

BRAUN

INTERTEC

Braun Intertec Corporation
11001 Hampshire Avenue S.
Minneapolis, MN 55438

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Web: braunintertec.com

Mr. Jim Eidem
Barr Engineering Company
4700 West 77th Street
Minneapolis, MN 55435-4803

July 29, 2011

Report #: 1103871
(Revised)

RE: UMore East - ABC Line 23/19-1092 48RI 510

Dear Jim Eidem:

Braun Intertec Corporation received samples for the project identified above on July 13, 2011. Analytical results are summarized in the following report.

All routine quality assurance procedures were followed, unless otherwise noted.

Analytical results are reported on an "as received" basis unless otherwise noted. Where possible, the samples will be retained by the laboratory for 14 days following issuance of the initial final report. The samples will be disposed of or returned at that time. Arrangements can be made for extended storage by contacting me at this time.

We appreciate your decision to use Braun Intertec Corporation for this project. We are committed to being your vendor of choice to meet your analytical chemistry needs.

If you have any questions please contact me at the above phone number.

Sincerely,



Steven J. Albrecht
Project Manager

Certification/Accreditation Numbers

Minnesota Department of Health: 027-053-117

Wisconsin DNR: 999462640

Iowa DNR: 395

Providing engineering and environmental solutions since 1957



11001 Hampshire Ave. S.
Minneapolis, MN 55438
952.995.2000 Phone
952.995.2020 Fax

Barr Engineering Company
4700 West 77th Street
Minneapolis, MN 55435-4803

Client Ref: UMore East - ABC Line 23/19-1092 48RI 510
Client Contact: Mr. Jim Eidem
PO Number:

Report #: 1103871
Project Mgr: Steven J. Albrecht
Account ID: B01058

Qualifiers and Abbreviations

Z1	>200F
COC	Chain of Custody
dry	Sample results reported on a dry weight basis
MRL	Method Reporting Limit
NA	Not Applicable
ND	Analyte NOT DETECTED
NR	Not Reported
%Rec	Percent Recovery
RPD	Relative Percent Difference
VOC	Volatile Organic Compound

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Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
239A-SS1 (0.5 ft)	1103871-02	Soil	06/27/11 14:30	07/13/11 17:26
220C-SS1 (1 ft)	1103871-05	Soil	06/27/11 15:30	07/13/11 17:26

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Conditions Upon Receipt

Cooler: Cooler 1

Temperature: 10.2 °C
Temperature Blank: Yes
Received on Ice: Yes
Preservation Confirmed: No

COC Included: Yes
COC Complete: Yes
COC & Labels Agree: Yes
Sufficient Sample Provided: Yes

Custody Seals Used: No
Custody Seals Intact: NA
Hand Delivered by Client: No
Headspace Present (VOC): No

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239A-SS1 (0.5 ft)

1103871-02 (Soil)

6/27/11 14:30

Classical Chemistry Parameters

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Flashpoint	>200F		°F	1	B1G0234	7/13/11	7/13/11	EPA 1010A	

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Account ID: B01058

220C-SS1 (1 ft)

1103871-05 (Soil)

6/27/11 15:30

Classical Chemistry Parameters

Analyte	Result	MRL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Flashpoint	>200F		°F	1	B1G0234	7/13/11	7/13/11	EPA 1010A	

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Account ID: B01058

Classical Chemistry Parameters - Quality Control

Batch B1G0234 - Method-specified preparation

Laboratory Control Sample (B1G0234-BS1)

Prepared & Analyzed: 07/13/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Flashpoint	77		°F	77.0	NA	100	80-120	NA	NA	

Laboratory Control Sample Duplicate (B1G0234-BSD1)

Prepared & Analyzed: 07/13/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Flashpoint	79		°F	77.0	NA	102	80-120	2.31	20	

Duplicate (B1G0234-DUP1)

Source: 1103871-05

Prepared & Analyzed: 07/13/11

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Flashpoint	>200F		°F	NA	>200F	NA	NA	NA	20	

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Project Mgr: Steven J. Albrecht
Account ID: B01058

1103871
Chain of Custody
BARR 4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

1102883

Project Number: 23/19-1092 48RI 510
Project Name: UMore East - ABC Line
Sample Origination State: MN (use two letter postal state abbreviation)
COC Number: **No 36466**

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm-dd-yyyy)	Collection Time (hh:mm)	Matrix		Type	Number of Containers/Preservative		Total Number of Containers	COC	Project Manager	Project QC Contact	Sampled by	Laboratory
						Water	Soil		Water	Soil						
1. 238B-SS4	0.5	0.5	ft	06/27/2011	13:50	X	X					4	JME	AAN	ADN/AMB	Legend
2. 239A-SS1	0.5	0.5	ft	06/27/2011	14:30	X	X					4				
3. 239A-SS2	0.5	0.5	ft	06/27/2011	14:40	X	X					4				
4. 239A-SS3	0.5	0.5	ft	06/27/2011	14:50	X	X					4				
5. 202C-SS1	1	1		06/27/2011	15:30	X	X					4				
6. 202C-SS2	1	1		06/27/2011	15:40	X	X					4				
7. 202C-SS3	1	1		06/27/2011	15:50	X	X					4				
8. 202C-SS4	1	1		06/27/2011	16:00	X	X					4				
9. 202C-SS5	1	1		06/27/2011	16:10	X	X					4				
10. M-1	0.5	0.5	✓	06/27/2011	—	X	X					4				analyze SVOCs, RCRA metals - flushpoint

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Ice bubble RR
min. temp 21.5

Relinquished By: Kurt Schimpke
On Ice? N
Date: 6/28/11 Time: 0530

Relinquished By: _____
On Ice? N
Date: _____ Time: _____

Received by: Oran Fathallah (Braun)
Date: 7-12-11 Time: 17:26

Received by: FEJ
Date: 6/28/11 Time: 10:55

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____

Air Bill Number: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator
To Braun by Dynamex; on ice, TB=10.2°C



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 13, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102773
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/22/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Dan Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
501F1-TT2_2-2	1102773-01	Soil	06/20/11 08:00	06/22/11 10:45
501F1-TT1_3-3	1102773-02	Soil	06/20/11 08:20	06/22/11 10:45
501F1-TT3_3-3	1102773-03	Soil	06/20/11 09:00	06/22/11 10:45
150107-TT1_2-2	1102773-04	Soil	06/20/11 09:20	06/22/11 10:45
303A-TT1_3-3	1102773-05	Soil	06/20/11 09:50	06/22/11 10:45
303SAAB-TT1_2-2	1102773-06	Soil	06/20/11 10:15	06/22/11 10:45
303SAAB-TT2_2.5-2.5	1102773-07	Soil	06/20/11 11:00	06/22/11 10:45
301ALP-TT1_1-1	1102773-08	Soil	06/20/11 11:15	06/22/11 10:45
722Y-TT3_0.5-0.5	1102773-09	Soil	06/20/11 11:45	06/22/11 10:45
722Y-TT3_2-2	1102773-10	Soil	06/20/11 12:00	06/22/11 10:45
303A2-TT1_1-1	1102773-11	Soil	06/20/11 13:00	06/22/11 10:45
303A2-TT1_3.5-3.5	1102773-12	Soil	06/20/11 13:10	06/22/11 10:45
303A2-TT2_1-1	1102773-13	Soil	06/20/11 13:30	06/22/11 10:45
303A2-TT2_3.5-3.5	1102773-14	Soil	06/20/11 13:45	06/22/11 10:45
CAP-TT11_1-1	1102773-15	Soil	06/20/11 14:45	06/22/11 10:45
CAP-TT10_1-1	1102773-16	Soil	06/20/11 15:20	06/22/11 10:45
CAP-TT1_1-1	1102773-17	Soil	06/20/11 15:40	06/22/11 10:45
CAP-TT8_1-1	1102773-18	Soil	06/20/11 16:00	06/22/11 10:45

Shipping Container Information

Default Cooler	Temperature (°C):	
Received on ice: Yes	Temperature blank was present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: No		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: ethylene and propylene glycol and the 8330 analysis.

Recoveries for the 8270 matrix spike compounds fluorene, fluoranthene, and phenanthrene were slightly below laboratory limits in the batch B1F2407 MSD. The MS/MSD source sample was 501F1-TT3_3-3. All target analytes were within limits in the LCS/MS.

Recovery for the 8270 surrogate phenol-d6 was above limits in the sample 501F1-TT3_3-3.

Sample 772Y-TT3_0.5-0.5 for 8330 explosives was extracted one day past the recommended holding time. The laboratory was instructed by the client to continue with the analysis.

Recoveries for tetryl in the 8330 MS/MSD samples were below the laboratory control limits. The LCS sample was within limits. The MS/MSD source sample was not associated with this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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GC 8015
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
301ALP-TT1_1-1 (1102773-08) Soil Sampled: 06/20/11 11:15 Received: 06/22/11 10:45										
Ethylene glycol	<0.60	10	0.60	mg/kg dry	1	B1F2920	06/29/11	06/29/11	EPA 8015B(M)	
Propylene glycol	<0.54	10	0.54	mg/kg dry	1	"	"	"	EPA 8015D(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1-TT2_2-2 (1102773-01) Soil Sampled: 06/20/11 08:00 Received: 06/22/11 10:45										
Arsenic	3.6	0.53	0.058	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	42	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	9.6	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.093	0.093	0.018	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
501F1-TT1_3-3 (1102773-02) Soil Sampled: 06/20/11 08:20 Received: 06/22/11 10:45										
Arsenic	6.3	0.60	0.066	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	130	1.2	0.072	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	16	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	8.5	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
501F1-TT3_3-3 (1102773-03) Soil Sampled: 06/20/11 09:00 Received: 06/22/11 10:45										
Arsenic	1.9	0.51	0.056	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	21	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	7.4	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	3.8	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.091	0.091	0.017	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
150107-TT1_2-2 (1102773-04) Soil Sampled: 06/20/11 09:20 Received: 06/22/11 10:45										
Arsenic	3.8	0.55	0.060	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	57	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	15	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	4.3	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
303A-TT1_3-3 (1102773-05) Soil Sampled: 06/20/11 09:50 Received: 06/22/11 10:45										
Arsenic	5.6	0.58	0.064	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-TT1_3-3 (1102773-05) Soil Sampled: 06/20/11 09:50 Received: 06/22/11 10:45										
Barium	73	1.2	0.070	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	14	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	5.7	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
303SAAB-TT1_2-2 (1102773-06) Soil Sampled: 06/20/11 10:15 Received: 06/22/11 10:45										
Arsenic	3.4	0.57	0.062	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	62	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	11	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	4.7	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.098	0.098	0.019	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
303SAAB-TT2_2.5-2.5 (1102773-07) Soil Sampled: 06/20/11 11:00 Received: 06/22/11 10:45										
Arsenic	5.6	0.57	0.062	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	85	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	17	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	6.0	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
301ALP-TT1_1-1 (1102773-08) Soil Sampled: 06/20/11 11:15 Received: 06/22/11 10:45										
Arsenic	1.5	0.52	0.057	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	19	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	6.3	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.5	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.089	0.089	0.017	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
722Y-TT3_0.5-0.5 (1102773-09) Soil Sampled: 06/20/11 11:45 Received: 06/22/11 10:45										
Arsenic	5.2	0.59	0.065	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	90	1.2	0.071	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102773
Date Reported: 07/13/11

TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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722Y-TT3_0.5-0.5 (1102773-09) Soil Sampled: 06/20/11 11:45 Received: 06/22/11 10:45

Cadmium	<0.29	0.29	0.039	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Chromium	12	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	5.9	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	

722Y-TT3_2-2 (1102773-10) Soil Sampled: 06/20/11 12:00 Received: 06/22/11 10:45

Arsenic	4.1	0.56	0.061	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	67	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	11	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	4.5	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.098	0.098	0.019	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

303A2-TT1_1-1 (1102773-11) Soil Sampled: 06/20/11 13:00 Received: 06/22/11 10:45

Arsenic	2.1	0.52	0.057	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	23	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.0	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.9	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

303A2-TT1_3.5-3.5 (1102773-12) Soil Sampled: 06/20/11 13:10 Received: 06/22/11 10:45

Arsenic	1.8	0.52	0.057	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	20	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.4	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	5.5	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

303A2-TT2_1-1 (1102773-13) Soil Sampled: 06/20/11 13:30 Received: 06/22/11 10:45

Arsenic	2.5	0.54	0.059	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	34	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A2-TT2_1-1 (1102773-13) Soil Sampled: 06/20/11 13:30 Received: 06/22/11 10:45										
Chromium	8.7	0.54	0.013	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Lead	3.5	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
303A2-TT2_3.5-3.5 (1102773-14) Soil Sampled: 06/20/11 13:45 Received: 06/22/11 10:45										
Arsenic	5.1	0.52	0.057	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	130	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	13	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	9.0	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
CAP-TT11_1-1 (1102773-15) Soil Sampled: 06/20/11 14:45 Received: 06/22/11 10:45										
Arsenic	9.9	0.64	0.071	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	170	1.3	0.077	mg/kg dry	1	"	"	"	"	
Cadmium	0.37	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	23	0.64	0.015	mg/kg dry	1	"	"	"	"	
Lead	18	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.32	0.32	0.021	mg/kg dry	1	"	"	"	"	
CAP-TT10_1-1 (1102773-16) Soil Sampled: 06/20/11 15:20 Received: 06/22/11 10:45										
Arsenic	9.0	0.67	0.073	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	160	1.3	0.080	mg/kg dry	1	"	"	"	"	
Cadmium	0.39	0.33	0.044	mg/kg dry	1	"	"	"	"	
Chromium	23	0.67	0.016	mg/kg dry	1	"	"	"	"	
Lead	17	1.3	0.19	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.3	1.3	0.13	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.33	0.33	0.021	mg/kg dry	1	"	"	"	"	
CAP-TT1_1-1 (1102773-17) Soil Sampled: 06/20/11 15:40 Received: 06/22/11 10:45										
Arsenic	6.8	0.63	0.070	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	120	1.3	0.076	mg/kg dry	1	"	"	"	"	
Cadmium	<0.32	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	15	0.63	0.015	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT1_1-1 (1102773-17) Soil Sampled: 06/20/11 15:40 Received: 06/22/11 10:45										
Lead	15	1.3	0.18	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.32	0.32	0.020	mg/kg dry	1	"	"	"	"	
CAP-TT8_1-1 (1102773-18) Soil Sampled: 06/20/11 16:00 Received: 06/22/11 10:45										
Arsenic	2.1	0.52	0.057	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Barium	29	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	7.2	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.0	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.091	0.091	0.017	mg/kg dry	1	B1F2321	06/23/11	06/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1F2304	06/23/11	06/24/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1-TT2_2-2 (1102773-01) Soil Sampled: 06/20/11 08:00 Received: 06/22/11 10:45										
Aroclor 1016	<0.21	0.21	0.0083	mg/kg dry	1	B1F2908	06/29/11	06/29/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1260	3.5	1.1	0.031	mg/kg dry	5	"	"	06/30/11	"	
Surrogate: Decachlorobiphenyl	105			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	105			60.9-138 %		"	"	"	"	
501F1-TT1_3-3 (1102773-02) Soil Sampled: 06/20/11 08:20 Received: 06/22/11 10:45										
Aroclor 1016	<0.24	0.24	0.0095	mg/kg dry	1	B1F2908	06/29/11	06/29/11	EPA 8082	
Aroclor 1221	<0.24	0.24	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.24	0.24	0.028	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.24	0.24	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.24	0.24	0.048	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.24	0.24	0.048	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.24	0.24	0.0071	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	89.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	90.5			60.9-138 %		"	"	"	"	
501F1-TT3_3-3 (1102773-03) Soil Sampled: 06/20/11 09:00 Received: 06/22/11 10:45										
Aroclor 1016	<0.20	0.20	0.0081	mg/kg dry	1	B1F2908	06/29/11	06/29/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	90.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	94.0			60.9-138 %		"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1-TT2_2-2 (1102773-01) Soil Sampled: 06/20/11 08:00 Received: 06/22/11 10:45										
% Solids	95			%	1	B1F2410	06/24/11	06/27/11	% calculation	
501F1-TT1_3-3 (1102773-02) Soil Sampled: 06/20/11 08:20 Received: 06/22/11 10:45										
% Solids	83			%	1	B1F2410	06/24/11	06/27/11	% calculation	
501F1-TT3_3-3 (1102773-03) Soil Sampled: 06/20/11 09:00 Received: 06/22/11 10:45										
% Solids	98			%	1	B1F2410	06/24/11	06/27/11	% calculation	
150107-TT1_2-2 (1102773-04) Soil Sampled: 06/20/11 09:20 Received: 06/22/11 10:45										
% Solids	91			%	1	B1F2410	06/24/11	06/27/11	% calculation	
303A-TT1_3-3 (1102773-05) Soil Sampled: 06/20/11 09:50 Received: 06/22/11 10:45										
% Solids	86			%	1	B1F2410	06/24/11	06/27/11	% calculation	
303SAAB-TT1_2-2 (1102773-06) Soil Sampled: 06/20/11 10:15 Received: 06/22/11 10:45										
% Solids	88			%	1	B1F2410	06/24/11	06/27/11	% calculation	
303SAAB-TT2_2.5-2.5 (1102773-07) Soil Sampled: 06/20/11 11:00 Received: 06/22/11 10:45										
% Solids	88			%	1	B1F2410	06/24/11	06/27/11	% calculation	
301ALP-TT1_1-1 (1102773-08) Soil Sampled: 06/20/11 11:15 Received: 06/22/11 10:45										
% Solids	97			%	1	B1F2410	06/24/11	06/27/11	% calculation	
722Y-TT3_0.5-0.5 (1102773-09) Soil Sampled: 06/20/11 11:45 Received: 06/22/11 10:45										
% Solids	85			%	1	B1F2410	06/24/11	06/27/11	% calculation	
722Y-TT3_2-2 (1102773-10) Soil Sampled: 06/20/11 12:00 Received: 06/22/11 10:45										
% Solids	90			%	1	B1F2410	06/24/11	06/27/11	% calculation	
303A2-TT1_1-1 (1102773-11) Soil Sampled: 06/20/11 13:00 Received: 06/22/11 10:45										
% Solids	96			%	1	B1F2410	06/24/11	06/27/11	% calculation	
303A2-TT1_3.5-3.5 (1102773-12) Soil Sampled: 06/20/11 13:10 Received: 06/22/11 10:45										
% Solids	96			%	1	B1F2410	06/24/11	06/27/11	% calculation	
303A2-TT2_1-1 (1102773-13) Soil Sampled: 06/20/11 13:30 Received: 06/22/11 10:45										
% Solids	93			%	1	B1F2410	06/24/11	06/27/11	% calculation	
303A2-TT2_3.5-3.5 (1102773-14) Soil Sampled: 06/20/11 13:45 Received: 06/22/11 10:45										
% Solids	97			%	1	B1F2410	06/24/11	06/27/11	% calculation	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT11_1-1 (1102773-15) Soil Sampled: 06/20/11 14:45 Received: 06/22/11 10:45										
% Solids	78			%	1	B1F2410	06/24/11	06/27/11	% calculation	
CAP-TT10_1-1 (1102773-16) Soil Sampled: 06/20/11 15:20 Received: 06/22/11 10:45										
% Solids	75			%	1	B1F2410	06/24/11	06/27/11	% calculation	
CAP-TT1_1-1 (1102773-17) Soil Sampled: 06/20/11 15:40 Received: 06/22/11 10:45										
% Solids	79			%	1	B1F2410	06/24/11	06/27/11	% calculation	
CAP-TT8_1-1 (1102773-18) Soil Sampled: 06/20/11 16:00 Received: 06/22/11 10:45										
% Solids	96			%	1	B1F2410	06/24/11	06/27/11	% calculation	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1-TT2_2-2 (1102773-01) Soil Sampled: 06/20/11 08:00 Received: 06/22/11 10:45										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.079	0.71	0.079	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.063	0.71	0.063	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.71	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.71	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.71	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	0.059	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.16	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.14	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.20	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.091	0.35	0.045	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1-TT2_2-2 (1102773-01) Soil Sampled: 06/20/11 08:00 Received: 06/22/11 10:45										
Benzo(k)fluoranthene	0.084	0.35	0.051	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	J
Benzoic acid	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	0.19	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.37	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.097	0.35	0.042	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.24	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	0.33	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	71.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	62.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	81.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1-TT1_3-3 (1102773-02) Soil Sampled: 06/20/11 08:20 Received: 06/22/11 10:45										
1,2,4-Trichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.81	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.090	0.81	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.047	0.40	0.047	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.072	0.81	0.072	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.81	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.81	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.81	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.81	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1-TT1_3-3 (1102773-02) Soil Sampled: 06/20/11 08:20 Received: 06/22/11 10:45										
Benzo(k)fluoranthene	<0.058	0.40	0.058	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.053	0.40	0.053	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.053	0.40	0.053	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.047	0.40	0.047	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.40	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	91.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	81.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	79.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	88.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	113			50.4-99.6 %		"	"	"	"	S-GC
Surrogate: Terphenyl-d14	83.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1-TT3_3-3 (1102773-03) Soil Sampled: 06/20/11 09:00 Received: 06/22/11 10:45										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.060	0.34	0.039	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	0.080	0.34	0.037	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.27	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.29	0.34	0.043	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.44	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.21	0.34	0.044	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1-TT3_3-3 (1102773-03) Soil Sampled: 06/20/11 09:00 Received: 06/22/11 10:45										
Benzo(k)fluoranthene	0.16	0.34	0.049	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	J
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	0.092	0.34	0.036	mg/kg dry	1	"	"	"	"	J
Chrysene	0.35	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.045	0.34	0.044	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.91	0.34	0.040	mg/kg dry	1	"	"	"	"	M2
Fluorene	0.061	0.34	0.036	mg/kg dry	1	"	"	"	"	M2, J
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.21	0.34	0.041	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.76	0.34	0.037	mg/kg dry	1	"	"	"	"	M2
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	0.70	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	89.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	90.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	75.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
150107-TT1_2-2 (1102773-04) Soil Sampled: 06/20/11 09:20 Received: 06/22/11 10:45										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
150107-TT1_2-2 (1102773-04) Soil Sampled: 06/20/11 09:20 Received: 06/22/11 10:45										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	74.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	86.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	75.7			51-99.6 %		"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102773
Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-TT1_3-3 (1102773-05) Soil Sampled: 06/20/11 09:50 Received: 06/22/11 10:45										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-TT1_3-3 (1102773-05) Soil Sampled: 06/20/11 09:50 Received: 06/22/11 10:45										
Benzo(k)fluoranthene	<0.056	0.38	0.056	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	78.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	64.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	82.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	78.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303SAAB-TT1_2-2 (1102773-06) Soil Sampled: 06/20/11 10:15 Received: 06/22/11 10:45										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102773
 Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303SAAB-TT1_2-2 (1102773-06) Soil Sampled: 06/20/11 10:15 Received: 06/22/11 10:45										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	83.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	71.1			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102773
 Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303SAAB-TT2_2.5-2.5 (1102773-07) Soil Sampled: 06/20/11 11:00 Received: 06/22/11 10:45										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303SAAB-TT2_2.5-2.5 (1102773-07) Soil Sampled: 06/20/11 11:00 Received: 06/22/11 10:45										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	88.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
722Y-TT3_0.5-0.5 (1102773-09) Soil Sampled: 06/20/11 11:45 Received: 06/22/11 10:45										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
722Y-TT3_0.5-0.5 (1102773-09) Soil Sampled: 06/20/11 11:45 Received: 06/22/11 10:45										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	86.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	72.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	92.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
722Y-TT3_2-2 (1102773-10) Soil Sampled: 06/20/11 12:00 Received: 06/22/11 10:45										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
722Y-TT3_2-2 (1102773-10) Soil Sampled: 06/20/11 12:00 Received: 06/22/11 10:45										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	82.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	68.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT11_1-1 (1102773-15) Soil Sampled: 06/20/11 14:45 Received: 06/22/11 10:45										
1,2,4-Trichlorobenzene	<0.040	0.42	0.040	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.040	0.42	0.040	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.10	0.86	0.10	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.047	0.86	0.047	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.86	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.096	0.86	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.86	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.041	0.86	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.045	0.42	0.045	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.088	0.86	0.088	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.050	0.42	0.050	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.077	0.86	0.077	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.044	0.86	0.044	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.86	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.041	0.86	0.041	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.1	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.035	0.42	0.035	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.044	0.86	0.044	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.085	0.86	0.085	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.035	0.86	0.035	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.86	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Aniline	<0.040	0.86	0.040	mg/kg dry	1	"	"	"	"	
Anthracene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.2	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.055	0.42	0.055	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.055	0.42	0.055	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT11_1-1 (1102773-15) Soil Sampled: 06/20/11 14:45 Received: 06/22/11 10:45										
Benzo(k)fluoranthene	<0.062	0.42	0.062	mg/kg dry	1	B1F2407	06/24/11	06/24/11	EPA 8270C	
Benzoic acid	<0.031	0.42	0.031	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.86	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.045	0.42	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.062	0.42	0.062	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Carbazole	<0.045	0.42	0.045	mg/kg dry	1	"	"	"	"	
Chrysene	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.055	0.42	0.055	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.040	0.42	0.040	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.062	0.42	0.062	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.050	0.42	0.050	mg/kg dry	1	"	"	"	"	
Fluorene	<0.045	0.42	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.031	0.42	0.031	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.051	0.42	0.051	mg/kg dry	1	"	"	"	"	
Isophorone	<0.040	0.42	0.040	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.42	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.033	0.42	0.033	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.10	0.86	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Phenol	<0.088	0.86	0.088	mg/kg dry	1	"	"	"	"	
Pyrene	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	71.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	89.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	71.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT10_1-1 (1102773-16) Soil Sampled: 06/20/11 15:20 Received: 06/22/11 10:45										
1,2,4-Trichlorobenzene	<0.041	0.44	0.041	mg/kg dry	1	B1F2407	06/24/11	06/27/11	EPA 8270C	
1,2-Dichlorobenzene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.041	0.44	0.041	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.039	0.44	0.039	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.10	0.89	0.10	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.049	0.89	0.049	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.11	0.89	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.10	0.89	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.89	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.043	0.89	0.043	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.092	0.89	0.092	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.052	0.44	0.052	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.080	0.89	0.080	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.18	0.44	0.048	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.045	0.89	0.045	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.051	0.44	0.051	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.89	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.043	0.89	0.043	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.20	2.1	0.20	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.036	0.44	0.036	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.045	0.89	0.045	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.088	0.89	0.088	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.036	0.89	0.036	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.89	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.051	0.44	0.051	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.055	0.44	0.055	mg/kg dry	1	"	"	"	"	
Aniline	<0.041	0.89	0.041	mg/kg dry	1	"	"	"	"	
Anthracene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
Benzidine	<0.25	3.3	0.25	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.060	0.44	0.055	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.056	0.44	0.056	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.057	0.44	0.057	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.057	0.44	0.057	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT10_1-1 (1102773-16) Soil Sampled: 06/20/11 15:20 Received: 06/22/11 10:45										
Benzo(k)fluoranthene	<0.064	0.44	0.064	mg/kg dry	1	B1F2407	06/24/11	06/27/11	EPA 8270C	
Benzoic acid	<0.032	0.44	0.032	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.13	0.89	0.13	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.064	0.44	0.064	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.056	0.44	0.056	mg/kg dry	1	"	"	"	"	
Carbazole	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
Chrysene	<0.059	0.44	0.059	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.057	0.44	0.057	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.079	0.44	0.044	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.041	0.44	0.041	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.040	0.44	0.040	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.059	0.44	0.059	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.064	0.44	0.064	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.084	0.44	0.052	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.040	0.44	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.032	0.44	0.032	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.040	0.44	0.040	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.053	0.44	0.053	mg/kg dry	1	"	"	"	"	
Isophorone	<0.041	0.44	0.041	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.029	0.44	0.029	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.035	0.44	0.035	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.10	0.89	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.27	0.44	0.048	mg/kg dry	1	"	"	"	"	J
Phenol	<0.092	0.89	0.092	mg/kg dry	1	"	"	"	"	
Pyrene	0.082	0.44	0.055	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	63.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT1_1-1 (1102773-17) Soil Sampled: 06/20/11 15:40 Received: 06/22/11 10:45										
1,2,4-Trichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	B1F2407	06/24/11	06/27/11	EPA 8270C	
1,2-Dichlorobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.047	0.85	0.047	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.095	0.85	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.076	0.85	0.076	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.50	0.42	0.046	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.85	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.42	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.084	0.85	0.084	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.85	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.85	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	0.12	0.42	0.046	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.24	3.2	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.11	0.42	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.059	0.42	0.053	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.065	0.42	0.054	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT1_1-1 (1102773-17) Soil Sampled: 06/20/11 15:40 Received: 06/22/11 10:45										
Benzo(k)fluoranthene	<0.061	0.42	0.061	mg/kg dry	1	B1F2407	06/24/11	06/27/11	EPA 8270C	
Benzoic acid	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	0.13	0.42	0.056	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.26	0.42	0.042	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.16	0.42	0.049	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.051	0.42	0.051	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	0.17	0.42	0.042	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.42	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.033	0.42	0.033	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.79	0.42	0.046	mg/kg dry	1	"	"	"	"	
Phenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
Pyrene	0.17	0.42	0.052	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	81.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	78.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	94.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	79.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT8_1-1 (1102773-18) Soil Sampled: 06/20/11 16:00 Received: 06/22/11 10:45										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1F2407	06/24/11	06/27/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT8_1-1 (1102773-18) Soil Sampled: 06/20/11 16:00 Received: 06/22/11 10:45										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1F2407	06/24/11	06/27/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	71.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	75.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	73.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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EXPLOSIVES 8330
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
722Y-TT3_0.5-0.5 (1102773-09) Soil										H4
Sampled: 06/20/11 11:45 Received: 06/22/11 10:45										
1,3,5-Trinitrobenzene	<0.051	1.2	0.051	mg/kg dry	1	B1G0515	07/05/11	07/13/11	EPA 8330 (M)	
1,3-Dinitrobenzene	<0.055	1.2	0.055	mg/kg dry	1	"	"	"	"	
2,4,6-Trinitrotoluene	<0.15	1.2	0.15	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.046	1.2	0.046	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.10	1.2	0.10	mg/kg dry	1	"	"	"	"	
2-Amino-4,6-Dinitrotoluene	<0.085	1.2	0.085	mg/kg dry	1	"	"	"	"	
2-Nitrotoluene	<0.19	1.2	0.19	mg/kg dry	1	"	"	"	"	
3-Nitrotoluene	<0.28	1.2	0.28	mg/kg dry	1	"	"	"	"	
4-Amino-2,6-Dinitrotoluene	<0.088	1.2	0.088	mg/kg dry	1	"	"	"	"	
4-Nitrotoluene	<0.27	1.2	0.27	mg/kg dry	1	"	"	"	"	
HMX	<0.13	1.2	0.13	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.078	1.2	0.078	mg/kg dry	1	"	"	"	"	
RDX	<0.092	1.2	0.092	mg/kg dry	1	"	"	"	"	
Tetryl	<0.20	1.2	0.20	mg/kg dry	1	"	"	"	"	
Surrogate: 1,2-Dinitrobenzene	98.0			70-130 %		"	"	"	"	

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GC 8015 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2920 - GC											
Blank (B1F2920-BLK1)											
						Prepared & Analyzed: 06/29/11					
Ethylene glycol	< 0.58	10	0.58	mg/kg wet							
Propylene glycol	< 0.52	10	0.52	mg/kg wet							
LCS (B1F2920-BS1)											
						Prepared & Analyzed: 06/29/11					
Ethylene glycol	32.1	10	0.58	mg/kg wet	33.3		96.3	80-130			
Propylene glycol	30.2	10	0.52	mg/kg wet	31.2		96.7	80-130			
Matrix Spike (B1F2920-MS1)											
						Source: 1102773-08 Prepared & Analyzed: 06/29/11					
Ethylene glycol	30.0	10	0.60	mg/kg dry	33.3	<10	90.1	70-130			
Propylene glycol	29.0	10	0.54	mg/kg dry	31.2	<10	93.0	70-130			
Matrix Spike Dup (B1F2920-MSD1)											
						Source: 1102773-08 Prepared & Analyzed: 06/29/11					
Ethylene glycol	29.0	10	0.60	mg/kg dry	33.4	<10	87.0	70-130	3.16	20	
Propylene glycol	28.1	10	0.54	mg/kg dry	31.3	<10	89.9	70-130	2.99	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2304 - EPA 3050B

Blank (B1F2304-BLK1)

Prepared: 06/23/11 Analyzed: 06/24/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1F2304-BS1)

Prepared: 06/23/11 Analyzed: 06/24/11

Arsenic	41.9	0.50	0.055	mg/kg wet	39.9		105	80-120			
Barium	41.6	1.0	0.060	mg/kg wet	39.9		104	80-120			
Cadmium	41.3	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	42.0	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	41.7	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	42.5	1.0	0.095	mg/kg wet	39.9		107	80-120			
Silver	3.87	0.25	0.016	mg/kg wet	3.99		96.9	80-120			

LCS Dup (B1F2304-BSD1)

Prepared: 06/23/11 Analyzed: 06/24/11

Arsenic	41.6	0.50	0.055	mg/kg wet	39.9		104	80-120	0.699	20	
Barium	42.5	1.0	0.060	mg/kg wet	39.9		107	80-120	2.25	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	1.36	20	
Chromium	41.5	0.50	0.012	mg/kg wet	39.9		104	80-120	1.03	20	
Lead	41.2	1.0	0.14	mg/kg wet	39.9		103	80-120	1.15	20	
Selenium	42.2	1.0	0.095	mg/kg wet	39.9		106	80-120	0.692	20	
Silver	3.85	0.25	0.016	mg/kg wet	3.99		96.5	80-120	0.395	20	

Matrix Spike (B1F2304-MS1)

Source: 1102773-18

Prepared: 06/23/11 Analyzed: 06/24/11

Arsenic	41.9	0.50	0.055	mg/kg dry	39.6	2.10	101	75-125			
Barium	68.7	0.99	0.059	mg/kg dry	39.6	28.5	102	75-125			
Cadmium	39.5	0.25	0.033	mg/kg dry	39.6	<0.25	99.5	75-125			
Chromium	47.5	0.50	0.012	mg/kg dry	39.6	7.18	102	75-125			
Lead	40.4	0.99	0.14	mg/kg dry	39.6	1.97	97.2	75-125			
Selenium	39.7	0.99	0.094	mg/kg dry	39.6	<0.99	100	75-125			
Silver	3.66	0.25	0.016	mg/kg dry	3.96	<0.25	92.6	75-125			

Matrix Spike Dup (B1F2304-MSD1)

Source: 1102773-18

Prepared: 06/23/11 Analyzed: 06/24/11

Arsenic	41.4	0.49	0.054	mg/kg dry	39.1	2.10	100	75-125	1.19	20	
Barium	64.7	0.98	0.059	mg/kg dry	39.1	28.5	92.5	75-125	5.94	20	
Cadmium	38.9	0.25	0.032	mg/kg dry	39.1	<0.25	99.0	75-125	1.56	20	
Chromium	46.9	0.49	0.012	mg/kg dry	39.1	7.18	102	75-125	1.13	20	
Lead	39.7	0.98	0.14	mg/kg dry	39.1	1.97	96.5	75-125	1.66	20	
Selenium	39.1	0.98	0.093	mg/kg dry	39.1	<0.98	99.7	75-125	1.58	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2304 - EPA 3050B											
Matrix Spike Dup (B1F2304-MSD1)			Source: 1102773-18			Prepared: 06/23/11 Analyzed: 06/24/11					
Silver	3.63	0.25	0.016	mg/kg dry	3.91	<0.25	92.8	75-125	0.776	20	
Batch B1F2321 - EPA 7471A											
Blank (B1F2321-BLK1)						Prepared: 06/23/11 Analyzed: 06/24/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1F2321-BS1)						Prepared: 06/23/11 Analyzed: 06/24/11					
Mercury	0.195	0.10	0.019	mg/kg wet	0.200		97.5	80-120			
LCS Dup (B1F2321-BSD1)						Prepared: 06/23/11 Analyzed: 06/24/11					
Mercury	0.204	0.10	0.019	mg/kg wet	0.200		102	80-120	4.51	20	
Matrix Spike (B1F2321-MS1)			Source: 1102773-01			Prepared: 06/23/11 Analyzed: 06/24/11					
Mercury	0.208	0.093	0.018	mg/kg dry	0.185	<0.093	83.7	75-125			
Matrix Spike Dup (B1F2321-MSD1)			Source: 1102773-01			Prepared: 06/23/11 Analyzed: 06/24/11					
Mercury	0.235	0.097	0.018	mg/kg dry	0.193	<0.097	93.9	75-125	11.9	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2908 - EPA 3545 ASE Extraction											
Blank (B1F2908-BLK1)						Prepared & Analyzed: 06/29/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0607			mg/kg wet	0.0667		91.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0607			mg/kg wet	0.0667		91.0	60.9-138			
LCS (B1F2908-BS1)						Prepared & Analyzed: 06/29/11					
Aroclor 1260	0.336	0.20	0.0059	mg/kg wet	0.333		101	70-130			
Surrogate: Decachlorobiphenyl	0.0600			mg/kg wet	0.0667		90.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0597			mg/kg wet	0.0667		89.5	60.9-138			
Matrix Spike (B1F2908-MS1)						Source: 1102773-03 Prepared & Analyzed: 06/29/11					
Aroclor 1260	0.389	0.20	0.0060	mg/kg dry	0.344	<0.20	104	70-130			
Surrogate: Decachlorobiphenyl	0.0626			mg/kg dry	0.0688		91.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0626			mg/kg dry	0.0688		91.0	60.9-138			
Matrix Spike Dup (B1F2908-MSD1)						Source: 1102773-03 Prepared & Analyzed: 06/29/11					
Aroclor 1260	0.361	0.20	0.0060	mg/kg dry	0.344	<0.20	95.7	70-130	7.61	17.2	
Surrogate: Decachlorobiphenyl	0.0598			mg/kg dry	0.0688		87.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0615			mg/kg dry	0.0688		89.5	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2410 - General Preparation											
Duplicate (B1F2410-DUP1)	Source: 1102773-10		Prepared: 06/24/11 Analyzed: 06/27/11								
% Solids	88.0			%		90.0			2.25	20	
Duplicate (B1F2410-DUP2)	Source: 1102816-02		Prepared: 06/24/11 Analyzed: 06/27/11								
% Solids	89.0			%		87.0			2.27	20	
Duplicate (B1F2410-DUP3)	Source: 1102816-04		Prepared: 06/24/11 Analyzed: 06/27/11								
% Solids	96.0			%		96.0			0.00	20	

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2407 - EPA 3545 ASE Extraction

Blank (B1F2407-BLK1)

Prepared: 06/24/11 Analyzed: 06/27/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2407 - EPA 3545 ASE Extraction

Blank (B1F2407-BLK1)

Prepared: 06/24/11 Analyzed: 06/27/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	3.57			mg/kg wet	6.67		53.5	53-107			
Surrogate: 2-Fluorobiphenyl	3.66			mg/kg wet	6.67		54.9	53.9-97.9			
Surrogate: 2-Fluorophenol	3.52			mg/kg wet	6.67		52.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.16			mg/kg wet	6.67		62.4	48.9-100			
Surrogate: Phenol-d6	4.57			mg/kg wet	6.67		68.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.00			mg/kg wet	6.67		60.0	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102773
 Date Reported: 07/13/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2407 - EPA 3545 ASE Extraction

LCS (B1F2407-BS1)

Prepared & Analyzed: 06/24/11

1,2,4-Trichlorobenzene	4.93	0.33	0.031	mg/kg wet	6.67		73.9	59.1-87.7			
1,4-Dichlorobenzene	4.09	0.33	0.029	mg/kg wet	6.67		61.4	50.3-72.9			
2,4-Dinitrotoluene	4.63	0.33	0.035	mg/kg wet	6.67		69.5	59.8-82.2			
2-Chlorophenol	4.42	0.67	0.060	mg/kg wet	6.67		66.3	59.7-77.3			
4-Chloro-3-methylphenol	4.65	0.67	0.066	mg/kg wet	6.67		69.7	63.6-80.4			
4-Nitrophenol	4.52	0.67	0.093	mg/kg wet	6.67		67.8	57.3-84.9			
Anthracene	5.18	0.33	0.036	mg/kg wet	6.67		77.8	67.3-88			
Benzo(a)anthracene	5.49	0.33	0.041	mg/kg wet	6.67		82.4	66.5-90.5			
Benzo(a)pyrene	5.37	0.33	0.042	mg/kg wet	6.67		80.6	66.1-89.7			
Chrysene	5.55	0.33	0.044	mg/kg wet	6.67		83.2	65.5-90.5			
Fluoranthene	5.10	0.33	0.039	mg/kg wet	6.67		76.4	66.7-89.9			
Fluorene	4.50	0.33	0.035	mg/kg wet	6.67		67.5	66.2-85.6			
N-Nitrosodi-n-propylamine	4.56	0.33	0.033	mg/kg wet	6.67		68.3	59.4-78			
Pentachlorophenol	5.20	0.67	0.078	mg/kg wet	6.67		78.0	46.7-83.2			
Phenanthrene	5.28	0.33	0.036	mg/kg wet	6.67		79.2	67.5-87.9			
Phenol	4.34	0.67	0.069	mg/kg wet	6.67		65.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.05			mg/kg wet	6.67		75.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.44			mg/kg wet	6.67		66.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.09			mg/kg wet	6.67		61.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.77			mg/kg wet	6.67		71.6	48.9-100			
Surrogate: Phenol-d6	5.30			mg/kg wet	6.67		79.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.10			mg/kg wet	6.67		76.6	51-99.6			

Matrix Spike (B1F2407-MS1)

Source: 1102773-03

Prepared & Analyzed: 06/24/11

1,2,4-Trichlorobenzene	5.04	0.34	0.032	mg/kg dry	6.88	<0.34	73.3	44.8-97.9			
1,4-Dichlorobenzene	4.21	0.34	0.030	mg/kg dry	6.88	<0.34	61.2	42.3-77.9			
2,4-Dinitrotoluene	4.64	0.34	0.036	mg/kg dry	6.88	<0.34	67.4	57.3-86.6			
2-Chlorophenol	4.62	0.68	0.061	mg/kg dry	6.88	<0.68	67.2	43.3-93.2			
4-Chloro-3-methylphenol	4.83	0.68	0.067	mg/kg dry	6.88	<0.68	70.2	47.1-97.6			
4-Nitrophenol	4.51	0.68	0.095	mg/kg dry	6.88	<0.68	65.5	49.3-96.2			
Anthracene	5.29	0.34	0.037	mg/kg dry	6.88	<0.34	75.8	67.5-93.1			
Benzo(a)anthracene	5.69	0.34	0.042	mg/kg dry	6.88	<0.34	78.8	59.8-95.7			
Benzo(a)pyrene	5.57	0.34	0.043	mg/kg dry	6.88	<0.34	76.8	59.8-92.7			
Chrysene	5.75	0.34	0.045	mg/kg dry	6.88	0.351	78.6	62.5-94.6			
Fluoranthene	5.25	0.34	0.040	mg/kg dry	6.88	0.910	63.1	61.3-92.8			
Fluorene	4.63	0.34	0.036	mg/kg dry	6.88	<0.34	66.4	62.8-92.6			
N-Nitrosodi-n-propylamine	4.77	0.34	0.034	mg/kg dry	6.88	<0.34	69.4	46.9-89.9			
Pentachlorophenol	5.28	0.68	0.080	mg/kg dry	6.88	<0.68	76.9	40.1-95.1			
Phenanthrene	5.46	0.34	0.037	mg/kg dry	6.88	0.760	68.3	65.2-92.2			
Phenol	4.63	0.68	0.070	mg/kg dry	6.88	<0.68	67.4	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2407 - EPA 3545 ASE Extraction

Matrix Spike (B1F2407-MS1)

Source: 1102773-03

Prepared & Analyzed: 06/24/11

Surrogate: 2,4,6-Tribromophenol	5.38			mg/kg dry	6.88		78.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.56			mg/kg dry	6.88		66.4	53.9-97.9			
Surrogate: 2-Fluorophenol	4.31			mg/kg dry	6.88		62.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.96			mg/kg dry	6.88		72.2	48.9-100			
Surrogate: Phenol-d6	5.70			mg/kg dry	6.88		82.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.17			mg/kg dry	6.88		75.2	51-99.6			

Matrix Spike Dup (B1F2407-MSD1)

Source: 1102773-03

Prepared & Analyzed: 06/24/11

1,2,4-Trichlorobenzene	4.76	0.34	0.032	mg/kg dry	6.80	<0.34	70.0	44.8-97.9	5.66	19.6	
1,4-Dichlorobenzene	4.07	0.34	0.030	mg/kg dry	6.80	<0.34	59.9	42.3-77.9	3.20	22.4	
2,4-Dinitrotoluene	4.25	0.34	0.036	mg/kg dry	6.80	<0.34	62.5	57.3-86.6	8.60	19.5	
2-Chlorophenol	4.37	0.68	0.061	mg/kg dry	6.80	<0.68	64.2	43.3-93.2	5.58	23.7	
4-Chloro-3-methylphenol	4.54	0.68	0.067	mg/kg dry	6.80	<0.68	66.8	47.1-97.6	6.05	18.3	
4-Nitrophenol	4.11	0.68	0.095	mg/kg dry	6.80	<0.68	60.4	49.3-96.2	9.24	20.4	
Anthracene	4.90	0.34	0.037	mg/kg dry	6.80	<0.34	70.8	67.5-93.1	7.78	19.9	
Benzo(a)anthracene	5.12	0.34	0.042	mg/kg dry	6.80	<0.34	71.2	59.8-95.7	10.6	23.4	
Benzo(a)pyrene	5.03	0.34	0.043	mg/kg dry	6.80	<0.34	69.7	59.8-92.7	10.2	21.1	
Chrysene	5.19	0.34	0.045	mg/kg dry	6.80	0.351	71.1	62.5-94.6	10.4	24.8	
Fluoranthene	4.80	0.34	0.040	mg/kg dry	6.80	0.910	57.2	61.3-92.8	8.99	21.8	M2
Fluorene	4.31	0.34	0.036	mg/kg dry	6.80	<0.34	62.4	62.8-92.6	7.14	17.6	M2
N-Nitrosodi-n-propylamine	4.52	0.34	0.034	mg/kg dry	6.80	<0.34	66.4	46.9-89.9	5.44	18.9	
Pentachlorophenol	4.66	0.68	0.080	mg/kg dry	6.80	<0.68	68.5	40.1-95.1	12.6	19.7	
Phenanthrene	5.05	0.34	0.037	mg/kg dry	6.80	0.760	63.1	65.2-92.2	7.76	20.5	M2
Phenol	4.33	0.68	0.070	mg/kg dry	6.80	<0.68	63.6	44.7-91	6.78	17.9	
Surrogate: 2,4,6-Tribromophenol	4.94			mg/kg dry	6.80		72.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.21			mg/kg dry	6.80		61.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.09			mg/kg dry	6.80		60.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.63			mg/kg dry	6.80		68.1	48.9-100			
Surrogate: Phenol-d6	5.21			mg/kg dry	6.80		76.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.65			mg/kg dry	6.80		68.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0515 - General Prep Dept 4

Blank (B1G0515-BLK1)

Prepared: 07/05/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	< 0.043	1.0	0.043	mg/kg wet							
1,3-Dinitrobenzene	< 0.047	1.0	0.047	mg/kg wet							
2,4,6-Trinitrotoluene	< 0.13	1.0	0.13	mg/kg wet							
2,4-Dinitrotoluene	< 0.039	1.0	0.039	mg/kg wet							
2,6-Dinitrotoluene	< 0.089	1.0	0.089	mg/kg wet							
2-Amino-4,6-Dinitrotoluene	< 0.072	1.0	0.072	mg/kg wet							
2-Nitrotoluene	< 0.16	1.0	0.16	mg/kg wet							
3-Nitrotoluene	< 0.24	1.0	0.24	mg/kg wet							
4-Amino-2,6-Dinitrotoluene	< 0.075	1.0	0.075	mg/kg wet							
4-Nitrotoluene	< 0.23	1.0	0.23	mg/kg wet							
HMX	< 0.11	1.0	0.11	mg/kg wet							
Nitrobenzene	< 0.066	1.0	0.066	mg/kg wet							
RDX	< 0.078	1.0	0.078	mg/kg wet							
Tetryl	< 0.17	1.0	0.17	mg/kg wet							
Surrogate: 1,2-Dinitrobenzene	4.94			mg/kg wet	4.97		99.5	70-130			

LCS (B1G0515-BS1)

Prepared: 07/05/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	4.19	0.90	0.039	mg/kg wet	4.51		93.0	70-130			
1,3-Dinitrobenzene	4.58	0.90	0.042	mg/kg wet	4.51		102	70-130			
2,4,6-Trinitrotoluene	4.08	0.90	0.12	mg/kg wet	4.51		90.5	70-130			
2,4-Dinitrotoluene	4.24	0.90	0.035	mg/kg wet	4.51		94.0	70-130			
2,6-Dinitrotoluene	4.33	0.90	0.080	mg/kg wet	4.51		96.0	70-130			
2-Amino-4,6-Dinitrotoluene	4.08	0.90	0.065	mg/kg wet	4.51		90.5	70-130			
2-Nitrotoluene	4.22	0.90	0.14	mg/kg wet	4.51		93.5	70-130			
3-Nitrotoluene	4.42	0.90	0.22	mg/kg wet	4.51		98.0	70-130			
4-Amino-2,6-Dinitrotoluene	4.06	0.90	0.068	mg/kg wet	4.51		90.0	70-130			
4-Nitrotoluene	4.22	0.90	0.21	mg/kg wet	4.51		93.5	70-130			
HMX	4.24	0.90	0.099	mg/kg wet	4.51		94.0	70-130			
Nitrobenzene	4.24	0.90	0.060	mg/kg wet	4.51		94.0	70-130			
RDX	4.26	0.90	0.070	mg/kg wet	4.51		94.5	70-130			
Tetryl	4.40	0.90	0.15	mg/kg wet	4.51		97.5	70-130			
Surrogate: 1,2-Dinitrobenzene	4.31			mg/kg wet	4.51		95.5	70-130			

Matrix Spike (B1G0515-MS1)

Source: 1102924-01

Prepared: 07/05/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	5.34	1.2	0.054	mg/kg dry	6.48	<1.2	82.5	70-130			
1,3-Dinitrobenzene	6.19	1.2	0.059	mg/kg dry	6.48	<1.2	95.5	70-130			
2,4,6-Trinitrotoluene	6.09	1.2	0.16	mg/kg dry	6.48	<1.2	94.0	70-130			
2,4-Dinitrotoluene	5.77	1.2	0.049	mg/kg dry	6.48	<1.2	89.0	70-130			
2,6-Dinitrotoluene	5.73	1.2	0.11	mg/kg dry	6.48	<1.2	88.5	70-130			
2-Amino-4,6-Dinitrotoluene	6.12	1.2	0.090	mg/kg dry	6.48	<1.2	94.5	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102773 Date Reported: 07/13/11
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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0515 - General Prep Dept 4

Matrix Spike (B1G0515-MS1)

Source: 1102924-01

Prepared: 07/05/11

Analyzed: 07/13/11

2-Nitrotoluene	5.64	1.2	0.20	mg/kg dry	6.48	<1.2	87.0	70-130			
3-Nitrotoluene	5.70	1.2	0.30	mg/kg dry	6.48	<1.2	88.0	70-130			
4-Amino-2,6-Dinitrotoluene	5.86	1.2	0.094	mg/kg dry	6.48	<1.2	90.5	70-130			
4-Nitrotoluene	5.90	1.2	0.29	mg/kg dry	6.48	<1.2	91.0	70-130			
HMX	5.96	1.2	0.14	mg/kg dry	6.48	<1.2	92.0	70-130			
Nitrobenzene	5.67	1.2	0.082	mg/kg dry	6.48	<1.2	87.5	70-130			
RDX	5.99	1.2	0.098	mg/kg dry	6.48	<1.2	92.5	70-130			
Tetryl	< 0.21	1.2	0.21	mg/kg dry	6.48	<1.2		70-130			M2
Surrogate: 1,2-Dinitrobenzene	5.86			mg/kg dry	6.48		90.5	70-130			

Matrix Spike Dup (B1G0515-MSD1)

Source: 1102924-01

Prepared: 07/05/11

Analyzed: 07/13/11

1,3,5-Trinitrobenzene	5.15	1.2	0.054	mg/kg dry	6.13	<1.2	84.0	70-130	3.75	20	
1,3-Dinitrobenzene	5.76	1.2	0.059	mg/kg dry	6.13	<1.2	94.0	70-130	7.13	20	
2,4,6-Trinitrotoluene	5.39	1.2	0.16	mg/kg dry	6.13	<1.2	88.0	70-130	12.1	20	
2,4-Dinitrotoluene	5.52	1.2	0.049	mg/kg dry	6.13	<1.2	90.0	70-130	4.43	20	
2,6-Dinitrotoluene	5.52	1.2	0.11	mg/kg dry	6.13	<1.2	90.0	70-130	3.87	20	
2-Amino-4,6-Dinitrotoluene	5.33	1.2	0.090	mg/kg dry	6.13	<1.2	87.0	70-130	13.8	20	
2-Nitrotoluene	5.33	1.2	0.20	mg/kg dry	6.13	<1.2	87.0	70-130	5.55	20	
3-Nitrotoluene	5.33	1.2	0.30	mg/kg dry	6.13	<1.2	87.0	70-130	6.69	20	
4-Amino-2,6-Dinitrotoluene	5.33	1.2	0.094	mg/kg dry	6.13	<1.2	87.0	70-130	9.49	20	
4-Nitrotoluene	5.42	1.2	0.29	mg/kg dry	6.13	<1.2	88.5	70-130	8.33	20	
HMX	5.49	1.2	0.14	mg/kg dry	6.13	<1.2	89.5	70-130	8.30	20	
Nitrobenzene	5.39	1.2	0.082	mg/kg dry	6.13	<1.2	88.0	70-130	4.98	20	
RDX	5.52	1.2	0.098	mg/kg dry	6.13	<1.2	90.0	70-130	8.28	20	
Tetryl	1.26	1.2	0.21	mg/kg dry	6.13	<1.2	20.6	70-130		20	M2
Surrogate: 1,2-Dinitrobenzene	5.55			mg/kg dry	6.13		90.5	70-130			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102773
Date Reported: 07/13/11

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
J Parameter was present between the MDL and RL and should be considered an estimated value
H4 Sample was extracted past required extraction holding time, but analyzed within analysis holding time.
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

GOW East
Chain of Custody
1102773

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR

Project Number: 2319-1092-00 48RI 510
Project Name: UMore East - Gow East
Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 33916

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Ice?	Date	Time	Number of Containers/Preservative																	
						Water	Soil				Water	Soil	VOCs (HCl) #1	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers			
1. 501FI-T12	2	2	ft	6/20/11	08:00	X	X	Y	6/22/11	8:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	Analyze Metals, PCBs, SVOCS (RLRA)	6/22/11	8:30
2. 501FI-T1	3	3	ft		08:20	X	X	Y			X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	Analyze Metals		
3. 501FI-T13	3	3	ft		09:00	X	X	Y			X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	Analyze Metals		
4. 501FI-T11	2	2	ft		09:20	X	X	Y			X	X	X	X	X	X	X	X	X	X	X	X	X	X	3	Analyze Metals + SVOCS (RLRA)		
5. 303A-T14	3	3	ft		09:50	X	X	Y			X	X	X	X	X	X	X	X	X	X	X	X	X	X	3			
6. 303A-T11	2	2	ft		10:15	X	X	Y			X	X	X	X	X	X	X	X	X	X	X	X	X	X	3			
7. 303A-T12	2.5	2.5	ft		11:00	X	X	Y			X	X	X	X	X	X	X	X	X	X	X	X	X	X	3	Analyze Metals + GYCOI (RLRA)		
8. 303A-T11	2.1	2.1	ft		11:15	X	X	Y			X	X	X	X	X	X	X	X	X	X	X	X	X	X	3	Analyze Metals + SVOCS (RLRA)		
9. 722Y-T13	0.5	0.5	ft		11:45	X	X	Y			X	X	X	X	X	X	X	X	X	X	X	X	X	X	3	Analyze Metals + SVOCS (RLRA)		
10. 722Y-T13	2	2	ft		12:00	X	X	Y			X	X	X	X	X	X	X	X	X	X	X	X	X	X	3			

Relinquished by: [Signature]
Relinquished Date: 6/22/11
Relinquished Time: 8:30

Received by: [Signature]
Received Date: 6/22/11
Received Time: 8:30

Samples Shipped Via: Air Freight Federal Express Sampler
 Other: _____

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRX, TPH, 8260 Full List
- #2 - Semi-volatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

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1102773

Chain of Custody

4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600



Project Number: 2319-1092.00 48RI 510

Project Name: U.Morc East-GOW East

Sample Origination State: (use two letter postal state abbreviation)

COC Number: NO 33918

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	OC Comp.	Number of Containers/Preservative														
						Water	Soil			Water					Soil					Total Number Of Containers				
										VOCs (HCl) #1	SVOCS (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRX, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)		
1. 303A2-T1	1	1	ft	06/20/2011	13:00	X	X	X	X												X	X	X	2
2. 303A2-T1	3.5	3.5	1	06/20/2011	13:10	X	X	X	X												X	X	X	2
3. 303A2-T2	1	1			13:30	X	X	X	X												X	X	X	2
4. 303A2-T2	3.5	3.5			13:45	X	X	X	X												X	X	X	2
5. CAP-T11	1	1			14:45	X	X	X	X												X	X	X	3
6. CAP-T10	1	1			15:30	X	X	X	X												X	X	X	3
7. CAP-T11	1	1			15:40	X	X	X	X												X	X	X	3
8. CAP-T18	1	1			16:00	X	X	X	X												X	X	X	3
9.																								
10.																								

Project Manager: JME
 Project OC Contact: AAN
 Sampled by: KCB/ADN
 Laboratory: Legend
 Analyze metals (RECE)
 Analyze metals, SVOCs (RECE)

Relinquished By: [Signature]
 Relinquished Date: 6/22/11
 Relinquished Time: 8:30
 Received by: [Signature]
 Received Date: 6/22/11
 Received Time: 8:30
 Air Bill Number: _____
 Samples shipped VIA: Air Freight Federal Express Sampler

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRX, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

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88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 06, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102775
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/22/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
46T-TT1_1-1	1102775-01	Soil	06/21/11 07:30	06/22/11 16:02
46T-TT3_1-1	1102775-02	Soil	06/21/11 07:45	06/22/11 16:02
46T-TT2_1-1	1102775-03	Soil	06/21/11 08:00	06/22/11 16:02
46T-TT4_1-1	1102775-04	Soil	06/21/11 08:20	06/22/11 16:02
46T-TT5_0.5-0.5	1102775-05	Soil	06/21/11 08:40	06/22/11 16:02
46T-TT6_0.5-0.5	1102775-06	Soil	06/21/11 09:00	06/22/11 16:02
46T-TT7_0.5-0.5	1102775-07	Soil	06/21/11 09:45	06/22/11 16:02
46T-TT8_0.5-0.5	1102775-08	Soil	06/21/11 10:10	06/22/11 16:02
46T-TT9_0.5-0.5	1102775-09	Soil	06/21/11 10:15	06/22/11 16:02
EEA5-TT2_1-1	1102775-10	Soil	06/21/11 10:40	06/22/11 16:02
EEA5-TT3_0.5-0.5	1102775-11	Soil	06/21/11 11:11	06/22/11 16:02
32T-TT2_0.5-0.5	1102775-12	Soil	06/21/11 12:05	06/22/11 16:02
32T-TT1_4-4	1102775-13	Soil	06/21/11 12:30	06/22/11 16:02
MSA8-TT1_3-3	1102775-14	Soil	06/21/11 12:45	06/22/11 16:02
29T-TT1_0.5-0.5	1102775-15	Soil	06/21/11 13:00	06/22/11 16:02
29T-TT2_0.5-0.5	1102775-16	Soil	06/21/11 13:15	06/22/11 16:02
Trip Blank	1102775-17	Soil	06/21/11 00:00	06/22/11 16:02

Shipping Container Information

Default Cooler	Temperature (°C):	
Received on ice: Yes	Temperature blank was not present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: No		

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

Recovery for the 8270 matrix spike compound fluorene was below laboratory limits in the batch B1F2802 MS. The MS/MSD source sample was EEA5-TT3_0.5-0.5. All target analytes were within limits in the LCS/MSD.

Recoveries for lead in the MS/MSD samples and the corresponding %RPD were above the laboratory control limits due to the analyte concentration being disproportionate to the spike level. The LCS/LCSD samples and the LCS/LCSD %RPD were within limits. The MS/MSD source sample was 46T-TT6_0.5-0.5.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
46T-TT1_1-1 (1102775-01) Soil Sampled: 06/21/11 07:30 Received: 06/22/11 16:02										
Arsenic	5.6	0.58	0.064	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	90	1.2	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	14	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	33	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
46T-TT3_1-1 (1102775-02) Soil Sampled: 06/21/11 07:45 Received: 06/22/11 16:02										
Arsenic	5.7	0.61	0.067	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	120	1.2	0.073	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	16	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	780	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	0.15	0.12	0.023	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	
46T-TT2_1-1 (1102775-03) Soil Sampled: 06/21/11 08:00 Received: 06/22/11 16:02										
Arsenic	3.2	0.57	0.062	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	40	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	9.4	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
46T-TT4_1-1 (1102775-04) Soil Sampled: 06/21/11 08:20 Received: 06/22/11 16:02										
Arsenic	6.4	0.60	0.066	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	130	1.2	0.072	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	16	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	22	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
46T-TT5_0.5-0.5 (1102775-05) Soil Sampled: 06/21/11 08:40 Received: 06/22/11 16:02										

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
46T-TT5_0.5-0.5 (1102775-05) Soil Sampled: 06/21/11 08:40 Received: 06/22/11 16:02										
Arsenic	6.2	0.61	0.067	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	120	1.2	0.073	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	19	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	210	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	
46T-TT6_0.5-0.5 (1102775-06) Soil Sampled: 06/21/11 09:00 Received: 06/22/11 16:02										
Arsenic	6.4	0.63	0.070	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	150	1.3	0.076	mg/kg dry	1	"	"	"	"	
Cadmium	<0.32	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	18	0.63	0.015	mg/kg dry	1	"	"	"	"	
Lead	3500	1.3	0.18	mg/kg dry	1	"	"	"	"	M3, QR-04
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.32	0.32	0.020	mg/kg dry	1	"	"	"	"	
46T-TT7_0.5-0.5 (1102775-07) Soil Sampled: 06/21/11 09:45 Received: 06/22/11 16:02										
Arsenic	6.3	0.57	0.062	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	130	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	16	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	68	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
46T-TT8_0.5-0.5 (1102775-08) Soil Sampled: 06/21/11 10:10 Received: 06/22/11 16:02										
Arsenic	5.9	0.62	0.068	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	140	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	17	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	290	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
46T-TT9_0.5-0.5 (1102775-09) Soil Sampled: 06/21/11 10:15 Received: 06/22/11 16:02										
Arsenic	6.3	0.63	0.070	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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46T-TT9_0.5-0.5 (1102775-09) Soil **Sampled: 06/21/11 10:15** **Received: 06/22/11 16:02**

Barium	140	1.3	0.076	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Cadmium	<0.32	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	17	0.63	0.015	mg/kg dry	1	"	"	"	"	
Lead	13	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.13	0.13	0.024	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.32	0.32	0.020	mg/kg dry	1	"	"	"	"	

EEA5-TT2_1-1 (1102775-10) Soil **Sampled: 06/21/11 10:40** **Received: 06/22/11 16:02**

Arsenic	6.2	0.59	0.065	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	170	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	16	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	12	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	

EEA5-TT3_0.5-0.5 (1102775-11) Soil **Sampled: 06/21/11 11:11** **Received: 06/22/11 16:02**

Arsenic	3.2	0.52	0.057	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	38	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.8	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	12	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.096	0.096	0.018	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

32T-TT2_0.5-0.5 (1102775-12) Soil **Sampled: 06/21/11 12:05** **Received: 06/22/11 16:02**

Arsenic	43	0.56	0.062	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	40	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	0.69	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	13	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	22	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.099	0.099	0.019	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

32T-TT1_4-4 (1102775-13) Soil **Sampled: 06/21/11 12:30** **Received: 06/22/11 16:02**

Arsenic	3.3	0.54	0.060	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	54	1.1	0.065	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102775
 Date Reported: 07/06/11

TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32T-TT1_4-4 (1102775-13) Soil Sampled: 06/21/11 12:30 Received: 06/22/11 16:02										
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Chromium	12	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	8.0	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
MSA8-TT1_3-3 (1102775-14) Soil Sampled: 06/21/11 12:45 Received: 06/22/11 16:02										
Arsenic	6.0	0.59	0.065	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	150	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	16	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	8.7	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
29T-TT1_0.5-0.5 (1102775-15) Soil Sampled: 06/21/11 13:00 Received: 06/22/11 16:02										
Arsenic	6.3	0.54	0.059	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	89	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	16	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
29T-TT2_0.5-0.5 (1102775-16) Soil Sampled: 06/21/11 13:15 Received: 06/22/11 16:02										
Arsenic	6.6	0.61	0.067	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Barium	140	1.2	0.073	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	16	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	14	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1F2811	06/28/11	06/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F2406	06/24/11	06/27/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
46T-TT1_1-1 (1102775-01) Soil Sampled: 06/21/11 07:30 Received: 06/22/11 16:02										
% Solids	82			%	1	B1F2709	06/27/11	06/28/11	% calculation	
46T-TT3_1-1 (1102775-02) Soil Sampled: 06/21/11 07:45 Received: 06/22/11 16:02										
% Solids	82			%	1	B1F2709	06/27/11	06/28/11	% calculation	
46T-TT2_1-1 (1102775-03) Soil Sampled: 06/21/11 08:00 Received: 06/22/11 16:02										
% Solids	88			%	1	B1F2709	06/27/11	06/28/11	% calculation	
46T-TT4_1-1 (1102775-04) Soil Sampled: 06/21/11 08:20 Received: 06/22/11 16:02										
% Solids	83			%	1	B1F2709	06/27/11	06/28/11	% calculation	
46T-TT5_0.5-0.5 (1102775-05) Soil Sampled: 06/21/11 08:40 Received: 06/22/11 16:02										
% Solids	82			%	1	B1F2709	06/27/11	06/28/11	% calculation	
46T-TT6_0.5-0.5 (1102775-06) Soil Sampled: 06/21/11 09:00 Received: 06/22/11 16:02										
% Solids	79			%	1	B1F2709	06/27/11	06/28/11	% calculation	
46T-TT7_0.5-0.5 (1102775-07) Soil Sampled: 06/21/11 09:45 Received: 06/22/11 16:02										
% Solids	82			%	1	B1F2709	06/27/11	06/28/11	% calculation	
46T-TT8_0.5-0.5 (1102775-08) Soil Sampled: 06/21/11 10:10 Received: 06/22/11 16:02										
% Solids	81			%	1	B1F2709	06/27/11	06/28/11	% calculation	
46T-TT9_0.5-0.5 (1102775-09) Soil Sampled: 06/21/11 10:15 Received: 06/22/11 16:02										
% Solids	79			%	1	B1F2709	06/27/11	06/28/11	% calculation	
EEA5-TT2_1-1 (1102775-10) Soil Sampled: 06/21/11 10:40 Received: 06/22/11 16:02										
% Solids	81			%	1	B1F2709	06/27/11	06/28/11	% calculation	
EEA5-TT3_0.5-0.5 (1102775-11) Soil Sampled: 06/21/11 11:11 Received: 06/22/11 16:02										
% Solids	90			%	1	B1F2709	06/27/11	06/28/11	% calculation	
32T-TT2_0.5-0.5 (1102775-12) Soil Sampled: 06/21/11 12:05 Received: 06/22/11 16:02										
% Solids	89			%	1	B1F2709	06/27/11	06/28/11	% calculation	
32T-TT1_4-4 (1102775-13) Soil Sampled: 06/21/11 12:30 Received: 06/22/11 16:02										
% Solids	87			%	1	B1F2709	06/27/11	06/28/11	% calculation	
MSA8-TT1_3-3 (1102775-14) Soil Sampled: 06/21/11 12:45 Received: 06/22/11 16:02										
% Solids	85			%	1	B1F2709	06/27/11	06/28/11	% calculation	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
29T-TT1_0.5-0.5 (1102775-15) Soil Sampled: 06/21/11 13:00 Received: 06/22/11 16:02										
% Solids	87			%	1	B1F2709	06/27/11	06/28/11	% calculation	
29T-TT2_0.5-0.5 (1102775-16) Soil Sampled: 06/21/11 13:15 Received: 06/22/11 16:02										
% Solids	82			%	1	B1F2709	06/27/11	06/28/11	% calculation	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EEA5-TT2_1-1 (1102775-10) Soil Sampled: 06/21/11 10:40 Received: 06/22/11 16:02										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EEA5-TT2_1-1 (1102775-10) Soil Sampled: 06/21/11 10:40 Received: 06/22/11 16:02										
Benzo(k)fluoranthene	<0.059	0.41	0.059	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	57.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	58.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	54.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	75.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	61.0			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EEA5-TT3_0.5-0.5 (1102775-11) Soil Sampled: 06/21/11 11:11 Received: 06/22/11 16:02										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.063	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EEA5-TT3_0.5-0.5 (1102775-11) Soil Sampled: 06/21/11 11:11 Received: 06/22/11 16:02										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.085	0.37	0.043	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	M2
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.081	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	0.085	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	72.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	81.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	93.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	79.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32T-TT2_0.5-0.5 (1102775-12) Soil Sampled: 06/21/11 12:05 Received: 06/22/11 16:02										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32T-TT2_0.5-0.5 (1102775-12) Soil Sampled: 06/21/11 12:05 Received: 06/22/11 16:02										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.057	0.37	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.061	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.060	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	68.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	81.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	93.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	75.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32T-TT1_4-4 (1102775-13) Soil Sampled: 06/21/11 12:30 Received: 06/22/11 16:02										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32T-TT1_4-4 (1102775-13) Soil Sampled: 06/21/11 12:30 Received: 06/22/11 16:02										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.046	0.38	0.046	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	63.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	82.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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MSA8-TT1_3-3 (1102775-14) Soil Sampled: 06/21/11 12:45 Received: 06/22/11 16:02

1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MSA8-TT1_3-3 (1102775-14) Soil Sampled: 06/21/11 12:45 Received: 06/22/11 16:02										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	68.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	83.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	74.0			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102775
 Date Reported: 07/06/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
29T-TT1_0.5-0.5 (1102775-15) Soil Sampled: 06/21/11 13:00 Received: 06/22/11 16:02										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
29T-TT1_0.5-0.5 (1102775-15) Soil Sampled: 06/21/11 13:00 Received: 06/22/11 16:02										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.067	0.38	0.045	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.046	0.38	0.046	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.042	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	0.064	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	74.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	87.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	81.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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29T-TT2_0.5-0.5 (1102775-16) Soil Sampled: 06/21/11 13:15 Received: 06/22/11 16:02

1,2,4-Trichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.82	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.091	0.82	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.073	0.82	0.073	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	2.0	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.82	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.82	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.82	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
29T-TT2_0.5-0.5 (1102775-16) Soil Sampled: 06/21/11 13:15 Received: 06/22/11 16:02										
Benzo(k)fluoranthene	<0.059	0.40	0.059	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
Pyrene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	64.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	88.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MSA8-TT1_3-3 (1102775-14) Soil Sampled: 06/21/11 12:45 Received: 06/22/11 16:02										
1,1,1,2-Tetrachloroethane	<0.066	0.28	0.066	mg/kg dry	1	B1F2302	06/23/11	06/23/11	EPA 8260B	
1,1,1-Trichloroethane	<0.036	0.28	0.036	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.076	0.28	0.076	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.068	0.56	0.068	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.027	0.28	0.027	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.030	0.56	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.077	0.56	0.077	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.035	0.28	0.035	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.067	0.56	0.067	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.098	2.2	0.098	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
Acetone	<0.21	2.2	0.21	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.065	0.56	0.065	mg/kg dry	1	"	"	"	"	
Benzene	<0.017	0.28	0.017	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.041	0.28	0.041	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromoform	<0.030	0.56	0.030	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.56	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.041	0.28	0.041	mg/kg dry	1	"	"	"	"	
Chloroform	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.068	0.28	0.068	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MSA8-TT1_3-3 (1102775-14) Soil Sampled: 06/21/11 12:45 Received: 06/22/11 16:02										
cis-1,3-Dichloropropene	<0.025	0.28	0.025	mg/kg dry	1	B1F2302	06/23/11	06/23/11	EPA 8260B	
Dibromochloromethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.032	0.28	0.032	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.11	0.56	0.11	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.042	0.28	0.042	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.042	0.56	0.042	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.012	0.28	0.012	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.077	1.1	0.077	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.053	0.56	0.053	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.092	0.56	0.092	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.065	1.1	0.065	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.061	0.56	0.061	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
Styrene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.031	0.28	0.031	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.13	2.2	0.13	mg/kg dry	1	"	"	"	"	
Toluene	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.034	0.28	0.034	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.046	0.28	0.046	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.039	0.28	0.039	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.073	0.28	0.073	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	103			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	102			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	102			78.1-125 %		"	"	"	"	

Trip Blank (1102775-17) Soil Sampled: 06/21/11 00:00 Received: 06/22/11 16:02										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1F2302	06/23/11	06/23/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1102775-17) Soil Sampled: 06/21/11 00:00 Received: 06/22/11 16:02										
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	B1F2302	06/23/11	06/23/11	EPA 8260B	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1102775-17) Soil Sampled: 06/21/11 00:00 Received: 06/22/11 16:02										
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	B1F2302	06/23/11	06/23/11	EPA 8260B	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	<0.058	1.0	0.058	mg/kg wet	1	"	"	"	"	
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	105			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	103			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	103			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2406 - EPA 3050B

Blank (B1F2406-BLK1)

Prepared: 06/24/11 Analyzed: 06/27/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1F2406-BS1)

Prepared: 06/24/11 Analyzed: 06/27/11

Arsenic	39.5	0.50	0.055	mg/kg wet	39.9		99.0	80-120			
Barium	40.7	1.0	0.060	mg/kg wet	39.9		102	80-120			
Cadmium	40.3	0.25	0.033	mg/kg wet	39.9		101	80-120			
Chromium	41.0	0.50	0.012	mg/kg wet	39.9		103	80-120			
Lead	40.5	1.0	0.14	mg/kg wet	39.9		102	80-120			
Selenium	39.2	1.0	0.095	mg/kg wet	39.9		98.4	80-120			
Silver	4.14	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1F2406-BSD1)

Prepared: 06/24/11 Analyzed: 06/27/11

Arsenic	39.3	0.50	0.055	mg/kg wet	39.9		98.5	80-120	0.446	20	
Barium	40.4	1.0	0.060	mg/kg wet	39.9		101	80-120	0.584	20	
Cadmium	39.7	0.25	0.033	mg/kg wet	39.9		99.4	80-120	1.60	20	
Chromium	40.4	0.50	0.012	mg/kg wet	39.9		101	80-120	1.45	20	
Lead	40.0	1.0	0.14	mg/kg wet	39.9		100	80-120	1.26	20	
Selenium	39.0	1.0	0.095	mg/kg wet	39.9		97.8	80-120	0.565	20	
Silver	4.10	0.25	0.016	mg/kg wet	3.99		103	80-120	0.825	20	

Matrix Spike (B1F2406-MS1)

Source: 1102775-06

Prepared: 06/24/11 Analyzed: 06/27/11

Arsenic	48.5	0.59	0.065	mg/kg dry	47.4	6.37	88.9	75-125			
Barium	204	1.2	0.071	mg/kg dry	47.4	154	105	75-125			
Cadmium	43.7	0.30	0.039	mg/kg dry	47.4	<0.30	91.8	75-125			
Chromium	60.9	0.59	0.014	mg/kg dry	47.4	17.9	90.8	75-125			
Lead	4960	1.2	0.17	mg/kg dry	47.4	3490	NR	75-125			M3
Selenium	40.5	1.2	0.11	mg/kg dry	47.4	<1.2	85.4	75-125			
Silver	4.89	0.30	0.019	mg/kg dry	4.74	<0.30	99.9	75-125			

Matrix Spike Dup (B1F2406-MSD1)

Source: 1102775-06

Prepared: 06/24/11 Analyzed: 06/27/11

Arsenic	50.8	0.63	0.070	mg/kg dry	48.7	6.37	91.1	75-125	4.52	20	
Barium	201	1.3	0.076	mg/kg dry	48.7	154	96.4	75-125	1.41	20	
Cadmium	45.9	0.32	0.042	mg/kg dry	48.7	<0.32	93.8	75-125	4.85	20	
Chromium	63.0	0.63	0.015	mg/kg dry	48.7	17.9	92.7	75-125	3.44	20	
Lead	6240	1.3	0.18	mg/kg dry	48.7	3490	NR	75-125	22.8	20	M3, QR-04
Selenium	42.9	1.3	0.12	mg/kg dry	48.7	<1.3	88.0	75-125	5.68	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2406 - EPA 3050B											
Matrix Spike Dup (B1F2406-MSD1)			Source: 1102775-06			Prepared: 06/24/11 Analyzed: 06/27/11					
Silver	5.13	0.32	0.020	mg/kg dry	4.87	<0.32	102	75-125	4.83	20	
Batch B1F2811 - EPA 7471A											
Blank (B1F2811-BLK1)						Prepared & Analyzed: 06/28/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1F2811-BS1)						Prepared & Analyzed: 06/28/11					
Mercury	0.202	0.10	0.019	mg/kg wet	0.200		101	80-120			
LCS Dup (B1F2811-BSD1)						Prepared & Analyzed: 06/28/11					
Mercury	0.195	0.10	0.019	mg/kg wet	0.200		97.5	80-120	3.53	20	
Matrix Spike (B1F2811-MS1)			Source: 1102775-01			Prepared & Analyzed: 06/28/11					
Mercury	0.255	0.12	0.023	mg/kg dry	0.239	<0.12	98.2	75-125			
Matrix Spike Dup (B1F2811-MSD1)			Source: 1102775-01			Prepared & Analyzed: 06/28/11					
Mercury	0.267	0.12	0.023	mg/kg dry	0.246	<0.12	100	75-125	4.53	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2709 - General Preparation											
Duplicate (B1F2709-DUP1)							Source: 1102775-10				Prepared: 06/27/11 Analyzed: 06/28/11
% Solids	81.0			%		81.0			0.00	20	
Duplicate (B1F2709-DUP2)							Source: 1102839-01				Prepared: 06/27/11 Analyzed: 06/28/11
% Solids	71.0			%		71.0			0.00	20	
Duplicate (B1F2709-DUP3)							Source: 1102839-02				Prepared: 06/27/11 Analyzed: 06/28/11
% Solids	70.0			%		70.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2802 - EPA 3545 ASE Extraction

Blank (B1F2802-BLK1)

Prepared: 06/28/11 Analyzed: 06/29/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2802 - EPA 3545 ASE Extraction

Blank (B1F2802-BLK1)

Prepared: 06/28/11 Analyzed: 06/29/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	3.76			mg/kg wet	6.67		56.3	53-107			
Surrogate: 2-Fluorobiphenyl	3.66			mg/kg wet	6.67		55.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.70			mg/kg wet	6.67		55.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.32			mg/kg wet	6.67		64.8	48.9-100			
Surrogate: Phenol-d6	4.93			mg/kg wet	6.67		74.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.46			mg/kg wet	6.67		66.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2802 - EPA 3545 ASE Extraction

LCS (B1F2802-BS1)

Prepared: 06/28/11 Analyzed: 06/29/11

1,2,4-Trichlorobenzene	4.02	0.33	0.031	mg/kg wet	6.67		60.2	59.1-87.7			
1,4-Dichlorobenzene	4.04	0.33	0.029	mg/kg wet	6.67		60.7	50.3-72.9			
2,4-Dinitrotoluene	4.37	0.33	0.035	mg/kg wet	6.67		65.5	59.8-82.2			
2-Chlorophenol	4.58	0.67	0.060	mg/kg wet	6.67		68.7	59.7-77.3			
4-Chloro-3-methylphenol	4.34	0.67	0.066	mg/kg wet	6.67		65.1	63.6-80.4			
4-Nitrophenol	4.67	0.67	0.093	mg/kg wet	6.67		70.1	57.3-84.9			
Anthracene	5.30	0.33	0.036	mg/kg wet	6.67		79.5	67.3-88			
Benzo(a)anthracene	5.09	0.33	0.041	mg/kg wet	6.67		76.3	66.5-90.5			
Benzo(a)pyrene	5.30	0.33	0.042	mg/kg wet	6.67		79.6	66.1-89.7			
Chrysene	5.36	0.33	0.044	mg/kg wet	6.67		80.4	65.5-90.5			
Fluoranthene	4.86	0.33	0.039	mg/kg wet	6.67		72.9	66.7-89.9			
Fluorene	4.47	0.33	0.035	mg/kg wet	6.67		67.1	66.2-85.6			
N-Nitrosodi-n-propylamine	4.53	0.33	0.033	mg/kg wet	6.67		67.9	59.4-78			
Pentachlorophenol	4.04	0.67	0.078	mg/kg wet	6.67		60.6	46.7-83.2			
Phenanthrene	5.52	0.33	0.036	mg/kg wet	6.67		82.8	67.5-87.9			
Phenol	4.81	0.67	0.069	mg/kg wet	6.67		72.2	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	3.66			mg/kg wet	6.67		54.9	53-107			
Surrogate: 2-Fluorobiphenyl	3.93			mg/kg wet	6.67		59.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.72			mg/kg wet	6.67		55.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.54			mg/kg wet	6.67		68.1	48.9-100			
Surrogate: Phenol-d6	5.04			mg/kg wet	6.67		75.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.47			mg/kg wet	6.67		67.0	51-99.6			

Matrix Spike (B1F2802-MS1)

Source: 1102775-11

Prepared & Analyzed: 06/28/11

1,2,4-Trichlorobenzene	4.53	0.37	0.034	mg/kg dry	7.43	<0.37	60.9	44.8-97.9			
1,4-Dichlorobenzene	4.42	0.37	0.032	mg/kg dry	7.43	<0.37	59.5	42.3-77.9			
2,4-Dinitrotoluene	4.65	0.37	0.039	mg/kg dry	7.43	<0.37	62.6	57.3-86.6			
2-Chlorophenol	4.70	0.74	0.067	mg/kg dry	7.43	<0.74	63.2	43.3-93.2			
4-Chloro-3-methylphenol	4.55	0.74	0.073	mg/kg dry	7.43	<0.74	61.2	47.1-97.6			
4-Nitrophenol	4.33	0.74	0.10	mg/kg dry	7.43	<0.74	58.2	49.3-96.2			
Anthracene	5.46	0.37	0.040	mg/kg dry	7.43	<0.37	73.5	67.5-93.1			
Benzo(a)anthracene	5.52	0.37	0.046	mg/kg dry	7.43	<0.37	74.2	59.8-95.7			
Benzo(a)pyrene	5.39	0.37	0.047	mg/kg dry	7.43	<0.37	72.6	59.8-92.7			
Chrysene	5.70	0.37	0.049	mg/kg dry	7.43	<0.37	76.7	62.5-94.6			
Fluoranthene	5.00	0.37	0.043	mg/kg dry	7.43	<0.37	66.2	61.3-92.8			
Fluorene	4.59	0.37	0.039	mg/kg dry	7.43	<0.37	61.8	62.8-92.6			M2
N-Nitrosodi-n-propylamine	5.22	0.37	0.037	mg/kg dry	7.43	<0.37	70.2	46.9-89.9			
Pentachlorophenol	4.77	0.74	0.087	mg/kg dry	7.43	<0.74	64.2	40.1-95.1			
Phenanthrene	5.66	0.37	0.040	mg/kg dry	7.43	<0.37	75.1	65.2-92.2			
Phenol	4.93	0.74	0.077	mg/kg dry	7.43	<0.74	66.3	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2802 - EPA 3545 ASE Extraction

Matrix Spike (B1F2802-MS1)

Source: 1102775-11

Prepared & Analyzed: 06/28/11

Surrogate: 2,4,6-Tribromophenol	4.43			mg/kg dry	7.43		59.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.38			mg/kg dry	7.43		59.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.20			mg/kg dry	7.43		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.20			mg/kg dry	7.43		69.9	48.9-100			
Surrogate: Phenol-d6	5.51			mg/kg dry	7.43		74.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.18			mg/kg dry	7.43		69.7	51-99.6			

Matrix Spike Dup (B1F2802-MSD1)

Source: 1102775-11

Prepared & Analyzed: 06/28/11

1,2,4-Trichlorobenzene	4.83	0.37	0.034	mg/kg dry	7.46	<0.37	64.7	44.8-97.9	6.38	19.6	
1,4-Dichlorobenzene	4.62	0.37	0.032	mg/kg dry	7.46	<0.37	62.0	42.3-77.9	4.40	22.4	
2,4-Dinitrotoluene	4.86	0.37	0.039	mg/kg dry	7.46	<0.37	65.2	57.3-86.6	4.48	19.5	
2-Chlorophenol	5.01	0.74	0.067	mg/kg dry	7.46	<0.74	67.2	43.3-93.2	6.39	23.7	
4-Chloro-3-methylphenol	4.89	0.74	0.073	mg/kg dry	7.46	<0.74	65.6	47.1-97.6	7.21	18.3	
4-Nitrophenol	4.77	0.74	0.10	mg/kg dry	7.46	<0.74	64.0	49.3-96.2	9.69	20.4	
Anthracene	5.79	0.37	0.040	mg/kg dry	7.46	<0.37	77.6	67.5-93.1	5.77	19.9	
Benzo(a)anthracene	5.80	0.37	0.046	mg/kg dry	7.46	<0.37	77.8	59.8-95.7	5.06	23.4	
Benzo(a)pyrene	5.74	0.37	0.047	mg/kg dry	7.46	<0.37	77.0	59.8-92.7	6.29	21.1	
Chrysene	6.04	0.37	0.049	mg/kg dry	7.46	<0.37	81.0	62.5-94.6	5.73	24.8	
Fluoranthene	5.27	0.37	0.043	mg/kg dry	7.46	<0.37	69.6	61.3-92.8	5.28	21.8	
Fluorene	4.87	0.37	0.039	mg/kg dry	7.46	<0.37	65.2	62.8-92.6	5.83	17.6	
N-Nitrosodi-n-propylamine	5.43	0.37	0.037	mg/kg dry	7.46	<0.37	72.8	46.9-89.9	3.92	18.9	
Pentachlorophenol	5.28	0.74	0.087	mg/kg dry	7.46	<0.74	70.7	40.1-95.1	10.0	19.7	
Phenanthrene	5.94	0.37	0.040	mg/kg dry	7.46	<0.37	78.6	65.2-92.2	4.76	20.5	
Phenol	5.28	0.74	0.077	mg/kg dry	7.46	<0.74	70.8	44.7-91	6.97	17.9	
Surrogate: 2,4,6-Tribromophenol	4.82			mg/kg dry	7.46		64.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.64			mg/kg dry	7.46		62.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.48			mg/kg dry	7.46		60.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.39			mg/kg dry	7.46		72.3	48.9-100			
Surrogate: Phenol-d6	5.98			mg/kg dry	7.46		80.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.37			mg/kg dry	7.46		72.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2302 - EPA 5035 Soil (Purge and Trap)

Blank (B1F2302-BLK1)

Prepared & Analyzed: 06/23/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2302 - EPA 5035 Soil (Purge and Trap)

Blank (B1F2302-BLK1)

Prepared & Analyzed: 06/23/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	50.4			ug/L	50.0		101	80-124			
Surrogate: Dibromofluoromethane	50.8			ug/L	50.0		102	77.1-123			
Surrogate: Toluene-d8	51.5			ug/L	50.0		103	78.1-125			

LCS (B1F2302-BS1)

Prepared & Analyzed: 06/23/11

1,1,2,2-Tetrachloroethane	53.7			ug/L	50.0		107	75-120			
1,1-Dichloroethane	53.5			ug/L	50.0		107	79.6-120			
1,1-Dichloroethene	45.1			ug/L	50.0		90.3	78.3-120			
1,3,5-Trimethylbenzene	51.6			ug/L	50.0		103	77-120			
1,4-Dichlorobenzene	49.9			ug/L	50.0		99.8	75-125			
2-Chlorotoluene	53.3			ug/L	50.0		107	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2302 - EPA 5035 Soil (Purge and Trap)

LCS (B1F2302-BS1)

Prepared & Analyzed: 06/23/11

Benzene	52.3			ug/L	50.0		105	80-120			
Bromoform	48.9			ug/L	50.0		97.7	80-120			
Chlorobenzene	48.9			ug/L	50.0		97.8	80-120			
Chloroform	53.8			ug/L	50.0		108	80-120			
Ethylbenzene	49.0			ug/L	50.0		98.0	80-120			
n-Butylbenzene	51.9			ug/L	50.0		104	75-125			
n-Propylbenzene	53.7			ug/L	50.0		107	75-120			
Toluene	52.2			ug/L	50.0		104	80-120			
Trichloroethene	52.4			ug/L	50.0		105	80-120			
Vinyl chloride	57.2			ug/L	50.0		114	75-130			
Surrogate: 4-Bromofluorobenzene	52.3			ug/L	50.0		105	80-124			
Surrogate: Dibromofluoromethane	51.0			ug/L	50.0		102	77.1-123			
Surrogate: Toluene-d8	51.7			ug/L	50.0		103	78.1-125			

Matrix Spike (B1F2302-MS1)

Source: 1102775-14

Prepared & Analyzed: 06/23/11

1,1,2,2-Tetrachloroethane	51.7			ug/L	50.0	<	103	75-125			
1,1-Dichloroethane	54.2			ug/L	50.0	<	108	78.7-123			
1,1-Dichloroethene	45.5			ug/L	50.0	<	91.0	75.8-121			
1,3,5-Trimethylbenzene	50.7			ug/L	50.0	<	101	75-120			
1,4-Dichlorobenzene	49.7			ug/L	50.0	<	99.4	75-125			
2-Chlorotoluene	52.0			ug/L	50.0	<	104	75-120			
Benzene	52.6			ug/L	50.0	<	105	80-120			
Bromoform	48.7			ug/L	50.0	<	97.4	80-120			
Chlorobenzene	48.6			ug/L	50.0	<	97.3	80-120			
Chloroform	53.3			ug/L	50.0	<	107	80-120			
Ethylbenzene	49.3			ug/L	50.0	<	98.5	80-120			
n-Butylbenzene	51.0			ug/L	50.0	<	102	73.8-125			
n-Propylbenzene	51.9			ug/L	50.0	<	104	75-120			
Toluene	51.8			ug/L	50.0	<	104	80-120			
Trichloroethene	52.2			ug/L	50.0	<	104	80-120			
Vinyl chloride	56.3			ug/L	50.0	<	113	74.8-130			
Surrogate: 4-Bromofluorobenzene	53.2			ug/L	50.0		106	80-124			
Surrogate: Dibromofluoromethane	51.7			ug/L	50.0		103	77.1-123			
Surrogate: Toluene-d8	51.4			ug/L	50.0		103	78.1-125			

Matrix Spike Dup (B1F2302-MSD1)

Source: 1102775-14

Prepared & Analyzed: 06/23/11

1,1,2,2-Tetrachloroethane	51.9			ug/L	50.0	<	104	75-125	0.343	20	
1,1-Dichloroethane	53.3			ug/L	50.0	<	107	78.7-123	1.69	20	
1,1-Dichloroethene	43.6			ug/L	50.0	<	87.3	75.8-121	4.22	20	
1,3,5-Trimethylbenzene	50.8			ug/L	50.0	<	102	75-120	0.209	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2302 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1F2302-MSD1)		Source: 1102775-14			Prepared & Analyzed: 06/23/11						
1,4-Dichlorobenzene	49.1			ug/L	50.0	<	98.3	75-125	1.12	20	
2-Chlorotoluene	52.3			ug/L	50.0	<	105	75-120	0.467	20	
Benzene	53.1			ug/L	50.0	<	106	80-120	0.923	20	
Bromoform	47.8			ug/L	50.0	<	95.5	80-120	1.93	20	
Chlorobenzene	48.9			ug/L	50.0	<	97.8	80-120	0.522	20	
Chloroform	52.5			ug/L	50.0	<	105	80-120	1.48	20	
Ethylbenzene	49.2			ug/L	50.0	<	98.3	80-120	0.236	20	
n-Butylbenzene	51.2			ug/L	50.0	<	102	73.8-125	0.475	20	
n-Propylbenzene	51.8			ug/L	50.0	<	104	75-120	0.0711	20	
Toluene	52.4			ug/L	50.0	<	105	80-120	1.29	20	
Trichloroethene	52.4			ug/L	50.0	<	105	80-120	0.345	20	
Vinyl chloride	55.4			ug/L	50.0	<	111	74.8-130	1.56	20	
Surrogate: 4-Bromofluorobenzene	53.2			ug/L	50.0		106	80-124			
Surrogate: Dibromofluoromethane	52.0			ug/L	50.0		104	77.1-123			
Surrogate: Toluene-d8	52.2			ug/L	50.0		104	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102775 Date Reported: 07/06/11
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Notes and Definitions

- QR-04 The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
- M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
- M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

ABC Line
Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
BARR (952) 832-2600

Project Number: **2319-1092.00 488I 510**
Project Name: **UMore East - ABC Line**
Sample Origination State: **MN** (use two letter postal state abbreviation)

COC Number: **NO 33917**

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type			
						Water	Soil	Grab/Comp.	
1. 46T-T1	0.5	0.5	f4	06/24/2011	0730		X		
2. 46T-T3	0.5	0.5			0745	X			
3. 46T-T2	0.5	0.5			0800	X			
4. 46T-T4	0.5	0.5			0800	X			
5. 46T-T5	0.5	0.5			0840	X			
6. 46T-T6	0.5	0.5			0900	X			
7. 46T-T7	0.5	0.5			0945	X			
8. 46T-T8	0.5	0.5			1010	X			
9. 46T-T9	0.5	0.5			1015	X			
10. EEA5-T1	1	1	URS		1115	X			

Relinquished By: *[Signature]* Date: **6/22/11**
Relinquished By: *[Signature]* Date: **6/29/11**

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____

Received by: *[Signature]* Date: **4/29/11** Time: **8:30**
Received by: *[Signature]* Date: **4/23/11** Time: **10:45**

Number of Containers/Preservative

Water	Soil	Total Number Of Containers
VOCs (unpreserved) #2		
Dissolved Metals (HNO ₃)		
Total Metals (HNO ₃)		
General Organics (HCl) #3		
Diesel Range Organics (HCl) #4		
Nutrients (H ₂ SO ₄) #4		
VOCs (tared MeOH) #1		
GRO, BTEX (tared MeOH) #1		
DRO (tared unpreserv)		
Metals (unpreserv) #2		
SVOCs (unpreserv) #2		
% Solids (plastic vial, unpres.)		

COC **1** of **2**

Project Manager: **JME**

Project OC Contact: **AAN**

Sampled by: **KCB/ADN**

Laboratory: **Legend**

Analyze **RCRA** metals

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 1102775

Project Number: 23/19-1092.00 48E1 510

Project Name: UMve East-ABC Line

Sample Origin State: MN (use two letter postal state abbreviation)

COC Number: **No 33920**

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	Number of Containers/Preservative													
						Water	Soil		Water							Soil						
1. EEAS-T12	1	1	ft	6/21/11	10:40	X	X	Y	VOCs (HCl) #1	Dissolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	
2. EEAS-T13	0.5	0.5			11:11	X	X	X														3
3. 32T-T12	0.5	0.5			12:05	X	X	X														3
4. 32T-T11	4	4			12:30	Y	Y	Y														3
5. P1SA8-T11	3	3			12:45	Y	Y	Y	X													4
6. 29T-T11	0.5	0.5			13:00	Y	Y	Y	X													3
7. 29T-T12	0.5	0.5			13:15	X	X	X														3
8.																						
9.																						
10.																						

Project Manager: JME

Project OC Contact: AAN

Sampled by: ADN/KCB

Laboratory: Legend

Received by: [Signature] Date: 6/22/11 Time: 8:30

Relinquished by: [Signature] Date: 6/22/11 Time: 8:30

Relinquished by: [Signature] Date: 6/22/11 Time: 10:45

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____

Air Bill Number: _____

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List

#2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

H:\R\G\I\STDF\FORMS\Chain of Custody Form 2009 RLG Rev. 09/01/09

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 13, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102840
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/24/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Dan Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
U-111B-TT1-Pipe_4-4	1102840-01	Soil	06/23/11 08:30	06/24/11 16:10
111B-TT1_5-5	1102840-02	Soil	06/23/11 08:35	06/24/11 16:10
111B-TT2_0.5-0.5	1102840-03	Soil	06/23/11 08:50	06/24/11 16:10
111B-TT2_5-5	1102840-04	Soil	06/23/11 08:55	06/24/11 16:10
113B-TT2_5-5	1102840-05	Soil	06/23/11 09:30	06/24/11 16:10
113B-TT1_0.5-0.5	1102840-06	Soil	06/23/11 09:50	06/24/11 16:10
113B-TT1_5-5	1102840-07	Soil	06/23/11 10:00	06/24/11 16:10
206B-TT2_5-5	1102840-08	Soil	06/23/11 10:45	06/24/11 16:10
206B-TT1_5-5	1102840-09	Soil	06/23/11 11:05	06/24/11 16:10
206B-TT3_0.5-0.5	1102840-10	Soil	06/23/11 11:20	06/24/11 16:10
208C-TT1_0.5-0.5	1102840-11	Soil	06/23/11 13:00	06/24/11 16:10
208C-TT1_3-3	1102840-12	Soil	06/23/11 13:05	06/24/11 16:10
235A-TT4_0.5-0.5	1102840-13	Soil	06/23/11 13:45	06/24/11 16:10
235A-TT3_1-1	1102840-14	Soil	06/23/11 14:00	06/24/11 16:10
235A-TT3_3.5-3.5	1102840-15	Soil	06/23/11 14:05	06/24/11 16:10
235A-TT2_1-1	1102840-16	Soil	06/23/11 14:20	06/24/11 16:10
235A-TT2_3.5-3.5	1102840-17	Soil	06/23/11 14:25	06/24/11 16:10

Shipping Container Information

Default Cooler Temperature (°C): 5.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Recovery for the 8270 matrix spike compound phenanthrene was above laboratory limits in the batch B1F2912 MS. The MS/MSD source sample was 111B-TT1_5-5. All target analytes were within limits in the LCS/MSD.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
111B-TT1_5-5 (1102840-02) Soil Sampled: 06/23/11 08:35 Received: 06/24/11 16:10										
Arsenic	3.0	0.54	0.059	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	37	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	12	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	4.6	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.097	0.097	0.019	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
111B-TT2_0.5-0.5 (1102840-03) Soil Sampled: 06/23/11 08:50 Received: 06/24/11 16:10										
Arsenic	5.8	0.61	0.067	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	120	1.2	0.073	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	17	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	8.3	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	
111B-TT2_5-5 (1102840-04) Soil Sampled: 06/23/11 08:55 Received: 06/24/11 16:10										
Arsenic	2.6	0.53	0.059	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	28	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	8.6	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	2.4	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
113B-TT2_5-5 (1102840-05) Soil Sampled: 06/23/11 09:30 Received: 06/24/11 16:10										
Arsenic	3.2	0.55	0.060	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	50	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	9.7	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	3.7	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
113B-TT1_0.5-0.5 (1102840-06) Soil Sampled: 06/23/11 09:50 Received: 06/24/11 16:10										
Arsenic	5.9	0.60	0.065	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-TT1_0.5-0.5 (1102840-06) Soil Sampled: 06/23/11 09:50 Received: 06/24/11 16:10										
Barium	100	1.2	0.071	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Cadmium	<0.30	0.30	0.039	mg/kg dry	1	"	"	"	"	
Chromium	17	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	8.4	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
113B-TT1_5-5 (1102840-07) Soil Sampled: 06/23/11 10:00 Received: 06/24/11 16:10										
Arsenic	5.9	0.56	0.061	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	110	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	15	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.8	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
206B-TT2_5-5 (1102840-08) Soil Sampled: 06/23/11 10:45 Received: 06/24/11 16:10										
Arsenic	6.9	0.62	0.069	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	190	1.2	0.075	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	18	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	9.8	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
206B-TT1_5-5 (1102840-09) Soil Sampled: 06/23/11 11:05 Received: 06/24/11 16:10										
Arsenic	5.5	0.56	0.061	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	75	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	14	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	5.8	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
206B-TT3_0.5-0.5 (1102840-10) Soil Sampled: 06/23/11 11:20 Received: 06/24/11 16:10										
Arsenic	6.6	0.56	0.061	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	85	1.1	0.067	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
206B-TT3_0.5-0.5 (1102840-10) Soil Sampled: 06/23/11 11:20 Received: 06/24/11 16:10										
Cadmium	0.30	0.28	0.037	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Chromium	17	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	14	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
208C-TT1_0.5-0.5 (1102840-11) Soil Sampled: 06/23/11 13:00 Received: 06/24/11 16:10										
Arsenic	7.3	0.66	0.072	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	120	1.3	0.079	mg/kg dry	1	"	"	"	"	
Cadmium	<0.33	0.33	0.043	mg/kg dry	1	"	"	"	"	
Chromium	20	0.66	0.016	mg/kg dry	1	"	"	"	"	
Lead	20	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.13	0.13	0.025	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.33	0.33	0.021	mg/kg dry	1	"	"	"	"	
208C-TT1_3-3 (1102840-12) Soil Sampled: 06/23/11 13:05 Received: 06/24/11 16:10										
Arsenic	4.0	0.57	0.063	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	73	1.1	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	13	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	4.9	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
235A-TT4_0.5-0.5 (1102840-13) Soil Sampled: 06/23/11 13:45 Received: 06/24/11 16:10										
Arsenic	3.7	0.57	0.062	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	50	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	9.5	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	9.4	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
235A-TT3_1-1 (1102840-14) Soil Sampled: 06/23/11 14:00 Received: 06/24/11 16:10										
Arsenic	4.3	0.57	0.062	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	69	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102840
Date Reported: 07/13/11

TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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235A-TT3_1-1 (1102840-14) Soil Sampled: 06/23/11 14:00 Received: 06/24/11 16:10

Chromium	12	0.57	0.014	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Lead	7.8	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.098	0.098	0.019	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

235A-TT3_3.5-3.5 (1102840-15) Soil Sampled: 06/23/11 14:05 Received: 06/24/11 16:10

Arsenic	7.8	0.62	0.069	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	99	1.2	0.075	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	18	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	8.7	1.2	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	

235A-TT2_1-1 (1102840-16) Soil Sampled: 06/23/11 14:20 Received: 06/24/11 16:10

Arsenic	2.5	0.54	0.059	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	37	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	7.7	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	3.2	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	

235A-TT2_3.5-3.5 (1102840-17) Soil Sampled: 06/23/11 14:25 Received: 06/24/11 16:10

Arsenic	4.1	0.56	0.062	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	80	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	13	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	5.8	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1F2919	06/29/11	06/30/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
111B-TT1_5-5 (1102840-02) Soil Sampled: 06/23/11 08:35 Received: 06/24/11 16:10										
% Solids	93			%	1	B1F2909	06/29/11	06/29/11	% calculation	
111B-TT2_0.5-0.5 (1102840-03) Soil Sampled: 06/23/11 08:50 Received: 06/24/11 16:10										
% Solids	82			%	1	B1F2909	06/29/11	06/29/11	% calculation	
111B-TT2_5-5 (1102840-04) Soil Sampled: 06/23/11 08:55 Received: 06/24/11 16:10										
% Solids	94			%	1	B1F2909	06/29/11	06/29/11	% calculation	
113B-TT2_5-5 (1102840-05) Soil Sampled: 06/23/11 09:30 Received: 06/24/11 16:10										
% Solids	91			%	1	B1F2909	06/29/11	06/29/11	% calculation	
113B-TT1_0.5-0.5 (1102840-06) Soil Sampled: 06/23/11 09:50 Received: 06/24/11 16:10										
% Solids	84			%	1	B1F2909	06/29/11	06/29/11	% calculation	
113B-TT1_5-5 (1102840-07) Soil Sampled: 06/23/11 10:00 Received: 06/24/11 16:10										
% Solids	85			%	1	B1F2909	06/29/11	06/29/11	% calculation	
206B-TT2_5-5 (1102840-08) Soil Sampled: 06/23/11 10:45 Received: 06/24/11 16:10										
% Solids	76			%	1	B1F2909	06/29/11	06/29/11	% calculation	
206B-TT1_5-5 (1102840-09) Soil Sampled: 06/23/11 11:05 Received: 06/24/11 16:10										
% Solids	84			%	1	B1F2909	06/29/11	06/29/11	% calculation	
206B-TT3_0.5-0.5 (1102840-10) Soil Sampled: 06/23/11 11:20 Received: 06/24/11 16:10										
% Solids	84			%	1	B1F2909	06/29/11	06/29/11	% calculation	
208C-TT1_0.5-0.5 (1102840-11) Soil Sampled: 06/23/11 13:00 Received: 06/24/11 16:10										
% Solids	76			%	1	B1F2909	06/29/11	06/29/11	% calculation	
208C-TT1_3-3 (1102840-12) Soil Sampled: 06/23/11 13:05 Received: 06/24/11 16:10										
% Solids	87			%	1	B1F2909	06/29/11	06/29/11	% calculation	
235A-TT4_0.5-0.5 (1102840-13) Soil Sampled: 06/23/11 13:45 Received: 06/24/11 16:10										
% Solids	88			%	1	B1F2909	06/29/11	06/29/11	% calculation	
235A-TT3_1-1 (1102840-14) Soil Sampled: 06/23/11 14:00 Received: 06/24/11 16:10										
% Solids	88			%	1	B1F2909	06/29/11	06/29/11	% calculation	
235A-TT3_3.5-3.5 (1102840-15) Soil Sampled: 06/23/11 14:05 Received: 06/24/11 16:10										
% Solids	80			%	1	B1F2909	06/29/11	06/29/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT2_1-1 (1102840-16) Soil Sampled: 06/23/11 14:20 Received: 06/24/11 16:10										
% Solids	93			%	1	B1F2909	06/29/11	06/29/11	% calculation	
235A-TT2_3.5-3.5 (1102840-17) Soil Sampled: 06/23/11 14:25 Received: 06/24/11 16:10										
% Solids	89			%	1	B1F2909	06/29/11	06/29/11	% calculation	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102840
 Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
111B-TT1_5-5 (1102840-02) Soil Sampled: 06/23/11 08:35 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
111B-TT1_5-5 (1102840-02) Soil Sampled: 06/23/11 08:35 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	M1
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	62.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	75.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.4			51-99.6 %		"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102840
Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
111B-TT2_0.5-0.5 (1102840-03) Soil Sampled: 06/23/11 08:50 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.82	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.091	0.82	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.073	0.82	0.073	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	2.0	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.82	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.82	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.82	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
111B-TT2_0.5-0.5 (1102840-03) Soil Sampled: 06/23/11 08:50 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.059	0.40	0.059	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
Pyrene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	55.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	80.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.3			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102840
 Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
111B-TT2_5-5 (1102840-04) Soil Sampled: 06/23/11 08:55 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
111B-TT2_5-5 (1102840-04) Soil Sampled: 06/23/11 08:55 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	62.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	80.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	95.5			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102840
 Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-TT2_5-5 (1102840-05) Soil Sampled: 06/23/11 09:30 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-TT2_5-5 (1102840-05) Soil Sampled: 06/23/11 09:30 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	63.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	64.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	52.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	67.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	96.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-TT1_0.5-0.5 (1102840-06) Soil Sampled: 06/23/11 09:50 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-TT1_0.5-0.5 (1102840-06) Soil Sampled: 06/23/11 09:50 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.057	0.39	0.057	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	64.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	83.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	96.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-TT1_5-5 (1102840-07) Soil Sampled: 06/23/11 10:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-TT1_5-5 (1102840-07) Soil Sampled: 06/23/11 10:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	64.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	81.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	84.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	97.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
206B-TT2_5-5 (1102840-08) Soil Sampled: 06/23/11 10:45 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.041	0.43	0.041	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
1,2-Dichlorobenzene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.041	0.43	0.041	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.038	0.43	0.038	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.10	0.88	0.10	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.049	0.88	0.049	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.099	0.88	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.042	0.88	0.042	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.046	0.43	0.046	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.091	0.88	0.091	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.051	0.43	0.051	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.079	0.88	0.079	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.045	0.88	0.045	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.050	0.43	0.050	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.042	0.88	0.042	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.20	2.1	0.20	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.036	0.43	0.036	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.045	0.88	0.045	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.087	0.88	0.087	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.036	0.88	0.036	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.88	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.050	0.43	0.050	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.054	0.43	0.054	mg/kg dry	1	"	"	"	"	
Aniline	<0.041	0.88	0.041	mg/kg dry	1	"	"	"	"	
Anthracene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
Benzidine	<0.25	3.3	0.25	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.054	0.43	0.054	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.055	0.43	0.055	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.057	0.43	0.057	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.057	0.43	0.057	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
206B-TT2_5-5 (1102840-08) Soil Sampled: 06/23/11 10:45 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.063	0.43	0.063	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
Benzoic acid	<0.032	0.43	0.032	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.88	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.046	0.43	0.046	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.063	0.43	0.063	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.055	0.43	0.055	mg/kg dry	1	"	"	"	"	
Carbazole	<0.046	0.43	0.046	mg/kg dry	1	"	"	"	"	
Chrysene	<0.058	0.43	0.058	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.057	0.43	0.057	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.041	0.43	0.041	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.058	0.43	0.058	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.063	0.43	0.063	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.051	0.43	0.051	mg/kg dry	1	"	"	"	"	
Fluorene	<0.046	0.43	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.032	0.43	0.032	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.053	0.43	0.053	mg/kg dry	1	"	"	"	"	
Isophorone	<0.041	0.43	0.041	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.029	0.43	0.029	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.034	0.43	0.034	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.10	0.88	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
Phenol	<0.091	0.88	0.091	mg/kg dry	1	"	"	"	"	
Pyrene	<0.054	0.43	0.054	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	58.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	95.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
206B-TT1_5-5 (1102840-09) Soil Sampled: 06/23/11 11:05 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102840
 Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
206B-TT1_5-5 (1102840-09) Soil Sampled: 06/23/11 11:05 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.057	0.39	0.057	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	61.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	80.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	84.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	99.4			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102840
 Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
206B-TT3_0.5-0.5 (1102840-10) Soil Sampled: 06/23/11 11:20 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102840
 Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
206B-TT3_0.5-0.5 (1102840-10) Soil Sampled: 06/23/11 11:20 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.057	0.39	0.057	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	60.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	85.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	85.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	82.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	85.8			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102840
 Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208C-TT1_0.5-0.5 (1102840-11) Soil Sampled: 06/23/11 13:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.041	0.43	0.041	mg/kg dry	1	B1F2912	06/29/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.041	0.43	0.041	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.038	0.43	0.038	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.10	0.88	0.10	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.049	0.88	0.049	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.099	0.88	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.042	0.88	0.042	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.046	0.43	0.046	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.091	0.88	0.091	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.051	0.43	0.051	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.079	0.88	0.079	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.045	0.88	0.045	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.050	0.43	0.050	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.042	0.88	0.042	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.20	2.1	0.20	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.036	0.43	0.036	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.045	0.88	0.045	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.087	0.88	0.087	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.036	0.88	0.036	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.88	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.050	0.43	0.050	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.054	0.43	0.054	mg/kg dry	1	"	"	"	"	
Aniline	<0.041	0.88	0.041	mg/kg dry	1	"	"	"	"	
Anthracene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
Benzidine	<0.25	3.3	0.25	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.054	0.43	0.054	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.055	0.43	0.055	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.057	0.43	0.057	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.057	0.43	0.057	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208C-TT1_0.5-0.5 (1102840-11) Soil Sampled: 06/23/11 13:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.063	0.43	0.063	mg/kg dry	1	B1F2912	06/29/11	07/01/11	EPA 8270C	
Benzoic acid	<0.032	0.43	0.032	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.88	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.046	0.43	0.046	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.063	0.43	0.063	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.055	0.43	0.055	mg/kg dry	1	"	"	"	"	
Carbazole	<0.046	0.43	0.046	mg/kg dry	1	"	"	"	"	
Chrysene	<0.058	0.43	0.058	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.057	0.43	0.057	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.041	0.43	0.041	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.058	0.43	0.058	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.063	0.43	0.063	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.051	0.43	0.051	mg/kg dry	1	"	"	"	"	
Fluorene	<0.046	0.43	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.032	0.43	0.032	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.053	0.43	0.053	mg/kg dry	1	"	"	"	"	
Isophorone	<0.041	0.43	0.041	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.029	0.43	0.029	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.034	0.43	0.034	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.10	0.88	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
Phenol	<0.091	0.88	0.091	mg/kg dry	1	"	"	"	"	
Pyrene	<0.054	0.43	0.054	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	88.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	75.7			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102840
 Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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208C-TT1_3-3 (1102840-12) Soil Sampled: 06/23/11 13:05 Received: 06/24/11 16:10

1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208C-TT1_3-3 (1102840-12) Soil Sampled: 06/23/11 13:05 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1F2912	06/29/11	06/30/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.046	0.38	0.046	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	64.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	55.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	74.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	89.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT4_0.5-0.5 (1102840-13) Soil Sampled: 06/23/11 13:45 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.18	1.9	0.18	mg/kg dry	5	B1F2912	06/29/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.19	1.9	0.19	mg/kg dry	5	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.20	1.9	0.20	mg/kg dry	5	"	"	"	"	
1,3-Dichlorobenzene	<0.18	1.9	0.18	mg/kg dry	5	"	"	"	"	
1,4-Dichlorobenzene	<0.16	1.9	0.16	mg/kg dry	5	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.44	3.8	0.44	mg/kg dry	5	"	"	"	"	
2,4,5-Trichlorophenol	<0.21	3.8	0.21	mg/kg dry	5	"	"	"	"	
2,4,6-Trichlorophenol	<0.45	3.8	0.45	mg/kg dry	5	"	"	"	"	
2,4-Dichlorophenol	<0.43	3.8	0.43	mg/kg dry	5	"	"	"	"	
2,4-Dimethylphenol	<0.45	3.8	0.45	mg/kg dry	5	"	"	"	"	
2,4-Dinitrophenol	<0.18	3.8	0.18	mg/kg dry	5	"	"	"	"	
2,4-Dinitrotoluene	<0.20	1.9	0.20	mg/kg dry	5	"	"	"	"	
2,6-Dichlorophenol	<0.39	3.8	0.39	mg/kg dry	5	"	"	"	"	
2,6-Dinitrotoluene	<0.22	1.9	0.22	mg/kg dry	5	"	"	"	"	
2-Chloronaphthalene	<0.19	1.9	0.19	mg/kg dry	5	"	"	"	"	
2-Chlorophenol	<0.34	3.8	0.34	mg/kg dry	5	"	"	"	"	
2-Methylnaphthalene	1.9	1.9	0.20	mg/kg dry	5	"	"	"	"	
2-Methylphenol	<0.19	3.8	0.19	mg/kg dry	5	"	"	"	"	
2-Nitroaniline	<0.22	1.9	0.22	mg/kg dry	5	"	"	"	"	
2-Nitrophenol	<0.48	3.8	0.48	mg/kg dry	5	"	"	"	"	
3&4-Methylphenol	<0.18	3.8	0.18	mg/kg dry	5	"	"	"	"	
3,3'-Dichlorobenzidine	<0.85	9.1	0.85	mg/kg dry	5	"	"	"	"	
3-Nitroaniline	<0.15	1.9	0.15	mg/kg dry	5	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.19	3.8	0.19	mg/kg dry	5	"	"	"	"	
4-Bromophenyl phenyl ether	<0.19	1.9	0.19	mg/kg dry	5	"	"	"	"	
4-Chloro-3-methylphenol	<0.38	3.8	0.38	mg/kg dry	5	"	"	"	"	
4-Chloroaniline	<0.15	3.8	0.15	mg/kg dry	5	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.20	1.9	0.20	mg/kg dry	5	"	"	"	"	
4-Nitroaniline	<0.19	1.9	0.19	mg/kg dry	5	"	"	"	"	
4-Nitrophenol	<0.53	3.8	0.53	mg/kg dry	5	"	"	"	"	
Acenaphthene	8.2	1.9	0.22	mg/kg dry	5	"	"	"	"	
Acenaphthylene	<0.23	1.9	0.23	mg/kg dry	5	"	"	"	"	
Aniline	<0.18	3.8	0.18	mg/kg dry	5	"	"	"	"	
Anthracene	18	1.9	0.20	mg/kg dry	5	"	"	"	"	
Benzidine	<1.1	14	1.1	mg/kg dry	5	"	"	"	"	
Benzo(a)anthracene	26	1.9	0.23	mg/kg dry	5	"	"	"	"	
Benzo(a)pyrene	21	1.9	0.24	mg/kg dry	5	"	"	"	"	
Benzo(b)fluoranthene	26	1.9	0.24	mg/kg dry	5	"	"	"	"	
Benzo(g,h,i)perylene	9.9	1.9	0.24	mg/kg dry	5	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102840
 Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT4_0.5-0.5 (1102840-13) Soil Sampled: 06/23/11 13:45 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	11	1.9	0.27	mg/kg dry	5	B1F2912	06/29/11	07/01/11	EPA 8270C	
Benzoic acid	<0.14	1.9	0.14	mg/kg dry	5	"	"	"	"	
Benzyl alcohol	<0.54	3.8	0.54	mg/kg dry	5	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.19	1.9	0.19	mg/kg dry	5	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	1.9	0.20	mg/kg dry	5	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.19	1.9	0.19	mg/kg dry	5	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.27	1.9	0.27	mg/kg dry	5	"	"	"	"	
Butyl benzyl phthalate	<0.24	1.9	0.24	mg/kg dry	5	"	"	"	"	
Carbazole	8.3	1.9	0.20	mg/kg dry	5	"	"	"	"	
Chrysene	27	1.9	0.25	mg/kg dry	5	"	"	"	"	
Dibenz(a,h)anthracene	3.5	1.9	0.24	mg/kg dry	5	"	"	"	"	
Dibenzofuran	4.8	1.9	0.19	mg/kg dry	5	"	"	"	"	
Diethyl phthalate	<0.18	1.9	0.18	mg/kg dry	5	"	"	"	"	
Dimethyl phthalate	<0.17	1.9	0.17	mg/kg dry	5	"	"	"	"	
Di-n-butyl phthalate	<0.25	1.9	0.25	mg/kg dry	5	"	"	"	"	
Di-n-octyl phthalate	<0.27	1.9	0.27	mg/kg dry	5	"	"	"	"	
Fluoranthene	53	1.9	0.22	mg/kg dry	5	"	"	"	"	
Fluorene	8.8	1.9	0.20	mg/kg dry	5	"	"	"	"	
Hexachlorobenzene	<0.20	1.9	0.20	mg/kg dry	5	"	"	"	"	
Hexachlorobutadiene	<0.17	1.9	0.17	mg/kg dry	5	"	"	"	"	
Hexachlorocyclopentadiene	<0.14	1.9	0.14	mg/kg dry	5	"	"	"	"	
Hexachloroethane	<0.17	1.9	0.17	mg/kg dry	5	"	"	"	"	
Indeno (1,2,3-cd) pyrene	12	1.9	0.23	mg/kg dry	5	"	"	"	"	
Isophorone	<0.18	1.9	0.18	mg/kg dry	5	"	"	"	"	
Naphthalene	2.8	1.9	0.19	mg/kg dry	5	"	"	"	"	
Nitrobenzene	<0.19	1.9	0.19	mg/kg dry	5	"	"	"	"	
N-Nitrosodimethylamine	<0.12	1.9	0.12	mg/kg dry	5	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.19	1.9	0.19	mg/kg dry	5	"	"	"	"	
N-Nitrosodiphenylamine	<0.15	1.9	0.15	mg/kg dry	5	"	"	"	"	
Pentachlorophenol	<0.44	3.8	0.44	mg/kg dry	5	"	"	"	"	
Phenanthrene	57	1.9	0.20	mg/kg dry	5	"	"	"	"	
Phenol	<0.39	3.8	0.39	mg/kg dry	5	"	"	"	"	
Pyrene	45	1.9	0.23	mg/kg dry	5	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	87.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	82.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	95.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	93.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT3_1-1 (1102840-14) Soil Sampled: 06/23/11 14:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1F2912	06/29/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.11	0.38	0.041	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.67	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	1.6	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	2.7	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	2.1	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	2.6	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	1.0	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102840
 Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT3_1-1 (1102840-14) Soil Sampled: 06/23/11 14:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	1.2	0.38	0.055	mg/kg dry	1	B1F2912	06/29/11	07/01/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	0.83	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	2.8	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.33	0.38	0.049	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.32	0.38	0.038	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	5.7	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	0.70	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	1.2	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	0.14	0.38	0.038	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	5.6	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	5.1	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	73.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	80.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	74.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT3_3.5-3.5 (1102840-15) Soil Sampled: 06/23/11 14:05 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	B1F2912	06/29/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.84	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.094	0.84	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.075	0.84	0.075	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.84	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.082	0.84	0.082	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.84	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.84	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.1	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT3_3.5-3.5 (1102840-15) Soil Sampled: 06/23/11 14:05 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.060	0.41	0.060	mg/kg dry	1	B1F2912	06/29/11	07/01/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.050	0.41	0.050	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Phenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	70.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	83.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT2_1-1 (1102840-16) Soil Sampled: 06/23/11 14:20 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1F2912	06/29/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.044	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	0.12	0.35	0.039	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.23	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.19	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.24	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.089	0.35	0.046	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102840
 Date Reported: 07/13/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT2_1-1 (1102840-16) Soil Sampled: 06/23/11 14:20 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.10	0.35	0.052	mg/kg dry	1	B1F2912	06/29/11	07/01/11	EPA 8270C	J
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	0.052	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Chrysene	0.22	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.52	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	0.044	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.10	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.41	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	0.45	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	60.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	71.7			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT2_3.5-3.5 (1102840-17) Soil Sampled: 06/23/11 14:25 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1F2912	06/29/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.12	0.37	0.040	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.84	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	1.8	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	2.5	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	2.0	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	2.4	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.96	0.37	0.048	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT2_3.5-3.5 (1102840-17) Soil Sampled: 06/23/11 14:25 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	1.1	0.37	0.054	mg/kg dry	1	B1F2912	06/29/11	07/01/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	1.2	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	2.6	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.31	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.53	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	5.5	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	0.96	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	1.1	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	0.12	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	6.6	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	4.8	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	75.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	64.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	82.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	76.4			51-99.6 %		"	"	"	"	

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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-111B-TT1-Pipe_4-4 (1102840-01) Soil Sampled: 06/23/11 08:30 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1F2913	06/29/11	06/29/11	EPA 1010A/ASTM D93(M)	
111B-TT1_5-5 (1102840-02) Soil Sampled: 06/23/11 08:35 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1F2913	06/29/11	06/29/11	EPA 1010A/ASTM D93(M)	
111B-TT2_0.5-0.5 (1102840-03) Soil Sampled: 06/23/11 08:50 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1F2913	06/29/11	06/29/11	EPA 1010A/ASTM D93(M)	
111B-TT2_5-5 (1102840-04) Soil Sampled: 06/23/11 08:55 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1F2913	06/29/11	06/29/11	EPA 1010A/ASTM D93(M)	
113B-TT2_5-5 (1102840-05) Soil Sampled: 06/23/11 09:30 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1F2913	06/29/11	06/29/11	EPA 1010A/ASTM D93(M)	
113B-TT1_0.5-0.5 (1102840-06) Soil Sampled: 06/23/11 09:50 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1F2913	06/29/11	06/29/11	EPA 1010A/ASTM D93(M)	
113B-TT1_5-5 (1102840-07) Soil Sampled: 06/23/11 10:00 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1F2913	06/29/11	06/29/11	EPA 1010A/ASTM D93(M)	
235A-TT4_0.5-0.5 (1102840-13) Soil Sampled: 06/23/11 13:45 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1F2913	06/29/11	06/29/11	EPA 1010A/ASTM D93(M)	
235A-TT3_1-1 (1102840-14) Soil Sampled: 06/23/11 14:00 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1F2913	06/29/11	06/29/11	EPA 1010A/ASTM D93(M)	
235A-TT2_1-1 (1102840-16) Soil Sampled: 06/23/11 14:20 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1F2913	06/29/11	06/29/11	EPA 1010A/ASTM D93(M)	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2919 - EPA 7471A											
Blank (B1F2919-BLK1) Prepared: 06/29/11 Analyzed: 06/30/11											
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1F2919-BS1) Prepared: 06/29/11 Analyzed: 06/30/11											
Mercury	0.199	0.10	0.019	mg/kg wet	0.200		99.5	80-120			
LCS Dup (B1F2919-BSD1) Prepared: 06/29/11 Analyzed: 06/30/11											
Mercury	0.203	0.10	0.019	mg/kg wet	0.200		102	80-120	1.99	20	
Matrix Spike (B1F2919-MS1) Source: 1102840-02 Prepared: 06/29/11 Analyzed: 06/30/11											
Mercury	0.214	0.10	0.019	mg/kg dry	0.200	<0.10	107	75-125			
Matrix Spike Dup (B1F2919-MSD1) Source: 1102840-02 Prepared: 06/29/11 Analyzed: 06/30/11											
Mercury	0.209	0.10	0.019	mg/kg dry	0.199	<0.10	105	75-125	2.57	20	
Batch B1F2922 - EPA 3050B											
Blank (B1F2922-BLK1) Prepared: 06/29/11 Analyzed: 06/30/11											
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1F2922-BS1) Prepared: 06/29/11 Analyzed: 06/30/11											
Arsenic	42.0	0.50	0.055	mg/kg wet	39.9		105	80-120			
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120			
Cadmium	41.4	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	42.0	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	41.7	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	42.0	1.0	0.095	mg/kg wet	39.9		105	80-120			
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120			
LCS Dup (B1F2922-BSD1) Prepared: 06/29/11 Analyzed: 06/30/11											
Arsenic	42.2	0.50	0.055	mg/kg wet	39.9		106	80-120	0.447	20	
Barium	42.5	1.0	0.060	mg/kg wet	39.9		107	80-120	1.74	20	
Cadmium	41.5	0.25	0.033	mg/kg wet	39.9		104	80-120	0.0883	20	
Chromium	42.3	0.50	0.012	mg/kg wet	39.9		106	80-120	0.555	20	
Lead	41.8	1.0	0.14	mg/kg wet	39.9		105	80-120	0.229	20	
Selenium	42.4	1.0	0.095	mg/kg wet	39.9		106	80-120	0.841	20	
Silver	4.11	0.25	0.016	mg/kg wet	3.99		103	80-120	1.31	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2922 - EPA 3050B											
Matrix Spike (B1F2922-MS1)		Source: 1102840-04			Prepared: 06/29/11		Analyzed: 06/30/11				
Arsenic	43.7	0.53	0.059	mg/kg dry	41.2	2.56	99.9	75-125			
Barium	69.8	1.1	0.064	mg/kg dry	41.2	28.0	101	75-125			
Cadmium	41.2	0.27	0.035	mg/kg dry	41.2	<0.27	99.9	75-125			
Chromium	48.5	0.53	0.013	mg/kg dry	41.2	8.62	96.9	75-125			
Lead	42.5	1.1	0.15	mg/kg dry	41.2	2.36	97.6	75-125			
Selenium	41.6	1.1	0.10	mg/kg dry	41.2	<1.1	101	75-125			
Silver	4.02	0.27	0.017	mg/kg dry	4.12	<0.27	97.7	75-125			
Matrix Spike Dup (B1F2922-MSD1)											
Matrix Spike Dup (B1F2922-MSD1)		Source: 1102840-04			Prepared: 06/29/11		Analyzed: 06/30/11				
Arsenic	43.5	0.53	0.059	mg/kg dry	41.1	2.56	99.7	75-125	0.293	20	
Barium	71.9	1.1	0.064	mg/kg dry	41.1	28.0	107	75-125	3.03	20	
Cadmium	41.5	0.27	0.035	mg/kg dry	41.1	<0.27	101	75-125	0.884	20	
Chromium	48.4	0.53	0.013	mg/kg dry	41.1	8.62	96.8	75-125	0.258	20	
Lead	42.5	1.1	0.15	mg/kg dry	41.1	2.36	97.6	75-125	0.150	20	
Selenium	41.3	1.1	0.10	mg/kg dry	41.1	<1.1	101	75-125	0.560	20	
Silver	3.97	0.27	0.017	mg/kg dry	4.11	<0.27	96.7	75-125	1.19	20	

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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1F2909 - General Preparation												
Duplicate (B1F2909-DUP1)							Source: 1102840-10					Prepared & Analyzed: 06/29/11
% Solids	83.0			%		84.0			1.20	20		
Duplicate (B1F2909-DUP2)							Source: 1102843-03					Prepared & Analyzed: 06/29/11
% Solids	82.0			%		83.0			1.21	20		
Duplicate (B1F2909-DUP3)							Source: 1102843-13					Prepared & Analyzed: 06/29/11
% Solids	82.0			%		85.0			3.59	20		
Duplicate (B1F2909-DUP4)							Source: 1102865-02					Prepared & Analyzed: 06/29/11
% Solids	95.0			%		95.0			0.00	20		

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2912 - EPA 3545 ASE Extraction

Blank (B1F2912-BLK1)

Prepared: 06/29/11 Analyzed: 06/30/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2912 - EPA 3545 ASE Extraction

Blank (B1F2912-BLK1)

Prepared: 06/29/11 Analyzed: 06/30/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	3.88			mg/kg wet	6.67		58.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.20			mg/kg wet	6.67		63.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.00			mg/kg wet	6.67		60.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.44			mg/kg wet	6.67		66.6	48.9-100			
Surrogate: Phenol-d6	5.03			mg/kg wet	6.67		75.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.81			mg/kg wet	6.67		87.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2912 - EPA 3545 ASE Extraction

LCS (B1F2912-BS1)

Prepared: 06/29/11 Analyzed: 07/01/11

1,2,4-Trichlorobenzene	4.31	0.33	0.031	mg/kg wet	6.67		64.7	59.1-87.7			
1,4-Dichlorobenzene	3.79	0.33	0.029	mg/kg wet	6.67		56.9	50.3-72.9			
2,4-Dinitrotoluene	4.14	0.33	0.035	mg/kg wet	6.67		62.0	59.8-82.2			
2-Chlorophenol	4.40	0.67	0.060	mg/kg wet	6.67		66.1	59.7-77.3			
4-Chloro-3-methylphenol	4.69	0.67	0.066	mg/kg wet	6.67		70.3	63.6-80.4			
4-Nitrophenol	4.32	0.67	0.093	mg/kg wet	6.67		64.9	57.3-84.9			
Anthracene	5.30	0.33	0.036	mg/kg wet	6.67		79.5	67.3-88			
Benzo(a)anthracene	5.30	0.33	0.041	mg/kg wet	6.67		79.5	66.5-90.5			
Benzo(a)pyrene	5.34	0.33	0.042	mg/kg wet	6.67		80.1	66.1-89.7			
Chrysene	5.53	0.33	0.044	mg/kg wet	6.67		82.9	65.5-90.5			
Fluoranthene	4.98	0.33	0.039	mg/kg wet	6.67		74.6	66.7-89.9			
Fluorene	4.46	0.33	0.035	mg/kg wet	6.67		66.9	66.2-85.6			
N-Nitrosodi-n-propylamine	4.45	0.33	0.033	mg/kg wet	6.67		66.7	59.4-78			
Pentachlorophenol	5.31	0.67	0.078	mg/kg wet	6.67		79.7	46.7-83.2			
Phenanthrene	5.40	0.33	0.036	mg/kg wet	6.67		81.0	67.5-87.9			
Phenol	4.74	0.67	0.069	mg/kg wet	6.67		71.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.69			mg/kg wet	6.67		70.4	53-107			
Surrogate: 2-Fluorobiphenyl	3.95			mg/kg wet	6.67		59.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.09			mg/kg wet	6.67		61.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.47			mg/kg wet	6.67		67.1	48.9-100			
Surrogate: Phenol-d6	5.31			mg/kg wet	6.67		79.7	50.4-99.6			
Surrogate: Terphenyl-d14	4.59			mg/kg wet	6.67		68.8	51-99.6			

Matrix Spike (B1F2912-MS1)

Source: 1102840-02

Prepared: 06/29/11 Analyzed: 06/30/11

1,2,4-Trichlorobenzene	4.39	0.35	0.033	mg/kg dry	7.21	<0.35	61.0	44.8-97.9			
1,4-Dichlorobenzene	4.29	0.35	0.031	mg/kg dry	7.21	<0.35	59.6	42.3-77.9			
2,4-Dinitrotoluene	5.35	0.35	0.038	mg/kg dry	7.21	<0.35	74.2	57.3-86.6			
2-Chlorophenol	4.46	0.72	0.065	mg/kg dry	7.21	<0.72	61.9	43.3-93.2			
4-Chloro-3-methylphenol	4.82	0.72	0.071	mg/kg dry	7.21	<0.72	66.9	47.1-97.6			
4-Nitrophenol	5.40	0.72	0.10	mg/kg dry	7.21	<0.72	74.9	49.3-96.2			
Anthracene	6.35	0.35	0.039	mg/kg dry	7.21	<0.35	88.1	67.5-93.1			
Benzo(a)anthracene	6.12	0.35	0.044	mg/kg dry	7.21	<0.35	84.9	59.8-95.7			
Benzo(a)pyrene	6.36	0.35	0.045	mg/kg dry	7.21	<0.35	88.2	59.8-92.7			
Chrysene	6.58	0.35	0.047	mg/kg dry	7.21	<0.35	91.3	62.5-94.6			
Fluoranthene	5.96	0.35	0.042	mg/kg dry	7.21	<0.35	82.7	61.3-92.8			
Fluorene	5.30	0.35	0.038	mg/kg dry	7.21	<0.35	73.6	62.8-92.6			
N-Nitrosodi-n-propylamine	4.69	0.35	0.035	mg/kg dry	7.21	<0.35	65.1	46.9-89.9			
Pentachlorophenol	5.28	0.72	0.084	mg/kg dry	7.21	<0.72	73.3	40.1-95.1			
Phenanthrene	6.65	0.35	0.039	mg/kg dry	7.21	<0.35	92.3	65.2-92.2			
Phenol	4.51	0.72	0.074	mg/kg dry	7.21	<0.72	62.6	44.7-91			M1

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2912 - EPA 3545 ASE Extraction

Matrix Spike (B1F2912-MS1)

Source: 1102840-02

Prepared: 06/29/11

Analyzed: 06/30/11

Surrogate: 2,4,6-Tribromophenol	4.70			mg/kg dry	7.21		65.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.48			mg/kg dry	7.21		62.2	53.9-97.9			
Surrogate: 2-Fluorophenol	3.72			mg/kg dry	7.21		51.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.66			mg/kg dry	7.21		64.7	48.9-100			
Surrogate: Phenol-d6	4.92			mg/kg dry	7.21		68.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.57			mg/kg dry	7.21		77.3	51-99.6			

Matrix Spike Dup (B1F2912-MSD1)

Source: 1102840-02

Prepared: 06/29/11

Analyzed: 06/30/11

1,2,4-Trichlorobenzene	4.37	0.35	0.033	mg/kg dry	7.19	<0.35	60.8	44.8-97.9	0.484	19.6	
1,4-Dichlorobenzene	4.22	0.35	0.031	mg/kg dry	7.19	<0.35	58.8	42.3-77.9	1.67	22.4	
2,4-Dinitrotoluene	5.19	0.35	0.038	mg/kg dry	7.19	<0.35	72.2	57.3-86.6	3.01	19.5	
2-Chlorophenol	4.43	0.72	0.065	mg/kg dry	7.19	<0.72	61.6	43.3-93.2	0.617	23.7	
4-Chloro-3-methylphenol	4.46	0.72	0.071	mg/kg dry	7.19	<0.72	62.1	47.1-97.6	7.73	18.3	
4-Nitrophenol	5.07	0.72	0.10	mg/kg dry	7.19	<0.72	70.5	49.3-96.2	6.26	20.4	
Anthracene	6.16	0.35	0.039	mg/kg dry	7.19	<0.35	85.7	67.5-93.1	3.03	19.9	
Benzo(a)anthracene	5.90	0.35	0.044	mg/kg dry	7.19	<0.35	82.1	59.8-95.7	3.66	23.4	
Benzo(a)pyrene	6.26	0.35	0.045	mg/kg dry	7.19	<0.35	87.1	59.8-92.7	1.49	21.1	
Chrysene	6.33	0.35	0.047	mg/kg dry	7.19	<0.35	88.1	62.5-94.6	3.87	24.8	
Fluoranthene	5.84	0.35	0.042	mg/kg dry	7.19	<0.35	81.3	61.3-92.8	2.00	21.8	
Fluorene	5.08	0.35	0.038	mg/kg dry	7.19	<0.35	70.7	62.8-92.6	4.23	17.6	
N-Nitrosodi-n-propylamine	4.52	0.35	0.035	mg/kg dry	7.19	<0.35	62.9	46.9-89.9	3.71	18.9	
Pentachlorophenol	4.87	0.72	0.084	mg/kg dry	7.19	<0.72	67.8	40.1-95.1	8.13	19.7	
Phenanthrene	6.50	0.35	0.039	mg/kg dry	7.19	<0.35	90.4	65.2-92.2	2.35	20.5	
Phenol	4.42	0.72	0.074	mg/kg dry	7.19	<0.72	61.5	44.7-91	1.95	17.9	
Surrogate: 2,4,6-Tribromophenol	4.31			mg/kg dry	7.19		60.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.38			mg/kg dry	7.19		60.9	53.9-97.9			
Surrogate: 2-Fluorophenol	3.71			mg/kg dry	7.19		51.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.72			mg/kg dry	7.19		65.7	48.9-100			
Surrogate: Phenol-d6	4.81			mg/kg dry	7.19		66.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.38			mg/kg dry	7.19		74.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102840 Date Reported: 07/13/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2913 - General Prep											
Duplicate (B1F2913-DUP1)			Source: 1102840-01			Prepared & Analyzed: 06/29/11					
Flashpoint	>140			°F		>140				5	
Reference (B1F2913-SRM1)											
Reference (B1F2913-SRM1)						Prepared & Analyzed: 06/29/11					
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102840
Date Reported: 07/13/11

Notes and Definitions

M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

ABC Line

Chain of Custody

4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

BARR

1102840

Project Number: 2319-1027 48RE 510

Project Name: Umeo RI

Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 33959

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type	QC
						Water	Soil	Grab		
1. U-11B-TT1-Pop	4	4	FT	6/23/11	8:30	X	X	X	Flashpoint	
2. 11B-TT1	5	5	FT		8:35	X	X	X	Metals, SVOCs, Flashpoint	
3. 11B-TT2	0.5	0.5	FT		8:50	X	X	X		
4. 11B-TT2	5	5	FT		8:55	X	X	X		
5. 11B-TT2	5	5	FT		9:30	X	X	X		
6. 11B-TT1	0.5	0.5	FT		9:50	X	X	X		
7. 11B-TT1	5	5	FT		10:00	X	X	X		
8. 206B-TT2	5	5	FT		10:45	X	X	X	Metals, SVOCs	
9. 206B-TT1	5	5	FT		11:05	X	X	X		
10. 206B-TT3	0.5	0.5	FT		11:20	X	X	X		

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

5.2 Ice per bubble

Relinquished By: [Signature]

Relinquished Date: 6-21-11

Received by: [Signature]

Received Date: 6/24/11

Time: 16:10

Samples Shipped VIA: Air Freight Federal Express Sampler

Air Bill Number:

Date: 6/24/11

Time: 16:10

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

ABL Line

Chain of Custody

4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600



1102840

Project Number: 23/19-1092 48RE 510

Project Name: UMN RL

Sample Origin State: MN (use two letter postal state abbreviation)

COC Number: NO 33960

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type
						Water	Soil	Grab	
1. 208C-TT1	0.5	0.5	FT	6/23/11	13:00	X	X	X	QC
2. 208C-TT1	3	3			13:05	X	X	X	Comp.
3. 235A-TT4	0.5	0.5			13:45	X	X	X	Grab
4. 235A-TT3	1	1			14:00	X	X	X	QC
5. 235A-TT3	3.5	3.5			14:05	X	X	X	Comp.
6. 235A-TT2	1	1			14:20	X	X	X	Grab
7. 235A-TT2	3.5	3.5			14:25	X	X	X	QC
8.									
9.									
10.									

Relinquished By: [Signature]

Relinquished Date: 6-24-11 17:05

On Ice? N Y

Relinquished Date: 6/24/11 16:10

Received by: [Signature]

Received Date: 6/24/11 16:10

Samples Shipped Via: Air Freight Federal Express Sampler Other

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, 8360 Full List

#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

5.2°C Ice Per Bubble

Number of Containers/Preservative		Total Number of Containers
Water	Soil	
VOCs (unpreserved) #2		
Dissolved Metals (HNO ₃)		
Total Metals (HNO ₃)		
General (unpreserved) #3		
Diesel Range Organics (HCl)		
Nutrients (H ₂ SO ₄) #4		
VOCs (tared MeOH) #1		
GRO, BTEX (tared MeOH) #1		
DRO (tared unpreserved)		
Metals (unpreserved) #2		
SVOs (unpreserved) #2		
% Solids (plastic vial, unpres.)		

Project Manager: JME

Project QC Contact: AAN

Sampled by: AAN

Laboratory: Legend

1. Metals, SVOs

2. Metals, SVOs, Phosphate

3. Metals, SVOs

4. Metals, SVOs, Phosphate

5. Metals, SVOs

6. Metals, SVOs, Phosphate

7. Metals, SVOs



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 14, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102843
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/24/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Dan Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
501B-SS1_0.5-0.5	1102843-01	Soil	06/23/11 07:45	06/24/11 16:10
501B-SS2_0.5-0.5	1102843-02	Soil	06/23/11 08:15	06/24/11 16:10
501A-SS1_0.5-0.5	1102843-03	Soil	06/23/11 08:45	06/24/11 16:10
113B-SS1_0.5-0.5	1102843-04	Soil	06/23/11 09:00	06/24/11 16:10
113B-SS2_0.5-0.5	1102843-05	Soil	06/23/11 09:30	06/24/11 16:10
113B-SS3_0.5-0.5	1102843-06	Soil	06/23/11 10:00	06/24/11 16:10
M-5_0.5-0.5	1102843-07	Soil	06/23/11 00:00	06/24/11 16:10
M-6_0.5-0.5	1102843-08	Soil	06/23/11 00:00	06/24/11 16:10
208C-SS1_0.5-0.5	1102843-09	Soil	06/23/11 12:30	06/24/11 16:10
208C-SS2_0.5-0.5	1102843-10	Soil	06/23/11 13:00	06/24/11 16:10
501E1-SS1_0.5-0.5	1102843-11	Soil	06/23/11 13:30	06/24/11 16:10
209A-SS1_0.5-0.5	1102843-12	Soil	06/23/11 14:00	06/24/11 16:10
209A-SS2_0.5-0.5	1102843-13	Soil	06/23/11 14:30	06/24/11 16:10

Shipping Container Information		
Default Cooler	Temperature (°C): 5.2	
Received on ice: Yes	Temperature blank was present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: No		

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Recovery for the 8270 matrix spike compound fluorene was below laboratory limits in the batch B1F2802 MS. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS/MSD.

Recovery for the 8270 surrogate phenol-d6 was above limits in the sample 113B-SS2_0.5-0.5.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501B-SS1_0.5-0.5 (1102843-01) Soil Sampled: 06/23/11 07:45 Received: 06/24/11 16:10										
Arsenic	6.4	0.67	0.073	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	140	1.3	0.080	mg/kg dry	1	"	"	"	"	
Cadmium	<0.33	0.33	0.044	mg/kg dry	1	"	"	"	"	
Chromium	17	0.67	0.016	mg/kg dry	1	"	"	"	"	
Lead	14	1.3	0.19	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1F3013	06/30/11	07/01/11	EPA 7471A	
Selenium	<1.3	1.3	0.13	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.33	0.33	0.021	mg/kg dry	1	"	"	"	"	
501B-SS2_0.5-0.5 (1102843-02) Soil Sampled: 06/23/11 08:15 Received: 06/24/11 16:10										
Arsenic	5.9	0.59	0.065	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	110	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.039	mg/kg dry	1	"	"	"	"	
Chromium	15	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	14	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.024	mg/kg dry	1	B1F3013	06/30/11	07/01/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
501A-SS1_0.5-0.5 (1102843-03) Soil Sampled: 06/23/11 08:45 Received: 06/24/11 16:10										
Arsenic	6.1	0.60	0.066	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	100	1.2	0.072	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	15	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	10	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1F3013	06/30/11	07/01/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
113B-SS1_0.5-0.5 (1102843-04) Soil Sampled: 06/23/11 09:00 Received: 06/24/11 16:10										
Arsenic	5.9	0.62	0.068	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	100	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	17	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	13	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1F3013	06/30/11	07/01/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
113B-SS2_0.5-0.5 (1102843-05) Soil Sampled: 06/23/11 09:30 Received: 06/24/11 16:10										
Arsenic	7.1	0.63	0.070	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-SS2_0.5-0.5 (1102843-05) Soil Sampled: 06/23/11 09:30 Received: 06/24/11 16:10										
Barium	94	1.3	0.076	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Cadmium	<0.32	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	19	0.63	0.015	mg/kg dry	1	"	"	"	"	
Lead	11	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.13	0.13	0.024	mg/kg dry	1	B1F3013	06/30/11	07/01/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.32	0.32	0.020	mg/kg dry	1	"	"	"	"	
113B-SS3_0.5-0.5 (1102843-06) Soil Sampled: 06/23/11 10:00 Received: 06/24/11 16:10										
Arsenic	4.6	0.59	0.065	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	75	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	16	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	23	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1F3013	06/30/11	07/01/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
M-6_0.5-0.5 (1102843-08) Soil Sampled: 06/23/11 00:00 Received: 06/24/11 16:10										
Arsenic	6.2	0.60	0.066	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	110	1.2	0.072	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	15	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	8.8	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1F3013	06/30/11	07/01/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
208C-SS1_0.5-0.5 (1102843-09) Soil Sampled: 06/23/11 12:30 Received: 06/24/11 16:10										
Arsenic	5.8	0.62	0.069	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	94	1.2	0.075	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	16	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	29	1.2	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1F3013	06/30/11	07/01/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
208C-SS2_0.5-0.5 (1102843-10) Soil Sampled: 06/23/11 13:00 Received: 06/24/11 16:10										
Arsenic	3.1	0.56	0.061	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	46	1.1	0.067	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208C-SS2_0.5-0.5 (1102843-10) Soil Sampled: 06/23/11 13:00 Received: 06/24/11 16:10										
Cadmium	0.49	0.28	0.037	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Chromium	12	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	23	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	0.16	0.11	0.021	mg/kg dry	1	B1F3013	06/30/11	07/01/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
501E1-SS1_0.5-0.5 (1102843-11) Soil Sampled: 06/23/11 13:30 Received: 06/24/11 16:10										
Arsenic	3.9	0.66	0.073	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	65	1.3	0.079	mg/kg dry	1	"	"	"	"	
Cadmium	0.81	0.33	0.044	mg/kg dry	1	"	"	"	"	
Chromium	12	0.66	0.016	mg/kg dry	1	"	"	"	"	
Lead	340	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1F3013	06/30/11	07/01/11	EPA 7471A	
Selenium	<1.3	1.3	0.13	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.33	0.33	0.021	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501B-SS1_0.5-0.5 (1102843-01) Soil Sampled: 06/23/11 07:45 Received: 06/24/11 16:10										
Aroclor 1016	<0.27	0.27	0.011	mg/kg dry	1	B1F2908	06/29/11	06/29/11	EPA 8082	
Aroclor 1221	<0.27	0.27	0.027	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.27	0.27	0.031	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.27	0.27	0.013	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.27	0.27	0.053	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.27	0.27	0.053	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.27	0.27	0.0079	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	82.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	102			60.9-138 %		"	"	"	"	
501B-SS2_0.5-0.5 (1102843-02RE1) Soil Sampled: 06/23/11 08:15 Received: 06/24/11 16:10										
Aroclor 1016	<0.25	0.25	0.0099	mg/kg dry	1	B1G0725	06/29/11	07/08/11	EPA 8082	
Aroclor 1221	<0.25	0.25	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.25	0.25	0.029	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.25	0.25	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.25	0.25	0.050	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.25	0.25	0.050	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.25	0.25	0.0074	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	92.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	110			60.9-138 %		"	"	"	"	
501A-SS1_0.5-0.5 (1102843-03) Soil Sampled: 06/23/11 08:45 Received: 06/24/11 16:10										
Aroclor 1016	<0.24	0.24	0.0095	mg/kg dry	1	B1F2908	06/29/11	06/29/11	EPA 8082	
Aroclor 1221	<0.24	0.24	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.24	0.24	0.028	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.24	0.24	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.24	0.24	0.048	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.24	0.24	0.048	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.24	0.24	0.0071	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	85.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	97.0			60.9-138 %		"	"	"	"	
M-5_0.5-0.5 (1102843-07) Soil Sampled: 06/23/11 00:00 Received: 06/24/11 16:10										
Aroclor 1016	<0.27	0.27	0.011	mg/kg dry	1	B1F2908	06/29/11	06/30/11	EPA 8082	
Aroclor 1221	<0.27	0.27	0.027	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.27	0.27	0.031	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.27	0.27	0.014	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.27	0.27	0.054	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.27	0.27	0.054	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.27	0.27	0.0080	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	85.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	103			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-6_0.5-0.5 (1102843-08) Soil Sampled: 06/23/11 00:00 Received: 06/24/11 16:10										
Aroclor 1016	<0.24	0.24	0.0095	mg/kg dry	1	B1F2908	06/29/11	06/30/11	EPA 8082	
Aroclor 1221	<0.24	0.24	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.24	0.24	0.028	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.24	0.24	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.24	0.24	0.048	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.24	0.24	0.048	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.24	0.24	0.0071	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	87.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	97.0			60.9-138 %		"	"	"	"	
501E1-SS1_0.5-0.5 (1102843-11) Soil Sampled: 06/23/11 13:30 Received: 06/24/11 16:10										
Aroclor 1016	<0.28	0.28	0.011	mg/kg dry	1	B1F2908	06/29/11	06/30/11	EPA 8082	
Aroclor 1221	<0.28	0.28	0.028	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.28	0.28	0.032	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.28	0.28	0.014	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.28	0.28	0.056	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.28	0.28	0.056	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.28	0.28	0.0082	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	84.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	97.0			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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PERCENT SOLIDS
 Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501B-SS1_0.5-0.5 (1102843-01) Soil	Sampled: 06/23/11 07:45		Received: 06/24/11 16:10							
% Solids	75			%	1	B1F2909	06/29/11	06/29/11	% calculation	
501B-SS2_0.5-0.5 (1102843-02) Soil	Sampled: 06/23/11 08:15		Received: 06/24/11 16:10							
% Solids	80			%	1	B1F2909	06/29/11	06/29/11	% calculation	
501A-SS1_0.5-0.5 (1102843-03) Soil	Sampled: 06/23/11 08:45		Received: 06/24/11 16:10							
% Solids	83			%	1	B1F2909	06/29/11	06/29/11	% calculation	
113B-SS1_0.5-0.5 (1102843-04) Soil	Sampled: 06/23/11 09:00		Received: 06/24/11 16:10							
% Solids	81			%	1	B1F2909	06/29/11	06/29/11	% calculation	
113B-SS2_0.5-0.5 (1102843-05) Soil	Sampled: 06/23/11 09:30		Received: 06/24/11 16:10							
% Solids	79			%	1	B1F2909	06/29/11	06/29/11	% calculation	
113B-SS3_0.5-0.5 (1102843-06) Soil	Sampled: 06/23/11 10:00		Received: 06/24/11 16:10							
% Solids	85			%	1	B1F2909	06/29/11	06/29/11	% calculation	
M-5_0.5-0.5 (1102843-07) Soil	Sampled: 06/23/11 00:00		Received: 06/24/11 16:10							
% Solids	74			%	1	B1F2909	06/29/11	06/29/11	% calculation	
M-6_0.5-0.5 (1102843-08) Soil	Sampled: 06/23/11 00:00		Received: 06/24/11 16:10							
% Solids	83			%	1	B1F2909	06/29/11	06/29/11	% calculation	
208C-SS1_0.5-0.5 (1102843-09) Soil	Sampled: 06/23/11 12:30		Received: 06/24/11 16:10							
% Solids	80			%	1	B1F2909	06/29/11	06/29/11	% calculation	
208C-SS2_0.5-0.5 (1102843-10) Soil	Sampled: 06/23/11 13:00		Received: 06/24/11 16:10							
% Solids	90			%	1	B1F2909	06/29/11	06/29/11	% calculation	
501E1-SS1_0.5-0.5 (1102843-11) Soil	Sampled: 06/23/11 13:30		Received: 06/24/11 16:10							
% Solids	72			%	1	B1F2909	06/29/11	06/29/11	% calculation	
209A-SS1_0.5-0.5 (1102843-12) Soil	Sampled: 06/23/11 14:00		Received: 06/24/11 16:10							
% Solids	94			%	1	B1F2909	06/29/11	06/29/11	% calculation	
209A-SS2_0.5-0.5 (1102843-13) Soil	Sampled: 06/23/11 14:30		Received: 06/24/11 16:10							
% Solids	85			%	1	B1F2909	06/29/11	06/29/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501B-SS1_0.5-0.5 (1102843-01) Soil Sampled: 06/23/11 07:45 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.041	0.44	0.041	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.041	0.44	0.041	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.039	0.44	0.039	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.10	0.89	0.10	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.049	0.89	0.049	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.11	0.89	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.10	0.89	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.89	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.043	0.89	0.043	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.092	0.89	0.092	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.052	0.44	0.052	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.080	0.89	0.080	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.045	0.89	0.045	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.051	0.44	0.051	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.89	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.043	0.89	0.043	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.20	2.1	0.20	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.036	0.44	0.036	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.045	0.89	0.045	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.088	0.89	0.088	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.036	0.89	0.036	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.89	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.051	0.44	0.051	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.055	0.44	0.055	mg/kg dry	1	"	"	"	"	
Aniline	<0.041	0.89	0.041	mg/kg dry	1	"	"	"	"	
Anthracene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
Benzidine	<0.25	3.3	0.25	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.11	0.44	0.055	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.084	0.44	0.056	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.11	0.44	0.057	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.057	0.44	0.057	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501B-SS1_0.5-0.5 (1102843-01) Soil Sampled: 06/23/11 07:45 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.064	0.44	0.064	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
Benzoic acid	<0.032	0.44	0.032	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.13	0.89	0.13	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.064	0.44	0.064	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.056	0.44	0.056	mg/kg dry	1	"	"	"	"	
Carbazole	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
Chrysene	0.11	0.44	0.059	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.057	0.44	0.057	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.041	0.44	0.041	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.040	0.44	0.040	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.059	0.44	0.059	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.064	0.44	0.064	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.25	0.44	0.052	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.040	0.44	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.032	0.44	0.032	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.040	0.44	0.040	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.053	0.44	0.053	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.041	0.44	0.041	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.029	0.44	0.029	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.035	0.44	0.035	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.10	0.89	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.18	0.44	0.048	mg/kg dry	1	"	"	"	"	J
Phenol	<0.092	0.89	0.092	mg/kg dry	1	"	"	"	"	
Pyrene	0.21	0.44	0.055	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	55.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	80.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	88.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	68.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501B-SS2_0.5-0.5 (1102843-02) Soil Sampled: 06/23/11 08:15 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.84	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.094	0.84	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.075	0.84	0.075	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.84	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.082	0.84	0.082	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.84	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.84	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	0.077	0.41	0.045	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.24	3.1	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.20	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.17	0.41	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.22	0.41	0.054	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.084	0.41	0.054	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501B-SS2_0.5-0.5 (1102843-02) Soil Sampled: 06/23/11 08:15 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.10	0.41	0.060	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	J
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	0.045	0.41	0.044	mg/kg dry	1	"	"	"	"	J
Chrysene	0.20	0.41	0.055	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.44	0.41	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.094	0.41	0.050	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.32	0.41	0.045	mg/kg dry	1	"	"	"	"	J
Phenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
Pyrene	0.40	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	70.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	91.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A-SS1_0.5-0.5 (1102843-03) Soil Sampled: 06/23/11 08:45 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.81	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.090	0.81	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.047	0.40	0.047	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.072	0.81	0.072	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.065	0.40	0.043	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.81	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.81	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.81	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.81	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.15	0.40	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.13	0.40	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.18	0.40	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.067	0.40	0.052	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A-SS1_0.5-0.5 (1102843-03) Soil Sampled: 06/23/11 08:45 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.075	0.40	0.058	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	J
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	0.15	0.40	0.053	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.053	0.40	0.053	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.30	0.40	0.047	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.072	0.40	0.048	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	0.042	0.40	0.040	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.40	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.20	0.40	0.043	mg/kg dry	1	"	"	"	"	J
Phenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
Pyrene	0.28	0.40	0.049	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	60.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	59.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	63.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-SS1_0.5-0.5 (1102843-04) Soil Sampled: 06/23/11 09:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-SS1_0.5-0.5 (1102843-04) Soil Sampled: 06/23/11 09:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.059	0.41	0.059	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	81.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	96.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	78.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-SS2_0.5-0.5 (1102843-05) Soil Sampled: 06/23/11 09:30 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
1,2-Dichlorobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.047	0.85	0.047	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.095	0.85	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.076	0.85	0.076	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.85	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.42	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.084	0.85	0.084	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.85	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.85	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.2	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-SS2_0.5-0.5 (1102843-05) Soil Sampled: 06/23/11 09:30 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.061	0.42	0.061	mg/kg dry	1	B1F2802	06/28/11	06/28/11	EPA 8270C	
Benzoic acid	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.051	0.42	0.051	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.42	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.033	0.42	0.033	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Phenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
Pyrene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	79.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	85.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	105			50.4-99.6 %		"	"	"	"	S-GC
Surrogate: Terphenyl-d14	81.3			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00-48RI- 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102843
 Date Reported: 07/14/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-SS3_0.5-0.5 (1102843-06) Soil Sampled: 06/23/11 10:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	



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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-SS3_0.5-0.5 (1102843-06) Soil Sampled: 06/23/11 10:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	64.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	95.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	68.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-5_0.5-0.5 (1102843-07) Soil Sampled: 06/23/11 00:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.042	0.45	0.042	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.042	0.45	0.042	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.039	0.45	0.039	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.11	0.91	0.11	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.050	0.91	0.050	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.11	0.91	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.10	0.91	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.91	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.043	0.91	0.043	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.047	0.45	0.047	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.093	0.91	0.093	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.053	0.45	0.053	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.046	0.45	0.046	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.081	0.91	0.081	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.22	0.45	0.049	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.046	0.91	0.046	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.051	0.45	0.051	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.91	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.043	0.91	0.043	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.20	2.2	0.20	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.036	0.45	0.036	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.046	0.91	0.046	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.089	0.91	0.089	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.036	0.91	0.036	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.046	0.45	0.046	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.13	0.91	0.13	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.84	0.45	0.051	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.055	0.45	0.055	mg/kg dry	1	"	"	"	"	
Aniline	<0.042	0.91	0.042	mg/kg dry	1	"	"	"	"	
Anthracene	1.3	0.45	0.049	mg/kg dry	1	"	"	"	"	
Benzidine	<0.26	3.4	0.26	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	1.6	0.45	0.055	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	1.2	0.45	0.057	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	1.5	0.45	0.058	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.52	0.45	0.058	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-5_0.5-0.5 (1102843-07) Soil Sampled: 06/23/11 00:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.71	0.45	0.065	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
Benzoic acid	<0.032	0.45	0.032	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.13	0.91	0.13	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.046	0.45	0.046	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.047	0.45	0.047	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.046	0.45	0.046	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.065	0.45	0.065	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.057	0.45	0.057	mg/kg dry	1	"	"	"	"	
Carbazole	0.89	0.45	0.047	mg/kg dry	1	"	"	"	"	
Chrysene	1.7	0.45	0.059	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.16	0.45	0.058	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.58	0.45	0.045	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.042	0.45	0.042	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.041	0.45	0.041	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.059	0.45	0.059	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.065	0.45	0.065	mg/kg dry	1	"	"	"	"	
Fluoranthene	4.4	0.45	0.053	mg/kg dry	1	"	"	"	"	
Fluorene	0.91	0.45	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.041	0.45	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.032	0.45	0.032	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.041	0.45	0.041	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.62	0.45	0.054	mg/kg dry	1	"	"	"	"	
Isophorone	<0.042	0.45	0.042	mg/kg dry	1	"	"	"	"	
Naphthalene	0.41	0.45	0.045	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.030	0.45	0.030	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.035	0.45	0.035	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.11	0.91	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	6.4	0.45	0.049	mg/kg dry	1	"	"	"	"	
Phenol	<0.093	0.91	0.093	mg/kg dry	1	"	"	"	"	
Pyrene	3.6	0.45	0.055	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	64.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	57.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	54.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	75.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-6_0.5-0.5 (1102843-08) Soil Sampled: 06/23/11 00:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.81	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.090	0.81	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.047	0.40	0.047	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.072	0.81	0.072	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.11	0.40	0.043	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.81	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.81	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.81	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.81	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	0.079	0.40	0.043	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.26	0.40	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.22	0.40	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.30	0.40	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.12	0.40	0.052	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-6_0.5-0.5 (1102843-08) Soil Sampled: 06/23/11 00:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.12	0.40	0.058	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	J
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	0.27	0.40	0.053	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.053	0.40	0.053	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.52	0.40	0.047	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.12	0.40	0.048	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	0.073	0.40	0.040	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.40	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.39	0.40	0.043	mg/kg dry	1	"	"	"	"	J
Phenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
Pyrene	0.47	0.40	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	72.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	80.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	90.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	80.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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208C-SS1_0.5-0.5 (1102843-09) Soil Sampled: 06/23/11 12:30 Received: 06/24/11 16:10

1,2,4-Trichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.84	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.094	0.84	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	1.6	0.41	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.075	0.84	0.075	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.84	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.082	0.84	0.082	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.84	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.84	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.1	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.10	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.11	0.41	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.17	0.41	0.054	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.099	0.41	0.054	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208C-SS1_0.5-0.5 (1102843-09) Soil Sampled: 06/23/11 12:30 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.062	0.41	0.060	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	J
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	0.14	0.41	0.055	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.76	0.41	0.055	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.24	0.41	0.049	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.088	0.41	0.050	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.11	0.41	0.045	mg/kg dry	1	"	"	"	"	J
Phenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
Pyrene	0.21	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	70.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	92.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	80.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208C-SS2_0.5-0.5 (1102843-10) Soil Sampled: 06/23/11 13:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	0.48	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.063	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208C-SS2_0.5-0.5 (1102843-10) Soil Sampled: 06/23/11 13:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	0.055	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.66	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.085	0.37	0.043	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	0.057	0.37	0.029	mg/kg dry	1	"	"	"	"	J
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	0.068	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	76.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	89.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	78.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501E1-SS1_0.5-0.5 (1102843-11) Soil Sampled: 06/23/11 13:30 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.043	0.46	0.043	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.046	0.46	0.046	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.050	0.46	0.050	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.043	0.46	0.043	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.040	0.46	0.040	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.11	0.93	0.11	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.051	0.93	0.051	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.11	0.93	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.10	0.93	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.93	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.044	0.93	0.044	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.049	0.46	0.049	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.096	0.93	0.096	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.054	0.46	0.054	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.047	0.46	0.047	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.083	0.93	0.083	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.050	0.46	0.050	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.047	0.93	0.047	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.053	0.46	0.053	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.12	0.93	0.12	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.044	0.93	0.044	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.21	2.2	0.21	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.038	0.46	0.038	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.047	0.93	0.047	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.046	0.46	0.046	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.092	0.93	0.092	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.038	0.93	0.038	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.050	0.46	0.050	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.047	0.46	0.047	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.13	0.93	0.13	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.053	0.46	0.053	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.057	0.46	0.057	mg/kg dry	1	"	"	"	"	
Aniline	<0.043	0.93	0.043	mg/kg dry	1	"	"	"	"	
Anthracene	<0.050	0.46	0.050	mg/kg dry	1	"	"	"	"	
Benzidine	<0.26	3.5	0.26	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.078	0.46	0.057	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.10	0.46	0.058	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.17	0.46	0.060	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.074	0.46	0.060	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501E1-SS1_0.5-0.5 (1102843-11) Soil Sampled: 06/23/11 13:30 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.067	0.46	0.067	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
Benzoic acid	<0.033	0.46	0.033	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.13	0.93	0.13	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.047	0.46	0.047	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.049	0.46	0.049	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.047	0.46	0.047	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.067	0.46	0.067	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.058	0.46	0.058	mg/kg dry	1	"	"	"	"	
Carbazole	<0.049	0.46	0.049	mg/kg dry	1	"	"	"	"	
Chrysene	0.13	0.46	0.061	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.060	0.46	0.060	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.046	0.46	0.046	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.043	0.46	0.043	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.042	0.46	0.042	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.061	0.46	0.061	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.067	0.46	0.067	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.21	0.46	0.054	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.049	0.46	0.049	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.050	0.46	0.050	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.042	0.46	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.033	0.46	0.033	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.042	0.46	0.042	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.064	0.46	0.056	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.043	0.46	0.043	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.046	0.46	0.046	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.046	0.46	0.046	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.031	0.46	0.031	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.046	0.46	0.046	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.036	0.46	0.036	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.11	0.93	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.12	0.46	0.050	mg/kg dry	1	"	"	"	"	J
Phenol	<0.096	0.93	0.096	mg/kg dry	1	"	"	"	"	
Pyrene	0.20	0.46	0.057	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	65.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	85.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	94.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.2			51-99.6 %		"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00-48RI- 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102843
Date Reported: 07/14/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
209A-SS1_0.5-0.5 (1102843-12) Soil Sampled: 06/23/11 14:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
209A-SS1_0.5-0.5 (1102843-12) Soil Sampled: 06/23/11 14:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	78.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	92.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	83.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
209A-SS2_0.5-0.5 (1102843-13) Soil Sampled: 06/23/11 14:30 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
209A-SS2_0.5-0.5 (1102843-13) Soil Sampled: 06/23/11 14:30 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1F2802	06/28/11	06/29/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	72.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	78.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	89.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	77.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
113B-SS1_0.5-0.5 (1102843-04) Soil Sampled: 06/23/11 09:00 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1G0513	07/05/11	07/05/11	EPA 1010A/ASTM D93(M)	
113B-SS2_0.5-0.5 (1102843-05) Soil Sampled: 06/23/11 09:30 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1G0513	07/05/11	07/05/11	EPA 1010A/ASTM D93(M)	
113B-SS3_0.5-0.5 (1102843-06) Soil Sampled: 06/23/11 10:00 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1G0513	07/05/11	07/05/11	EPA 1010A/ASTM D93(M)	
209A-SS2_0.5-0.5 (1102843-13) Soil Sampled: 06/23/11 14:30 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1G0513	07/05/11	07/05/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2923 - EPA 3050B

Blank (B1F2923-BLK1)

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1F2923-BS1)

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	42.3	0.50	0.055	mg/kg wet	39.9		106	80-120			
Barium	42.1	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.6	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	42.4	0.50	0.012	mg/kg wet	39.9		106	80-120			
Lead	41.7	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	42.3	1.0	0.095	mg/kg wet	39.9		106	80-120			
Silver	4.14	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1F2923-BSD1)

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	42.7	0.50	0.055	mg/kg wet	39.9		107	80-120	0.906	20	
Barium	42.6	1.0	0.060	mg/kg wet	39.9		107	80-120	1.25	20	
Cadmium	41.9	0.25	0.033	mg/kg wet	39.9		105	80-120	0.548	20	
Chromium	42.7	0.50	0.012	mg/kg wet	39.9		107	80-120	0.660	20	
Lead	42.1	1.0	0.14	mg/kg wet	39.9		106	80-120	0.924	20	
Selenium	42.7	1.0	0.095	mg/kg wet	39.9		107	80-120	0.987	20	
Silver	4.10	0.25	0.016	mg/kg wet	3.99		103	80-120	0.950	20	

Matrix Spike (B1F2923-MS1)

Source: 1102843-01

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	57.3	0.67	0.073	mg/kg dry	52.0	6.42	97.8	75-125			
Barium	197	1.3	0.080	mg/kg dry	52.0	140	109	75-125			
Cadmium	50.7	0.33	0.044	mg/kg dry	52.0	<0.33	97.0	75-125			
Chromium	69.0	0.67	0.016	mg/kg dry	52.0	16.8	100	75-125			
Lead	61.7	1.3	0.19	mg/kg dry	52.0	14.1	91.4	75-125			
Selenium	51.7	1.3	0.13	mg/kg dry	52.0	<1.3	98.8	75-125			
Silver	4.77	0.33	0.021	mg/kg dry	5.20	<0.33	91.7	75-125			

Matrix Spike Dup (B1F2923-MSD1)

Source: 1102843-01

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	56.8	0.67	0.073	mg/kg dry	51.3	6.42	98.3	75-125	0.840	20	
Barium	197	1.3	0.080	mg/kg dry	51.3	140	111	75-125	0.113	20	
Cadmium	50.1	0.33	0.044	mg/kg dry	51.3	<0.33	97.3	75-125	1.18	20	
Chromium	67.4	0.67	0.016	mg/kg dry	51.3	16.8	98.7	75-125	2.31	20	
Lead	61.7	1.3	0.19	mg/kg dry	51.3	14.1	92.8	75-125	0.0106	20	
Selenium	51.0	1.3	0.13	mg/kg dry	51.3	<1.3	98.8	75-125	1.52	20	



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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2923 - EPA 3050B											
Matrix Spike Dup (B1F2923-MSD1)		Source: 1102843-01				Prepared: 06/29/11		Analyzed: 06/30/11			
Silver	4.74	0.33	0.021	mg/kg dry	5.13	<0.33	92.3	75-125	0.782	20	
Batch B1F3013 - EPA 7471A											
Blank (B1F3013-BLK1)		Prepared: 06/30/11 Analyzed: 07/01/11									
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1F3013-BS1)		Prepared: 06/30/11 Analyzed: 07/01/11									
Mercury	0.182	0.10	0.019	mg/kg wet	0.200		91.0	80-120			
LCS Dup (B1F3013-BSD1)		Prepared: 06/30/11 Analyzed: 07/01/11									
Mercury	0.183	0.10	0.019	mg/kg wet	0.200		91.5	80-120	0.548	20	
Matrix Spike (B1F3013-MS1)		Source: 1102843-01				Prepared: 06/30/11		Analyzed: 07/01/11			
Mercury	0.268	0.13	0.025	mg/kg dry	0.261	<0.13	91.7	75-125			
Matrix Spike Dup (B1F3013-MSD1)		Source: 1102843-01				Prepared: 06/30/11		Analyzed: 07/01/11			
Mercury	0.259	0.12	0.022	mg/kg dry	0.236	<0.12	97.6	75-125	3.32	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2908 - EPA 3545 ASE Extraction

Blank (B1F2908-BLK1)

Prepared & Analyzed: 06/29/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0607			mg/kg wet	0.0667		91.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0607			mg/kg wet	0.0667		91.0	60.9-138			

LCS (B1F2908-BS1)

Prepared & Analyzed: 06/29/11

Aroclor 1260	0.336	0.20	0.0059	mg/kg wet	0.333		101	70-130			
Surrogate: Decachlorobiphenyl	0.0600			mg/kg wet	0.0667		90.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0597			mg/kg wet	0.0667		89.5	60.9-138			

Matrix Spike (B1F2908-MS1)

Source: 1102773-03

Prepared & Analyzed: 06/29/11

Aroclor 1260	0.389	0.20	0.0060	mg/kg dry	0.344	<0.20	104	70-130			
Surrogate: Decachlorobiphenyl	0.0626			mg/kg dry	0.0688		91.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0626			mg/kg dry	0.0688		91.0	60.9-138			

Matrix Spike Dup (B1F2908-MSD1)

Source: 1102773-03

Prepared & Analyzed: 06/29/11

Aroclor 1260	0.361	0.20	0.0060	mg/kg dry	0.344	<0.20	95.7	70-130	7.61	17.2	
Surrogate: Decachlorobiphenyl	0.0598			mg/kg dry	0.0688		87.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0615			mg/kg dry	0.0688		89.5	60.9-138			

Batch B1G0725 - EPA 3545 ASE Extraction

Blank (B1G0725-BLK1)

Prepared: 07/07/11 Analyzed: 07/08/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0680			mg/kg wet	0.0667		102	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0717			mg/kg wet	0.0667		108	60.9-138			

LCS (B1G0725-BS1)

Prepared: 07/07/11 Analyzed: 07/08/11

Aroclor 1260	0.405	0.20	0.0059	mg/kg wet	0.333		122	70-130			
Surrogate: Decachlorobiphenyl	0.0687			mg/kg wet	0.0667		103	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0703			mg/kg wet	0.0667		106	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0725 - EPA 3545 ASE Extraction											
Matrix Spike (B1G0725-MS1)											
Source: 1102843-02RE1 Prepared: 07/07/11 Analyzed: 07/08/11											
Aroclor 1260	0.498	0.25	0.0074	mg/kg dry	0.418	<0.25	119	70-130			
Surrogate: Decachlorobiphenyl	0.0760			mg/kg dry	0.0835		91.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0852			mg/kg dry	0.0835		102	60.9-138			
Matrix Spike Dup (B1G0725-MSD1)											
Source: 1102843-02RE1 Prepared: 07/07/11 Analyzed: 07/08/11											
Aroclor 1260	0.515	0.25	0.0074	mg/kg dry	0.417	<0.25	124	70-130	3.48	17.2	
Surrogate: Decachlorobiphenyl	0.0772			mg/kg dry	0.0834		92.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0905			mg/kg dry	0.0834		108	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2909 - General Preparation											
Duplicate (B1F2909-DUP1)											
% Solids	83.0			%		84.0			1.20	20	
Duplicate (B1F2909-DUP2)											
% Solids	82.0			%		83.0			1.21	20	
Duplicate (B1F2909-DUP3)											
% Solids	82.0			%		85.0			3.59	20	
Duplicate (B1F2909-DUP4)											
% Solids	95.0			%		95.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2802 - EPA 3545 ASE Extraction

Blank (B1F2802-BLK1)

Prepared: 06/28/11 Analyzed: 06/29/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2802 - EPA 3545 ASE Extraction

Blank (B1F2802-BLK1)

Prepared: 06/28/11 Analyzed: 06/29/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	3.76			mg/kg wet	6.67		56.3	53-107			
Surrogate: 2-Fluorobiphenyl	3.66			mg/kg wet	6.67		55.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.70			mg/kg wet	6.67		55.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.32			mg/kg wet	6.67		64.8	48.9-100			
Surrogate: Phenol-d6	4.93			mg/kg wet	6.67		74.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.46			mg/kg wet	6.67		66.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2802 - EPA 3545 ASE Extraction

LCS (B1F2802-BS1)

Prepared: 06/28/11 Analyzed: 06/29/11

1,2,4-Trichlorobenzene	4.02	0.33	0.031	mg/kg wet	6.67		60.2	59.1-87.7			
1,4-Dichlorobenzene	4.04	0.33	0.029	mg/kg wet	6.67		60.7	50.3-72.9			
2,4-Dinitrotoluene	4.37	0.33	0.035	mg/kg wet	6.67		65.5	59.8-82.2			
2-Chlorophenol	4.58	0.67	0.060	mg/kg wet	6.67		68.7	59.7-77.3			
4-Chloro-3-methylphenol	4.34	0.67	0.066	mg/kg wet	6.67		65.1	63.6-80.4			
4-Nitrophenol	4.67	0.67	0.093	mg/kg wet	6.67		70.1	57.3-84.9			
Anthracene	5.30	0.33	0.036	mg/kg wet	6.67		79.5	67.3-88			
Benzo(a)anthracene	5.09	0.33	0.041	mg/kg wet	6.67		76.3	66.5-90.5			
Benzo(a)pyrene	5.30	0.33	0.042	mg/kg wet	6.67		79.6	66.1-89.7			
Chrysene	5.36	0.33	0.044	mg/kg wet	6.67		80.4	65.5-90.5			
Fluoranthene	4.86	0.33	0.039	mg/kg wet	6.67		72.9	66.7-89.9			
Fluorene	4.47	0.33	0.035	mg/kg wet	6.67		67.1	66.2-85.6			
N-Nitrosodi-n-propylamine	4.53	0.33	0.033	mg/kg wet	6.67		67.9	59.4-78			
Pentachlorophenol	4.04	0.67	0.078	mg/kg wet	6.67		60.6	46.7-83.2			
Phenanthrene	5.52	0.33	0.036	mg/kg wet	6.67		82.8	67.5-87.9			
Phenol	4.81	0.67	0.069	mg/kg wet	6.67		72.2	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	3.66			mg/kg wet	6.67		54.9	53-107			
Surrogate: 2-Fluorobiphenyl	3.93			mg/kg wet	6.67		59.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.72			mg/kg wet	6.67		55.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.54			mg/kg wet	6.67		68.1	48.9-100			
Surrogate: Phenol-d6	5.04			mg/kg wet	6.67		75.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.47			mg/kg wet	6.67		67.0	51-99.6			

Matrix Spike (B1F2802-MS1)

Source: 1102775-11

Prepared & Analyzed: 06/28/11

1,2,4-Trichlorobenzene	4.53	0.37	0.034	mg/kg dry	7.43	<0.37	60.9	44.8-97.9			
1,4-Dichlorobenzene	4.42	0.37	0.032	mg/kg dry	7.43	<0.37	59.5	42.3-77.9			
2,4-Dinitrotoluene	4.65	0.37	0.039	mg/kg dry	7.43	<0.37	62.6	57.3-86.6			
2-Chlorophenol	4.70	0.74	0.067	mg/kg dry	7.43	<0.74	63.2	43.3-93.2			
4-Chloro-3-methylphenol	4.55	0.74	0.073	mg/kg dry	7.43	<0.74	61.2	47.1-97.6			
4-Nitrophenol	4.33	0.74	0.10	mg/kg dry	7.43	<0.74	58.2	49.3-96.2			
Anthracene	5.46	0.37	0.040	mg/kg dry	7.43	<0.37	73.5	67.5-93.1			
Benzo(a)anthracene	5.52	0.37	0.046	mg/kg dry	7.43	<0.37	74.2	59.8-95.7			
Benzo(a)pyrene	5.39	0.37	0.047	mg/kg dry	7.43	<0.37	72.6	59.8-92.7			
Chrysene	5.70	0.37	0.049	mg/kg dry	7.43	<0.37	76.7	62.5-94.6			
Fluoranthene	5.00	0.37	0.043	mg/kg dry	7.43	<0.37	66.2	61.3-92.8			
Fluorene	4.59	0.37	0.039	mg/kg dry	7.43	<0.37	61.8	62.8-92.6			M2
N-Nitrosodi-n-propylamine	5.22	0.37	0.037	mg/kg dry	7.43	<0.37	70.2	46.9-89.9			
Pentachlorophenol	4.77	0.74	0.087	mg/kg dry	7.43	<0.74	64.2	40.1-95.1			
Phenanthrene	5.66	0.37	0.040	mg/kg dry	7.43	<0.37	75.1	65.2-92.2			
Phenol	4.93	0.74	0.077	mg/kg dry	7.43	<0.74	66.3	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2802 - EPA 3545 ASE Extraction

Matrix Spike (B1F2802-MS1)

Source: 1102775-11

Prepared & Analyzed: 06/28/11

Surrogate: 2,4,6-Tribromophenol	4.43			mg/kg dry	7.43		59.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.38			mg/kg dry	7.43		59.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.20			mg/kg dry	7.43		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.20			mg/kg dry	7.43		69.9	48.9-100			
Surrogate: Phenol-d6	5.51			mg/kg dry	7.43		74.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.18			mg/kg dry	7.43		69.7	51-99.6			

Matrix Spike Dup (B1F2802-MSD1)

Source: 1102775-11

Prepared & Analyzed: 06/28/11

1,2,4-Trichlorobenzene	4.83	0.37	0.034	mg/kg dry	7.46	<0.37	64.7	44.8-97.9	6.38	19.6	
1,4-Dichlorobenzene	4.62	0.37	0.032	mg/kg dry	7.46	<0.37	62.0	42.3-77.9	4.40	22.4	
2,4-Dinitrotoluene	4.86	0.37	0.039	mg/kg dry	7.46	<0.37	65.2	57.3-86.6	4.48	19.5	
2-Chlorophenol	5.01	0.74	0.067	mg/kg dry	7.46	<0.74	67.2	43.3-93.2	6.39	23.7	
4-Chloro-3-methylphenol	4.89	0.74	0.073	mg/kg dry	7.46	<0.74	65.6	47.1-97.6	7.21	18.3	
4-Nitrophenol	4.77	0.74	0.10	mg/kg dry	7.46	<0.74	64.0	49.3-96.2	9.69	20.4	
Anthracene	5.79	0.37	0.040	mg/kg dry	7.46	<0.37	77.6	67.5-93.1	5.77	19.9	
Benzo(a)anthracene	5.80	0.37	0.046	mg/kg dry	7.46	<0.37	77.8	59.8-95.7	5.06	23.4	
Benzo(a)pyrene	5.74	0.37	0.047	mg/kg dry	7.46	<0.37	77.0	59.8-92.7	6.29	21.1	
Chrysene	6.04	0.37	0.049	mg/kg dry	7.46	<0.37	81.0	62.5-94.6	5.73	24.8	
Fluoranthene	5.27	0.37	0.043	mg/kg dry	7.46	<0.37	69.6	61.3-92.8	5.28	21.8	
Fluorene	4.87	0.37	0.039	mg/kg dry	7.46	<0.37	65.2	62.8-92.6	5.83	17.6	
N-Nitrosodi-n-propylamine	5.43	0.37	0.037	mg/kg dry	7.46	<0.37	72.8	46.9-89.9	3.92	18.9	
Pentachlorophenol	5.28	0.74	0.087	mg/kg dry	7.46	<0.74	70.7	40.1-95.1	10.0	19.7	
Phenanthrene	5.94	0.37	0.040	mg/kg dry	7.46	<0.37	78.6	65.2-92.2	4.76	20.5	
Phenol	5.28	0.74	0.077	mg/kg dry	7.46	<0.74	70.8	44.7-91	6.97	17.9	
Surrogate: 2,4,6-Tribromophenol	4.82			mg/kg dry	7.46		64.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.64			mg/kg dry	7.46		62.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.48			mg/kg dry	7.46		60.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.39			mg/kg dry	7.46		72.3	48.9-100			
Surrogate: Phenol-d6	5.98			mg/kg dry	7.46		80.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.37			mg/kg dry	7.46		72.0	51-99.6			



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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0513 - General Prep											
Duplicate (B1G0513-DUP1)		Source: 1102843-04				Prepared & Analyzed: 07/05/11					
Flashpoint	>140			°F		>140				5	
Reference (B1G0513-SRM1)											
Flashpoint	78.0			°F	78.0		100	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI- 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102843 Date Reported: 07/14/11
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Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.

J Parameter was present between the MDL and RL and should be considered an estimated value

< Less than value listed

dry Sample results reported on a dry weight basis

NA Not applicable. The %RPD is not calculated from values less than the reporting limit.

MDL Method Detection Limit

RL Reporting Limit

RPD Relative Percent Difference

LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)

MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

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COC Number	Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	VOCs (HCl) #1	VOCs (unpreserved) #2	Total Metals (HNO ₃)	Dissolved Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	Number of Containers/Preservative							COC of	
							Water	Soil									VOCs (tared MeOH) #1	GRQ, BTEX (tared MeOH) #1	DRG (tared unpreserved)	Metals (unpreserved) #2	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)	Flashpoint		Total Number Of Containers
1. 501B-SS1		0.5	0.5	ft	06/23/2011	07:45	X	X	X									X	X	X	X	X	4	ANALYZE SVOCS, PCBs, RORA METALS	Project Manager: JME
2. 501B-SS2		0.5	0.5	ft		08:15	X	X	X									X	X	X	X	X	4	ANALYZE SVOCS, PCBs, RORA METALS	Project OC Contact: AAN
3. 501A-SS1						08:45	X	X	X									X	X	X	X	X	4	ANALYZE SVOCS, PCBs, RORA METALS	Sampled by: KCB + AMB
4. 113B-SS1						09:00	X	X	X									X	X	X	X	X	4	ANALYZE SVOCS, PCBs, METALS, FLASHPOINT	Laboratory: Legend
5. 113B-SS2						09:30	X	X	X									X	X	X	X	X	4		
6. 113B-SS3						10:00	X	X	X									X	X	X	X	X	6		
7. M-5							X	X	X									X	X	X	X	X	3	ANALYZE SVOCS, PCBs	
8. M-6							X	X	X									X	X	X	X	X	4	ANALYZE SVOCS, PCBs, RORA METALS	
9. 2086-SS1						12:30	X	X	X									X	X	X	X	X	3	ANALYZE SVOCS, RORA METALS	
10. 2086-SS2						13:00	X	X	X									X	X	X	X	X	3	ANALYZE SVOCS, RORA METALS	

Relinquished By: <i>[Signature]</i>	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Date: 6-24-11	Time: 1700	Received by: <i>[Signature]</i>	Date: 6/24/11	Time: 16:10
Relinquished By:	On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Date:	Time:	Received by: <i>[Signature]</i>	Date:	Time:
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler				Air Bill Number:		

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8560 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
S. 200 Ice Bubble RR

H:\RLG\STDFORMS\Chain Of Custody Form 2009 RLG Rev. 09/01/09

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

BARR

1102843

Project Number: 2319-1092.00-48RI-510

Project Name: WMore East - ABC Line

Sample Origination State: IL (use two letter postal state abbreviation)

COC Number: **NO 34312**

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type
						Water	Soil	Grab	
1. 501E1-SS1	0.5	0.5	ft	06/23/2011	13:30	X	X	X	QC
2. 209A-SS1	0.5	0.5	ft	06/23/2011	14:00	X	X	X	Comp
3. 209A-SS2	0.5	0.5	ft	↓	14:30	X	X	X	Comp
4.									
5.									
6.									
7.									
8.									
9.									
10.									

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
 S.2 Ice DR Bubble

Number of Containers/Preservative		COC of _____	
Water	Soil	Project Manager: <u>JMG</u>	Date: <u>6/24/11</u>
VOCs (HCl) #1	VOCs (tared MeOH) #1	Project QC Contact: <u>AAN</u>	Date: _____
Dissolved Metals (HNO ₃)	GRO, BTEX (tared MeOH) #1	Sampled by: <u>KCB+AMB</u>	Date: _____
Total Metals (HNO ₃)	DRO (tared unpreserved)	Laboratory: <u>Legend</u>	Date: _____
General (unpreserved) #3	Metals (unpreserved)		Date: _____
Diesel Range Organics (HCl)	SVOCS (unpreserved) #2		Date: _____
Nutrients (H ₂ SO ₄) #4	% Solids (plastic vial, unpres.)		Date: _____
	Flashpoint		Date: _____
	Total Number Of Containers		Date: _____

Relinquished By: [Signature]
 Relinquished By: _____
 Samples Shipped Via: Air Freight Federal Express Sampler Other: _____
 Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

H:\RLG\STDFORMS\Chain of Custody Form 2009 RLG Rev. 09/01/09



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 11, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102846
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/24/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Dan Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
229T-TT1_0.5-0.5	1102846-01	Soil	06/22/11 08:40	06/24/11 16:10
230T-TT1_1.5-1.5	1102846-02	Soil	06/22/11 08:55	06/24/11 16:10
24T-TT1_3-3	1102846-03	Soil	06/22/11 09:15	06/24/11 16:10
16T-TT2_1-1	1102846-04	Soil	06/22/11 09:45	06/24/11 16:10
16T-TT1_0.5-0.5	1102846-05	Soil	06/22/11 10:00	06/24/11 16:10
14T-TT1_0.5-0.5	1102846-06	Soil	06/22/11 10:30	06/24/11 16:10
MSA-TC4-TT1_0.5-0.5	1102846-07	Soil	06/22/11 11:00	06/24/11 16:10
Trip Blank	1102846-08	Methanol	06/22/11 00:00	06/24/11 16:10
209T-TT1_0.5-0.5	1102846-09	Soil	06/22/11 12:15	06/24/11 16:10
209T-TT2_7-7	1102846-10	Soil	06/22/11 12:40	06/24/11 16:10

Shipping Container Information

Default Cooler Temperature (°C): 5.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

Recovery for the 8270 matrix spike compound phenanthrene was above laboratory limits in the batch B1F2912 MS. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS/MSD.

Recovery for the 8270 matrix spike compound anthracene was below laboratory limits in the batch B1F3010 MSD. The MS/MSD source sample was 16T-TT1_0.5-0.5. All target analytes were within limits in the LCS/MS.

Methylene chloride was detected in the method blank between the MDL and RL for 8260 batch B1F3019. Samples with methylene chloride detections less than or equal to 10 times the blank contamination are qualified.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
229T-TT1_0.5-0.5 (1102846-01) Soil Sampled: 06/22/11 08:40 Received: 06/24/11 16:10										
Arsenic	4.5	0.58	0.064	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	74	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	12	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	14	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
230T-TT1_1.5-1.5 (1102846-02) Soil Sampled: 06/22/11 08:55 Received: 06/24/11 16:10										
Arsenic	5.8	0.62	0.068	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	100	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	17	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	7.9	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
24T-TT1_3-3 (1102846-03) Soil Sampled: 06/22/11 09:15 Received: 06/24/11 16:10										
Arsenic	5.3	0.56	0.062	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	63	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	12	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	5.5	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
16T-TT2_1-1 (1102846-04) Soil Sampled: 06/22/11 09:45 Received: 06/24/11 16:10										
Arsenic	11	0.62	0.068	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	150	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	16	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	13	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
16T-TT1_0.5-0.5 (1102846-05) Soil Sampled: 06/22/11 10:00 Received: 06/24/11 16:10										
Arsenic	6.9	0.62	0.068	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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16T-TT1_0.5-0.5 (1102846-05) Soil **Sampled: 06/22/11 10:00** **Received: 06/24/11 16:10**

Barium	150	1.2	0.074	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Cadmium	0.36	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	24	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	40	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	

14T-TT1_0.5-0.5 (1102846-06) Soil **Sampled: 06/22/11 10:30** **Received: 06/24/11 16:10**

Arsenic	5.6	0.62	0.069	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	150	1.2	0.075	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	16	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	33	1.2	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.024	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	

MSA-TC4-TT1_0.5-0.5 (1102846-07) Soil **Sampled: 06/22/11 11:00** **Received: 06/24/11 16:10**

Arsenic	3.7	0.55	0.061	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	54	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.036	mg/kg dry	1	"	"	"	"	
Chromium	11	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	9.1	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

209T-TT1_0.5-0.5 (1102846-09) Soil **Sampled: 06/22/11 12:15** **Received: 06/24/11 16:10**

Arsenic	4.2	0.56	0.062	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	63	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	13	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	6.5	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

209T-TT2_7-7 (1102846-10) Soil **Sampled: 06/22/11 12:40** **Received: 06/24/11 16:10**

Arsenic	6.0	0.57	0.063	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Barium	67	1.1	0.069	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
209T-TT2_7-7 (1102846-10) Soil Sampled: 06/22/11 12:40 Received: 06/24/11 16:10										
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Chromium	15	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	6.3	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F2923	06/29/11	06/30/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
229T-TT1_0.5-0.5 (1102846-01) Soil Sampled: 06/22/11 08:40 Received: 06/24/11 16:10										
% Solids	86			%	1	B1F3008	06/30/11	06/30/11	% calculation	
230T-TT1_1.5-1.5 (1102846-02) Soil Sampled: 06/22/11 08:55 Received: 06/24/11 16:10										
% Solids	81			%	1	B1F3008	06/30/11	06/30/11	% calculation	
24T-TT1_3-3 (1102846-03) Soil Sampled: 06/22/11 09:15 Received: 06/24/11 16:10										
% Solids	89			%	1	B1F3008	06/30/11	06/30/11	% calculation	
16T-TT2_1-1 (1102846-04) Soil Sampled: 06/22/11 09:45 Received: 06/24/11 16:10										
% Solids	81			%	1	B1F3008	06/30/11	06/30/11	% calculation	
16T-TT1_0.5-0.5 (1102846-05) Soil Sampled: 06/22/11 10:00 Received: 06/24/11 16:10										
% Solids	81			%	1	B1F3008	06/30/11	06/30/11	% calculation	
14T-TT1_0.5-0.5 (1102846-06) Soil Sampled: 06/22/11 10:30 Received: 06/24/11 16:10										
% Solids	80			%	1	B1F3008	06/30/11	06/30/11	% calculation	
MSA-TC4-TT1_0.5-0.5 (1102846-07) Soil Sampled: 06/22/11 11:00 Received: 06/24/11 16:10										
% Solids	86			%	1	B1F3008	06/30/11	06/30/11	% calculation	
209T-TT1_0.5-0.5 (1102846-09) Soil Sampled: 06/22/11 12:15 Received: 06/24/11 16:10										
% Solids	89			%	1	B1F3008	06/30/11	06/30/11	% calculation	
209T-TT2_7-7 (1102846-10) Soil Sampled: 06/22/11 12:40 Received: 06/24/11 16:10										
% Solids	87			%	1	B1F3008	06/30/11	06/30/11	% calculation	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102846
 Date Reported: 07/11/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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229T-TT1_0.5-0.5 (1102846-01) Soil Sampled: 06/22/11 08:40 Received: 06/24/11 16:10

1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1F2912	06/29/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.048	0.38	0.044	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	0.10	0.38	0.042	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.18	0.38	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.13	0.38	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.15	0.38	0.050	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.056	0.38	0.050	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102846
Date Reported: 07/11/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
229T-TT1_0.5-0.5 (1102846-01) Soil Sampled: 06/22/11 08:40 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.082	0.38	0.056	mg/kg dry	1	B1F2912	06/29/11	06/29/11	EPA 8270C	J
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	0.044	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Chrysene	0.18	0.38	0.051	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.44	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	0.049	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.063	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.51	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	0.38	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	74.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	62.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	86.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	83.2			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102846
 Date Reported: 07/11/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
230T-TT1_1.5-1.5 (1102846-02) Soil Sampled: 06/22/11 08:55 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1F2912	06/29/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.15	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.13	0.41	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.16	0.41	0.053	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.068	0.41	0.053	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
230T-TT1_1.5-1.5 (1102846-02) Soil Sampled: 06/22/11 08:55 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.085	0.41	0.059	mg/kg dry	1	B1F2912	06/29/11	06/29/11	EPA 8270C	J
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	0.16	0.41	0.054	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.28	0.41	0.048	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.069	0.41	0.049	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.15	0.41	0.044	mg/kg dry	1	"	"	"	"	J
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	0.26	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	74.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	86.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	80.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
24T-TT1_3-3 (1102846-03) Soil Sampled: 06/22/11 09:15 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1F2912	06/29/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.096	0.37	0.040	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.058	0.37	0.043	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	0.13	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.42	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.34	0.37	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.46	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.18	0.37	0.048	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
24T-TT1_3-3 (1102846-03) Soil Sampled: 06/22/11 09:15 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.23	0.37	0.054	mg/kg dry	1	B1F2912	06/29/11	06/29/11	EPA 8270C	J
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	0.070	0.37	0.039	mg/kg dry	1	"	"	"	"	J
Chrysene	0.47	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.044	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.91	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	0.057	0.37	0.039	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.19	0.37	0.045	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	0.070	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.75	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.83	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	75.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	88.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	82.7			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102846
 Date Reported: 07/11/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
16T-TT2_1-1 (1102846-04) Soil Sampled: 06/22/11 09:45 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1F2912	06/29/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
16T-TT2_1-1 (1102846-04) Soil Sampled: 06/22/11 09:45 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.059	0.41	0.059	mg/kg dry	1	B1F2912	06/29/11	07/01/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	98.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	76.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
16T-TT1_0.5-0.5 (1102846-05) Soil Sampled: 06/22/11 10:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	M2
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
16T-TT1_0.5-0.5 (1102846-05) Soil Sampled: 06/22/11 10:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.059	0.41	0.059	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	77.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	89.9			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102846
 Date Reported: 07/11/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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14T-TT1_0.5-0.5 (1102846-06) Soil Sampled: 06/22/11 10:30 Received: 06/24/11 16:10

1,2,4-Trichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.84	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.094	0.84	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.075	0.84	0.075	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.84	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.082	0.84	0.082	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.84	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.84	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.1	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102846
 Date Reported: 07/11/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
14T-TT1_0.5-0.5 (1102846-06) Soil Sampled: 06/22/11 10:30 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.060	0.41	0.060	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.050	0.41	0.050	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Phenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	72.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	78.8			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102846
 Date Reported: 07/11/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MSA-TC4-TT1_0.5-0.5 (1102846-07) Soil Sampled: 06/22/11 11:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MSA-TC4-TT1_0.5-0.5 (1102846-07) Soil Sampled: 06/22/11 11:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.056	0.38	0.056	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	75.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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209T-TT1_0.5-0.5 (1102846-09) Soil Sampled: 06/22/11 12:15 Received: 06/24/11 16:10

1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
209T-TT1_0.5-0.5 (1102846-09) Soil Sampled: 06/22/11 12:15 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.068	0.37	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.056	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.067	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	65.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	59.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	54.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	60.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	60.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	73.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
209T-TT2_7-7 (1102846-10) Soil Sampled: 06/22/11 12:40 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
209T-TT2_7-7 (1102846-10) Soil Sampled: 06/22/11 12:40 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.046	0.38	0.046	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	73.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	85.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
230T-TT1_1.5-1.5 (1102846-02) Soil Sampled: 06/22/11 08:55 Received: 06/24/11 16:10										
1,1,1,2-Tetrachloroethane	<0.077	0.33	0.077	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1,1-Trichloroethane	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.089	0.33	0.089	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.080	0.65	0.080	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.035	0.65	0.035	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.090	0.65	0.090	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.078	0.65	0.078	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.12	2.6	0.12	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.018	0.33	0.018	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
Acetone	<0.25	2.6	0.25	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.076	0.65	0.076	mg/kg dry	1	"	"	"	"	
Benzene	<0.020	0.33	0.020	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bromoform	<0.035	0.65	0.035	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.14	0.65	0.14	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.025	0.33	0.025	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Chloroform	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.080	0.33	0.080	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
230T-TT1_1.5-1.5 (1102846-02) Soil Sampled: 06/22/11 08:55 Received: 06/24/11 16:10										
cis-1,3-Dichloropropene	<0.029	0.33	0.029	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
Dibromochloromethane	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.13	0.65	0.13	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.050	0.33	0.050	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.050	0.65	0.050	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.014	0.33	0.014	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.090	1.3	0.090	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.025	0.33	0.025	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.061	0.65	0.061	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.11	0.65	0.11	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.021	0.33	0.021	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.34	1.3	0.076	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.072	0.65	0.072	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.018	0.33	0.018	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
Styrene	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.037	0.33	0.037	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.16	2.6	0.16	mg/kg dry	1	"	"	"	"	
Toluene	<0.021	0.33	0.021	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.054	0.33	0.054	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.046	0.33	0.046	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.085	0.33	0.085	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.4			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	91.4			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	88.6			78.1-125 %		"	"	"	"	

Trip Blank (1102846-08) Methanol Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Trip Blank (1102846-08) Methanol Sampled: 06/22/11 00:00 Received: 06/24/11 16:10

1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1102846-08) Methanol Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	0.19	1.0	0.058	mg/kg wet	1	"	"	"	"	B-01, J
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	90.2			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	90.4			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	89.4			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2923 - EPA 3050B

Blank (B1F2923-BLK1)

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1F2923-BS1)

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	42.3	0.50	0.055	mg/kg wet	39.9		106	80-120			
Barium	42.1	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.6	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	42.4	0.50	0.012	mg/kg wet	39.9		106	80-120			
Lead	41.7	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	42.3	1.0	0.095	mg/kg wet	39.9		106	80-120			
Silver	4.14	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1F2923-BSD1)

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	42.7	0.50	0.055	mg/kg wet	39.9	6.42	107	80-120	0.906	20	
Barium	42.6	1.0	0.060	mg/kg wet	39.9	140	107	80-120	1.25	20	
Cadmium	41.9	0.25	0.033	mg/kg wet	39.9	<0.33	105	80-120	0.548	20	
Chromium	42.7	0.50	0.012	mg/kg wet	39.9	16.8	107	80-120	0.660	20	
Lead	42.1	1.0	0.14	mg/kg wet	39.9	14.1	106	80-120	0.924	20	
Selenium	42.7	1.0	0.095	mg/kg wet	39.9	<1.3	107	80-120	0.987	20	
Silver	4.10	0.25	0.016	mg/kg wet	3.99	<0.33	103	80-120	0.950	20	

Matrix Spike (B1F2923-MS1)

Source: 1102843-01

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	57.3	0.67	0.073	mg/kg dry	52.0	6.42	97.8	75-125			
Barium	197	1.3	0.080	mg/kg dry	52.0	140	109	75-125			
Cadmium	50.7	0.33	0.044	mg/kg dry	52.0	<0.33	97.0	75-125			
Chromium	69.0	0.67	0.016	mg/kg dry	52.0	16.8	100	75-125			
Lead	61.7	1.3	0.19	mg/kg dry	52.0	14.1	91.4	75-125			
Selenium	51.7	1.3	0.13	mg/kg dry	52.0	<1.3	98.8	75-125			
Silver	4.77	0.33	0.021	mg/kg dry	5.20	<0.33	91.7	75-125			

Matrix Spike Dup (B1F2923-MSD1)

Source: 1102843-01

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	56.8	0.67	0.073	mg/kg dry	51.3	6.42	98.3	75-125	0.840	20	
Barium	197	1.3	0.080	mg/kg dry	51.3	140	111	75-125	0.113	20	
Cadmium	50.1	0.33	0.044	mg/kg dry	51.3	<0.33	97.3	75-125	1.18	20	
Chromium	67.4	0.67	0.016	mg/kg dry	51.3	16.8	98.7	75-125	2.31	20	
Lead	61.7	1.3	0.19	mg/kg dry	51.3	14.1	92.8	75-125	0.0106	20	
Selenium	51.0	1.3	0.13	mg/kg dry	51.3	<1.3	98.8	75-125	1.52	20	



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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2923 - EPA 3050B											
Matrix Spike Dup (B1F2923-MSD1)			Source: 1102843-01			Prepared: 06/29/11			Analyzed: 06/30/11		
Silver	4.74	0.33	0.021	mg/kg dry	5.13	<0.33	92.3	75-125	0.782	20	
Batch B1G0101 - EPA 7471A											
Blank (B1G0101-BLK1)						Prepared: 07/01/11			Analyzed: 07/06/11		
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0101-BS1)						Prepared: 07/01/11			Analyzed: 07/06/11		
Mercury	0.209	0.10	0.019	mg/kg wet	0.200		104	80-120			
LCS Dup (B1G0101-BSD1)						Prepared: 07/01/11			Analyzed: 07/06/11		
Mercury	0.204	0.10	0.019	mg/kg wet	0.200		102	80-120	2.42	20	
Matrix Spike (B1G0101-MS1)			Source: 1102846-01			Prepared: 07/01/11			Analyzed: 07/06/11		
Mercury	0.246	0.11	0.021	mg/kg dry	0.219	<0.11	102	75-125			
Matrix Spike Dup (B1G0101-MSD1)			Source: 1102846-01			Prepared: 07/01/11			Analyzed: 07/06/11		
Mercury	0.246	0.11	0.021	mg/kg dry	0.219	<0.11	102	75-125	0.0377	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F3008 - General Preparation											
Duplicate (B1F3008-DUP1)						Source: 1102850-01		Prepared & Analyzed: 06/30/11			
% Solids	93.0			%		93.0			0.00	20	
Duplicate (B1F3008-DUP2)						Source: 1102850-11		Prepared & Analyzed: 06/30/11			
% Solids	93.0			%		93.0			0.00	20	
Duplicate (B1F3008-DUP3)						Source: 1102864-05		Prepared & Analyzed: 06/30/11			
% Solids	76.0			%		77.0			1.31	20	
Duplicate (B1F3008-DUP4)						Source: 1102877-01		Prepared & Analyzed: 06/30/11			
% Solids	88.0			%		89.0			1.13	20	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102846
 Date Reported: 07/11/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2912 - EPA 3545 ASE Extraction

Blank (B1F2912-BLK1)

Prepared: 06/29/11 Analyzed: 06/30/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2912 - EPA 3545 ASE Extraction

Blank (B1F2912-BLK1)

Prepared: 06/29/11 Analyzed: 06/30/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	3.88			mg/kg wet	6.67		58.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.20			mg/kg wet	6.67		63.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.00			mg/kg wet	6.67		60.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.44			mg/kg wet	6.67		66.6	48.9-100			
Surrogate: Phenol-d6	5.03			mg/kg wet	6.67		75.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.81			mg/kg wet	6.67		87.2	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102846
 Date Reported: 07/11/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2912 - EPA 3545 ASE Extraction

LCS (B1F2912-BS1)

Prepared: 06/29/11 Analyzed: 07/01/11

1,2,4-Trichlorobenzene	4.31	0.33	0.031	mg/kg wet	6.67		64.7	59.1-87.7			
1,4-Dichlorobenzene	3.79	0.33	0.029	mg/kg wet	6.67		56.9	50.3-72.9			
2,4-Dinitrotoluene	4.14	0.33	0.035	mg/kg wet	6.67		62.0	59.8-82.2			
2-Chlorophenol	4.40	0.67	0.060	mg/kg wet	6.67		66.1	59.7-77.3			
4-Chloro-3-methylphenol	4.69	0.67	0.066	mg/kg wet	6.67		70.3	63.6-80.4			
4-Nitrophenol	4.32	0.67	0.093	mg/kg wet	6.67		64.9	57.3-84.9			
Anthracene	5.30	0.33	0.036	mg/kg wet	6.67		79.5	67.3-88			
Benzo(a)anthracene	5.30	0.33	0.041	mg/kg wet	6.67		79.5	66.5-90.5			
Benzo(a)pyrene	5.34	0.33	0.042	mg/kg wet	6.67		80.1	66.1-89.7			
Chrysene	5.53	0.33	0.044	mg/kg wet	6.67		82.9	65.5-90.5			
Fluoranthene	4.98	0.33	0.039	mg/kg wet	6.67		74.6	66.7-89.9			
Fluorene	4.46	0.33	0.035	mg/kg wet	6.67		66.9	66.2-85.6			
N-Nitrosodi-n-propylamine	4.45	0.33	0.033	mg/kg wet	6.67		66.7	59.4-78			
Pentachlorophenol	5.31	0.67	0.078	mg/kg wet	6.67		79.7	46.7-83.2			
Phenanthrene	5.40	0.33	0.036	mg/kg wet	6.67		81.0	67.5-87.9			
Phenol	4.74	0.67	0.069	mg/kg wet	6.67		71.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.69			mg/kg wet	6.67		70.4	53-107			
Surrogate: 2-Fluorobiphenyl	3.95			mg/kg wet	6.67		59.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.09			mg/kg wet	6.67		61.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.47			mg/kg wet	6.67		67.1	48.9-100			
Surrogate: Phenol-d6	5.31			mg/kg wet	6.67		79.7	50.4-99.6			
Surrogate: Terphenyl-d14	4.59			mg/kg wet	6.67		68.8	51-99.6			

Matrix Spike (B1F2912-MS1)

Source: 1102840-02

Prepared: 06/29/11 Analyzed: 06/30/11

1,2,4-Trichlorobenzene	4.39	0.35	0.033	mg/kg dry	7.21	<0.35	61.0	44.8-97.9			
1,4-Dichlorobenzene	4.29	0.35	0.031	mg/kg dry	7.21	<0.35	59.6	42.3-77.9			
2,4-Dinitrotoluene	5.35	0.35	0.038	mg/kg dry	7.21	<0.35	74.2	57.3-86.6			
2-Chlorophenol	4.46	0.72	0.065	mg/kg dry	7.21	<0.72	61.9	43.3-93.2			
4-Chloro-3-methylphenol	4.82	0.72	0.071	mg/kg dry	7.21	<0.72	66.9	47.1-97.6			
4-Nitrophenol	5.40	0.72	0.10	mg/kg dry	7.21	<0.72	74.9	49.3-96.2			
Anthracene	6.35	0.35	0.039	mg/kg dry	7.21	<0.35	88.1	67.5-93.1			
Benzo(a)anthracene	6.12	0.35	0.044	mg/kg dry	7.21	<0.35	84.9	59.8-95.7			
Benzo(a)pyrene	6.36	0.35	0.045	mg/kg dry	7.21	<0.35	88.2	59.8-92.7			
Chrysene	6.58	0.35	0.047	mg/kg dry	7.21	<0.35	91.3	62.5-94.6			
Fluoranthene	5.96	0.35	0.042	mg/kg dry	7.21	<0.35	82.7	61.3-92.8			
Fluorene	5.30	0.35	0.038	mg/kg dry	7.21	<0.35	73.6	62.8-92.6			
N-Nitrosodi-n-propylamine	4.69	0.35	0.035	mg/kg dry	7.21	<0.35	65.1	46.9-89.9			
Pentachlorophenol	5.28	0.72	0.084	mg/kg dry	7.21	<0.72	73.3	40.1-95.1			
Phenanthrene	6.65	0.35	0.039	mg/kg dry	7.21	<0.35	92.3	65.2-92.2			
Phenol	4.51	0.72	0.074	mg/kg dry	7.21	<0.72	62.6	44.7-91			M1

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2912 - EPA 3545 ASE Extraction

Matrix Spike (B1F2912-MS1)

Source: 1102840-02

Prepared: 06/29/11

Analyzed: 06/30/11

Surrogate: 2,4,6-Tribromophenol	4.70			mg/kg dry	7.21		65.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.48			mg/kg dry	7.21		62.2	53.9-97.9			
Surrogate: 2-Fluorophenol	3.72			mg/kg dry	7.21		51.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.66			mg/kg dry	7.21		64.7	48.9-100			
Surrogate: Phenol-d6	4.92			mg/kg dry	7.21		68.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.57			mg/kg dry	7.21		77.3	51-99.6			

Matrix Spike Dup (B1F2912-MSD1)

Source: 1102840-02

Prepared: 06/29/11

Analyzed: 06/30/11

1,2,4-Trichlorobenzene	4.37	0.35	0.033	mg/kg dry	7.19	<0.35	60.8	44.8-97.9	0.484	19.6	
1,4-Dichlorobenzene	4.22	0.35	0.031	mg/kg dry	7.19	<0.35	58.8	42.3-77.9	1.67	22.4	
2,4-Dinitrotoluene	5.19	0.35	0.038	mg/kg dry	7.19	<0.35	72.2	57.3-86.6	3.01	19.5	
2-Chlorophenol	4.43	0.72	0.065	mg/kg dry	7.19	<0.72	61.6	43.3-93.2	0.617	23.7	
4-Chloro-3-methylphenol	4.46	0.72	0.071	mg/kg dry	7.19	<0.72	62.1	47.1-97.6	7.73	18.3	
4-Nitrophenol	5.07	0.72	0.10	mg/kg dry	7.19	<0.72	70.5	49.3-96.2	6.26	20.4	
Anthracene	6.16	0.35	0.039	mg/kg dry	7.19	<0.35	85.7	67.5-93.1	3.03	19.9	
Benzo(a)anthracene	5.90	0.35	0.044	mg/kg dry	7.19	<0.35	82.1	59.8-95.7	3.66	23.4	
Benzo(a)pyrene	6.26	0.35	0.045	mg/kg dry	7.19	<0.35	87.1	59.8-92.7	1.49	21.1	
Chrysene	6.33	0.35	0.047	mg/kg dry	7.19	<0.35	88.1	62.5-94.6	3.87	24.8	
Fluoranthene	5.84	0.35	0.042	mg/kg dry	7.19	<0.35	81.3	61.3-92.8	2.00	21.8	
Fluorene	5.08	0.35	0.038	mg/kg dry	7.19	<0.35	70.7	62.8-92.6	4.23	17.6	
N-Nitrosodi-n-propylamine	4.52	0.35	0.035	mg/kg dry	7.19	<0.35	62.9	46.9-89.9	3.71	18.9	
Pentachlorophenol	4.87	0.72	0.084	mg/kg dry	7.19	<0.72	67.8	40.1-95.1	8.13	19.7	
Phenanthrene	6.50	0.35	0.039	mg/kg dry	7.19	<0.35	90.4	65.2-92.2	2.35	20.5	
Phenol	4.42	0.72	0.074	mg/kg dry	7.19	<0.72	61.5	44.7-91	1.95	17.9	
Surrogate: 2,4,6-Tribromophenol	4.31			mg/kg dry	7.19		60.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.38			mg/kg dry	7.19		60.9	53.9-97.9			
Surrogate: 2-Fluorophenol	3.71			mg/kg dry	7.19		51.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.72			mg/kg dry	7.19		65.7	48.9-100			
Surrogate: Phenol-d6	4.81			mg/kg dry	7.19		66.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.38			mg/kg dry	7.19		74.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3010 - EPA 3545 ASE Extraction

Blank (B1F3010-BLK1)

Prepared: 06/30/11 Analyzed: 07/01/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102846
 Date Reported: 07/11/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3010 - EPA 3545 ASE Extraction

Blank (B1F3010-BLK1)

Prepared: 06/30/11 Analyzed: 07/01/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.34			mg/kg wet	6.67		80.1	53-107			
Surrogate: 2-Fluorobiphenyl	5.16			mg/kg wet	6.67		77.4	53.9-97.9			
Surrogate: 2-Fluorophenol	5.11			mg/kg wet	6.67		76.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.04			mg/kg wet	6.67		75.7	48.9-100			
Surrogate: Phenol-d6	5.29			mg/kg wet	6.67		79.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.99			mg/kg wet	6.67		89.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3010 - EPA 3545 ASE Extraction

LCS (B1F3010-BS1)

Prepared: 06/30/11 Analyzed: 07/01/11

1,2,4-Trichlorobenzene	4.39	0.33	0.031	mg/kg wet	6.67		65.8	59.1-87.7			
1,4-Dichlorobenzene	4.26	0.33	0.029	mg/kg wet	6.67		64.0	50.3-72.9			
2,4-Dinitrotoluene	5.15	0.33	0.035	mg/kg wet	6.67		77.2	59.8-82.2			
2-Chlorophenol	4.85	0.67	0.060	mg/kg wet	6.67		72.8	59.7-77.3			
4-Chloro-3-methylphenol	5.07	0.67	0.066	mg/kg wet	6.67		76.0	63.6-80.4			
4-Nitrophenol	4.96	0.67	0.093	mg/kg wet	6.67		74.4	57.3-84.9			
Anthracene	5.54	0.33	0.036	mg/kg wet	6.67		83.0	67.3-88			
Benzo(a)anthracene	5.91	0.33	0.041	mg/kg wet	6.67		88.6	66.5-90.5			
Benzo(a)pyrene	5.61	0.33	0.042	mg/kg wet	6.67		84.2	66.1-89.7			
Chrysene	5.99	0.33	0.044	mg/kg wet	6.67		89.8	65.5-90.5			
Fluoranthene	5.62	0.33	0.039	mg/kg wet	6.67		84.3	66.7-89.9			
Fluorene	5.26	0.33	0.035	mg/kg wet	6.67		78.9	66.2-85.6			
N-Nitrosodi-n-propylamine	4.86	0.33	0.033	mg/kg wet	6.67		72.9	59.4-78			
Pentachlorophenol	4.43	0.67	0.078	mg/kg wet	6.67		66.4	46.7-83.2			
Phenanthrene	5.50	0.33	0.036	mg/kg wet	6.67		82.5	67.5-87.9			
Phenol	4.97	0.67	0.069	mg/kg wet	6.67		74.5	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.79			mg/kg wet	6.67		71.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.93			mg/kg wet	6.67		74.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.79			mg/kg wet	6.67		71.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.80			mg/kg wet	6.67		72.0	48.9-100			
Surrogate: Phenol-d6	5.11			mg/kg wet	6.67		76.7	50.4-99.6			
Surrogate: Terphenyl-d14	5.47			mg/kg wet	6.67		82.0	51-99.6			

Matrix Spike (B1F3010-MS1)

Source: 1102846-05

Prepared: 06/30/11 Analyzed: 07/01/11

1,2,4-Trichlorobenzene	4.98	0.41	0.038	mg/kg dry	8.29	<0.41	60.2	44.8-97.9			
1,4-Dichlorobenzene	4.91	0.41	0.036	mg/kg dry	8.29	<0.41	59.2	42.3-77.9			
2,4-Dinitrotoluene	5.28	0.41	0.043	mg/kg dry	8.29	<0.41	63.7	57.3-86.6			
2-Chlorophenol	5.29	0.83	0.074	mg/kg dry	8.29	<0.83	63.8	43.3-93.2			
4-Chloro-3-methylphenol	5.54	0.83	0.081	mg/kg dry	8.29	<0.83	66.9	47.1-97.6			
4-Nitrophenol	5.25	0.83	0.11	mg/kg dry	8.29	<0.83	63.4	49.3-96.2			
Anthracene	5.86	0.41	0.044	mg/kg dry	8.29	<0.41	70.8	67.5-93.1			
Benzo(a)anthracene	6.04	0.41	0.051	mg/kg dry	8.29	<0.41	72.9	59.8-95.7			
Benzo(a)pyrene	5.66	0.41	0.052	mg/kg dry	8.29	<0.41	68.3	59.8-92.7			
Chrysene	6.21	0.41	0.054	mg/kg dry	8.29	<0.41	75.0	62.5-94.6			
Fluoranthene	5.95	0.41	0.048	mg/kg dry	8.29	<0.41	71.8	61.3-92.8			
Fluorene	5.63	0.41	0.043	mg/kg dry	8.29	<0.41	67.9	62.8-92.6			
N-Nitrosodi-n-propylamine	5.29	0.41	0.041	mg/kg dry	8.29	<0.41	63.8	46.9-89.9			
Pentachlorophenol	5.13	0.83	0.096	mg/kg dry	8.29	<0.83	61.9	40.1-95.1			
Phenanthrene	5.86	0.41	0.044	mg/kg dry	8.29	<0.41	70.7	65.2-92.2			
Phenol	5.29	0.83	0.085	mg/kg dry	8.29	<0.83	63.8	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3010 - EPA 3545 ASE Extraction

Matrix Spike (B1F3010-MS1)

Source: 1102846-05

Prepared: 06/30/11 Analyzed: 07/01/11

Surrogate: 2,4,6-Tribromophenol	5.43			mg/kg dry	8.29		65.6	53-107			
Surrogate: 2-Fluorobiphenyl	5.41			mg/kg dry	8.29		65.3	53.9-97.9			
Surrogate: 2-Fluorophenol	5.22			mg/kg dry	8.29		63.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.42			mg/kg dry	8.29		65.4	48.9-100			
Surrogate: Phenol-d6	5.39			mg/kg dry	8.29		65.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.64			mg/kg dry	8.29		68.1	51-99.6			

Matrix Spike Dup (B1F3010-MSD1)

Source: 1102846-05

Prepared: 06/30/11 Analyzed: 07/01/11

1,2,4-Trichlorobenzene	4.70	0.41	0.038	mg/kg dry	8.29	<0.41	56.7	44.8-97.9	5.81	19.6	
1,4-Dichlorobenzene	4.70	0.41	0.036	mg/kg dry	8.29	<0.41	56.7	42.3-77.9	4.25	22.4	
2,4-Dinitrotoluene	5.00	0.41	0.043	mg/kg dry	8.29	<0.41	60.4	57.3-86.6	5.33	19.5	
2-Chlorophenol	5.15	0.83	0.074	mg/kg dry	8.29	<0.83	62.1	43.3-93.2	2.67	23.7	
4-Chloro-3-methylphenol	5.16	0.83	0.081	mg/kg dry	8.29	<0.83	62.3	47.1-97.6	7.03	18.3	
4-Nitrophenol	5.00	0.83	0.11	mg/kg dry	8.29	<0.83	60.4	49.3-96.2	4.81	20.4	
Anthracene	5.54	0.41	0.044	mg/kg dry	8.29	<0.41	66.8	67.5-93.1	5.65	19.9	M2
Benzo(a)anthracene	5.68	0.41	0.051	mg/kg dry	8.29	<0.41	68.5	59.8-95.7	6.16	23.4	
Benzo(a)pyrene	5.31	0.41	0.052	mg/kg dry	8.29	<0.41	64.1	59.8-92.7	6.35	21.1	
Chrysene	5.76	0.41	0.054	mg/kg dry	8.29	<0.41	69.4	62.5-94.6	7.57	24.8	
Fluoranthene	5.55	0.41	0.048	mg/kg dry	8.29	<0.41	67.0	61.3-92.8	6.87	21.8	
Fluorene	5.26	0.41	0.043	mg/kg dry	8.29	<0.41	63.5	62.8-92.6	6.67	17.6	
N-Nitrosodi-n-propylamine	5.17	0.41	0.041	mg/kg dry	8.29	<0.41	62.3	46.9-89.9	2.33	18.9	
Pentachlorophenol	4.81	0.83	0.096	mg/kg dry	8.29	<0.83	58.1	40.1-95.1	6.24	19.7	
Phenanthrene	5.50	0.41	0.044	mg/kg dry	8.29	<0.41	66.4	65.2-92.2	6.27	20.5	
Phenol	5.11	0.83	0.085	mg/kg dry	8.29	<0.83	61.6	44.7-91	3.48	17.9	
Surrogate: 2,4,6-Tribromophenol	4.96			mg/kg dry	8.29		59.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.00			mg/kg dry	8.29		60.4	53.9-97.9			
Surrogate: 2-Fluorophenol	5.00			mg/kg dry	8.29		60.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.18			mg/kg dry	8.29		62.5	48.9-100			
Surrogate: Phenol-d6	5.21			mg/kg dry	8.29		62.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.13			mg/kg dry	8.29		61.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

Blank (B1F3019-BLK1)

Prepared & Analyzed: 06/30/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

Blank (B1F3019-BLK1)

Prepared & Analyzed: 06/30/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	0.117	1.0	0.058	mg/kg wet							B-02, J
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	44.1			ug/L	50.0		88.1	80-124			
Surrogate: Dibromofluoromethane	45.2			ug/L	50.0		90.5	77.1-123			
Surrogate: Toluene-d8	45.1			ug/L	50.0		90.2	78.1-125			

LCS (B1F3019-BS1)

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.2			ug/L	50.0		100	75-120			
1,1-Dichloroethane	46.1			ug/L	50.0		92.1	79.6-120			
1,1-Dichloroethene	47.8			ug/L	50.0		95.6	78.3-120			
1,3,5-Trimethylbenzene	50.1			ug/L	50.0		100	77-120			
1,4-Dichlorobenzene	51.5			ug/L	50.0		103	75-125			
2-Chlorotoluene	49.9			ug/L	50.0		99.9	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

LCS (B1F3019-BS1)

Prepared & Analyzed: 06/30/11

Benzene	45.6			ug/L	50.0		91.1	80-120			
Bromoform	49.8			ug/L	50.0		99.7	80-120			
Chlorobenzene	50.5			ug/L	50.0		101	80-120			
Chloroform	43.3			ug/L	50.0		86.7	80-120			
Ethylbenzene	50.1			ug/L	50.0		100	80-120			
n-Butylbenzene	52.2			ug/L	50.0		104	75-125			
n-Propylbenzene	50.4			ug/L	50.0		101	75-120			
Toluene	46.4			ug/L	50.0		92.9	80-120			
Trichloroethene	45.8			ug/L	50.0		91.7	80-120			
Vinyl chloride	45.5			ug/L	50.0		90.9	75-130			
Surrogate: 4-Bromofluorobenzene	47.8			ug/L	50.0		95.6	80-124			
Surrogate: Dibromofluoromethane	46.0			ug/L	50.0		92.0	77.1-123			
Surrogate: Toluene-d8	45.7			ug/L	50.0		91.5	78.1-125			

Matrix Spike (B1F3019-MS1)

Source: 1102846-02

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.3			ug/L	50.0	<	101	75-125			
1,1-Dichloroethane	45.2			ug/L	50.0	<	90.5	78.7-123			
1,1-Dichloroethene	46.9			ug/L	50.0	<	93.9	75.8-121			
1,3,5-Trimethylbenzene	49.7			ug/L	50.0	<	99.4	75-120			
1,4-Dichlorobenzene	50.0			ug/L	50.0	<	100	75-125			
2-Chlorotoluene	49.6			ug/L	50.0	<	99.2	75-120			
Benzene	44.0			ug/L	50.0	<	88.0	80-120			
Bromoform	46.7			ug/L	50.0	<	93.4	80-120			
Chlorobenzene	46.3			ug/L	50.0	<	92.7	80-120			
Chloroform	42.4			ug/L	50.0	<	84.7	80-120			
Ethylbenzene	46.6			ug/L	50.0	<	93.3	80-120			
n-Butylbenzene	49.9			ug/L	50.0	<	99.8	73.8-125			
n-Propylbenzene	50.5			ug/L	50.0	<	101	75-120			
Toluene	44.7			ug/L	50.0	<	89.5	80-120			
Trichloroethene	44.1			ug/L	50.0	<	88.2	80-120			
Vinyl chloride	42.7			ug/L	50.0	<	85.4	74.8-130			
Surrogate: 4-Bromofluorobenzene	47.4			ug/L	50.0		94.9	80-124			
Surrogate: Dibromofluoromethane	45.6			ug/L	50.0		91.2	77.1-123			
Surrogate: Toluene-d8	45.8			ug/L	50.0		91.5	78.1-125			

Matrix Spike Dup (B1F3019-MSD1)

Source: 1102846-02

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.8			ug/L	50.0	<	102	75-125	0.895	20	
1,1-Dichloroethane	42.7			ug/L	50.0	<	85.3	78.7-123	5.85	20	
1,1-Dichloroethene	43.0			ug/L	50.0	<	85.9	75.8-121	8.86	20	
1,3,5-Trimethylbenzene	48.9			ug/L	50.0	<	97.8	75-120	1.61	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102846 Date Reported: 07/11/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F3019 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1F3019-MSD1)		Source: 1102846-02			Prepared & Analyzed: 06/30/11						
1,4-Dichlorobenzene	50.6			ug/L	50.0	<	101	75-125	1.11	20	
2-Chlorotoluene	49.5			ug/L	50.0	<	99.1	75-120	0.157	20	
Benzene	44.3			ug/L	50.0	<	88.6	80-120	0.681	20	
Bromoform	46.6			ug/L	50.0	<	93.1	80-120	0.348	20	
Chlorobenzene	46.4			ug/L	50.0	<	92.8	80-120	0.103	20	
Chloroform	41.7			ug/L	50.0	<	83.4	80-120	1.61	20	
Ethylbenzene	47.2			ug/L	50.0	<	94.4	80-120	1.22	20	
n-Butylbenzene	51.1			ug/L	50.0	<	102	73.8-125	2.31	20	
n-Propylbenzene	49.8			ug/L	50.0	<	99.7	75-120	1.24	20	
Toluene	45.5			ug/L	50.0	<	91.0	80-120	1.66	20	
Trichloroethene	44.8			ug/L	50.0	<	89.5	80-120	1.50	20	
Vinyl chloride	41.1			ug/L	50.0	<	82.2	74.8-130	3.86	20	
Surrogate: 4-Bromofluorobenzene	48.4			ug/L	50.0		96.7	80-124			
Surrogate: Dibromofluoromethane	45.6			ug/L	50.0		91.3	77.1-123			
Surrogate: Toluene-d8	45.8			ug/L	50.0		91.6	78.1-125			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102846
Date Reported: 07/11/11

Notes and Definitions

M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
J Parameter was present between the MDL and RL and should be considered an estimated value
B-02 Target analyte was present in the method blank between the MDL and RL.
B-01 Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

1102846

Project Number: 23/19-1092 4801 510
Project Name: WMore East - ABC Line
Sample Origination State: MN (use two letter postal state abbreviation)
COC Number: NO 33922

Location	Start Depth (Depth)	Stop Depth (Depth)	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type			VOCs (HCl) #1	VOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (fared MeOH) #1	GRO, BTEX (fared MeOH) #1	DRO (fared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)	Number of Containers/Preservative	
						Water	Soil	Comp.														Water	Soil
1. 229T-T1	0.5	0.5	ft	06/22/2011	8:40	X	X	X														3	2
2. 230T-T1	1.5	1.5			8:55	X	X	X														4	
3. 24T-T1	3	3			9:15	X	X	X														3	
4. 16T-T1	1	1			9:45	X	X	X														3	
5. 16T-T1	0.5	0.5			10:00	X	X	X														3	
6. 14T-T1	0.5	0.5			10:30	X	X	X														3	
7. MSA-TU-T1	0.5	0.5			11:00	X	X	X														3	
8. Trip Blank	-	-			-																		
9.																							
10.																							

Project Manager: JME
QC Contact: AAN
Sampled by: ADN
Laboratory: Legend

Analyses: 2 SVOCS + 1 PCBRA Metals
4 SVOCS + 1 PCBRA Metals + VOC
3 SVOCS + 1 PCBRA Metals

Relinquished By: [Signature] Date: 6-24-11 Time: 15:00
Received by: [Signature] Date: 6/24/11 Time: 16:10

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TAN

Samples Shipped VIA: Air Freight Federal Express Sampler Other: [Handwritten]

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody 4700 West 77th Street Minneapolis, MN 55435-4803 (952) 832-2600		1102846		COC 2 of 2	
Project Number: 2319-1092.00 48RI 570		Project Manager: JME		Total Number Of Containers	
Project Name: UMore East - DEF Line		Project QC Contact: AAN		VOCs (tared MeOH) #1	
Sample Origin State MN (use two letter postal state abbreviation)		Sampled by: ADN		GRO, BTEX (tared MeOH) #1	
COC Number: NO 33923		Laboratory: Legend		DRO (tared unpreserved)	
Location		Matrix		Metals (unpreserved)	
Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	VOCs (unpreserved) #2
0.5	0.5	ft	06/22/11	12:15	SVOCs (unpreserved) #2
7	7	ft	↓	12:40	% Solids (plastic vial, unpres.)
1. 209T-T11	X	X	X	X	Nutrients (H ₂ SO ₄) #4
2. 209T-T12	X	X	X	X	Diesel Range Organics (HCl)
3.	X	X	X	X	General (unpreserved) #3
4.	X	X	X	X	Total Metals (HNO ₃)
5.	X	X	X	X	Dissolved Metals (HNO ₃)
6.	X	X	X	X	SVOCs (unpreserved) #2
7.	X	X	X	X	VOCs (HCl) #1
8.	X	X	X	X	QC
9.	X	X	X	X	Comp
10.	X	X	X	X	Grab

Relinquished By: [Signature]
 Relinquished By: [Signature]
 Samples Shipped Via: Air Freight Federal Express Sampler Other: ICE 5.2 Bubble PR

Received by: [Signature] Date: 6/24/11 Time: 16:10
 Received by: [Signature] Date: 6/24/11 Time: 15:00

Received by: [Signature] Date: 6/24/11 Time: 16:10
 Received by: [Signature] Date: 6/24/11 Time: 15:00

H:RLG\STDFORMS\Chain Of Custody Form 2009 RLG Rev. 09/01/09



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 18, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102850
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/24/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Bach Pham".

Bach Pham
Report Reviewer
bpham@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
302A-SS1_1-1	1102850-01	Soil	06/22/11 13:00	06/24/11 16:10
302A-SS2_1-1	1102850-02	Soil	06/22/11 13:15	06/24/11 16:10
302A-SS3_1-1	1102850-03	Soil	06/22/11 13:45	06/24/11 16:10
108B-SS4_0.5-0.5	1102850-04	Soil	06/22/11 14:00	06/24/11 16:10
108B-SS5_0.5-0.5	1102850-05	Soil	06/22/11 16:00	06/24/11 16:10
108B-SS2_0.5-0.5	1102850-06	Soil	06/22/11 15:30	06/24/11 16:10
M-3	1102850-07	Soil	06/22/11 00:00	06/24/11 16:10
301ALP-SS1_0.5-0.5	1102850-08	Soil	06/22/11 10:00	06/24/11 16:10
301ALP-SS2_0.5-0.5	1102850-09	Soil	06/22/11 10:15	06/24/11 16:10
303A-SS1_0.5-0.5	1102850-10	Soil	06/22/11 10:30	06/24/11 16:10
303A-SS2_0.5-0.5	1102850-11	Soil	06/22/11 10:45	06/24/11 16:10
303A-SS3_0.5-0.5	1102850-12	Soil	06/22/11 11:00	06/24/11 16:10
303A-SS4_0.5-0.5	1102850-13	Soil	06/22/11 12:15	06/24/11 16:10
303A-SS5_0.5-0.5	1102850-14	Soil	06/22/11 12:30	06/24/11 16:10
M-1	1102850-15	Soil	06/22/11 00:00	06/24/11 16:10
M-2	1102850-16	Soil	06/22/11 00:00	06/24/11 16:10
FB-1	1102850-17	Water	06/22/11 00:00	06/24/11 16:10

Shipping Container Information

Default Cooler Temperature (°C): 5.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint and ethylene and propylene glycol.

Recovery for the 8270 matrix spike compound anthracene was below laboratory limits in the batch B1F3010 MSD. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS/MS.

Recovery for mercury in the MS sample and the corresponding %RPD were above the laboratory control limits. The LCS/LCSD/MSD samples and the LCS/LCSD %RPD were within limits. The MS/MSD source sample was 302A-SS1_1-1

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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GC 8015
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
301ALP-SS1_0.5-0.5 (1102850-08) Soil Sampled: 06/22/11 10:00 Received: 06/24/11 16:10										
Ethylene glycol	<0.65	11	0.65	mg/kg dry	1	B1F2920	06/29/11	06/29/11	EPA 8015B(M)	
Propylene glycol	<0.58	11	0.58	mg/kg dry	1	"	"	"	EPA 8015D(M)	
301ALP-SS2_0.5-0.5 (1102850-09) Soil Sampled: 06/22/11 10:15 Received: 06/24/11 16:10										
Ethylene glycol	<0.70	12	0.70	mg/kg dry	1	B1F2920	06/29/11	06/29/11	EPA 8015B(M)	
Propylene glycol	<0.63	12	0.63	mg/kg dry	1	"	"	"	EPA 8015D(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
302A-SS1_1-1 (1102850-01) Soil Sampled: 06/22/11 13:00 Received: 06/24/11 16:10										
Arsenic	2.3	0.51	0.056	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Barium	25	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.034	mg/kg dry	1	"	"	"	"	
Chromium	7.0	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.8	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	M1, QR-04
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
302A-SS2_1-1 (1102850-02) Soil Sampled: 06/22/11 13:15 Received: 06/24/11 16:10										
Arsenic	1.9	0.50	0.055	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Barium	19	1.0	0.060	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	10	0.50	0.012	mg/kg dry	1	"	"	"	"	
Lead	5.6	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	0.094	0.094	0.018	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.0	1.0	0.095	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
302A-SS3_1-1 (1102850-03) Soil Sampled: 06/22/11 13:45 Received: 06/24/11 16:10										
Arsenic	4.3	0.57	0.062	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Barium	70	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	12	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	17	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	0.49	0.11	0.022	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
108B-SS4_0.5-0.5 (1102850-04) Soil Sampled: 06/22/11 14:00 Received: 06/24/11 16:10										
Arsenic	3.9	0.60	0.066	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Barium	62	1.2	0.072	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	13	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	120	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
108B-SS5_0.5-0.5 (1102850-05) Soil Sampled: 06/22/11 16:00 Received: 06/24/11 16:10										
Arsenic	8.3	0.56	0.062	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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108B-SS5_0.5-0.5 (1102850-05) Soil **Sampled: 06/22/11 16:00** **Received: 06/24/11 16:10**

Barium	40	1.1	0.067	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Cadmium	0.30	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	7.8	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	77	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

108B-SS2_0.5-0.5 (1102850-06) Soil **Sampled: 06/22/11 15:30** **Received: 06/24/11 16:10**

Arsenic	1.8	0.55	0.060	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Barium	24	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	7.3	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	16	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	

M-3 (1102850-07) Soil **Sampled: 06/22/11 00:00** **Received: 06/24/11 16:10**

Arsenic	3.8	0.57	0.063	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Barium	35	1.1	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	11	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	37	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	

301ALP-SS1_0.5-0.5 (1102850-08) Soil **Sampled: 06/22/11 10:00** **Received: 06/24/11 16:10**

Arsenic	5.0	0.56	0.062	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Barium	28	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	1.5	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	56	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	23	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	0.54	0.11	0.021	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

303A-SS1_0.5-0.5 (1102850-10) Soil **Sampled: 06/22/11 10:30** **Received: 06/24/11 16:10**

Arsenic	3.1	0.54	0.059	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Barium	43	1.1	0.065	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102850
 Date Reported: 07/18/11

TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-SS1_0.5-0.5 (1102850-10) Soil Sampled: 06/22/11 10:30 Received: 06/24/11 16:10										
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Chromium	9.4	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	1200	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
303A-SS2_0.5-0.5 (1102850-11) Soil Sampled: 06/22/11 10:45 Received: 06/24/11 16:10										
Arsenic	2.4	0.54	0.059	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Barium	26	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	9.6	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	2000	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
303A-SS3_0.5-0.5 (1102850-12) Soil Sampled: 06/22/11 11:00 Received: 06/24/11 16:10										
Arsenic	3.2	0.62	0.068	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Barium	42	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	12	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	1400	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
303A-SS4_0.5-0.5 (1102850-13) Soil Sampled: 06/22/11 12:15 Received: 06/24/11 16:10										
Arsenic	3.4	0.58	0.064	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Barium	37	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	12	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	960	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
303A-SS5_0.5-0.5 (1102850-14) Soil Sampled: 06/22/11 12:30 Received: 06/24/11 16:10										
Arsenic	2.7	0.50	0.055	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Barium	32	1.0	0.060	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102850
 Date Reported: 07/18/11

TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-SS5_0.5-0.5 (1102850-14) Soil Sampled: 06/22/11 12:30 Received: 06/24/11 16:10										
Chromium	9.9	0.50	0.012	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Lead	1400	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
M-1 (1102850-15) Soil Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
Arsenic	2.4	0.51	0.056	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Barium	28	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.034	mg/kg dry	1	"	"	"	"	
Chromium	11	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	2400	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.098	0.098	0.019	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
M-2 (1102850-16) Soil Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
Arsenic	3.4	0.57	0.063	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Barium	39	1.1	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	19	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	970	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F3005	06/30/11	07/01/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
FB-1 (1102850-17) Water Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G0629	07/06/11	07/07/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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PERCENT SOLIDS
 Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
302A-SS1_1-1 (1102850-01) Soil Sampled: 06/22/11 13:00 Received: 06/24/11 16:10										
% Solids	93			%	1	B1F3008	06/30/11	06/30/11	% calculation	
302A-SS2_1-1 (1102850-02) Soil Sampled: 06/22/11 13:15 Received: 06/24/11 16:10										
% Solids	95			%	1	B1F3008	06/30/11	06/30/11	% calculation	
302A-SS3_1-1 (1102850-03) Soil Sampled: 06/22/11 13:45 Received: 06/24/11 16:10										
% Solids	88			%	1	B1F3008	06/30/11	06/30/11	% calculation	
108B-SS4_0.5-0.5 (1102850-04) Soil Sampled: 06/22/11 14:00 Received: 06/24/11 16:10										
% Solids	83			%	1	B1F3008	06/30/11	06/30/11	% calculation	
108B-SS5_0.5-0.5 (1102850-05) Soil Sampled: 06/22/11 16:00 Received: 06/24/11 16:10										
% Solids	89			%	1	B1F3008	06/30/11	06/30/11	% calculation	
108B-SS2_0.5-0.5 (1102850-06) Soil Sampled: 06/22/11 15:30 Received: 06/24/11 16:10										
% Solids	91			%	1	B1F3008	06/30/11	06/30/11	% calculation	
M-3 (1102850-07) Soil Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
% Solids	87			%	1	B1F3008	06/30/11	06/30/11	% calculation	
301ALP-SS1_0.5-0.5 (1102850-08) Soil Sampled: 06/22/11 10:00 Received: 06/24/11 16:10										
% Solids	89			%	1	B1F3008	06/30/11	06/30/11	% calculation	
301ALP-SS2_0.5-0.5 (1102850-09) Soil Sampled: 06/22/11 10:15 Received: 06/24/11 16:10										
% Solids	78			%	1	B1F3008	06/30/11	06/30/11	% calculation	
303A-SS1_0.5-0.5 (1102850-10) Soil Sampled: 06/22/11 10:30 Received: 06/24/11 16:10										
% Solids	93			%	1	B1F3008	06/30/11	06/30/11	% calculation	
303A-SS2_0.5-0.5 (1102850-11) Soil Sampled: 06/22/11 10:45 Received: 06/24/11 16:10										
% Solids	93			%	1	B1F3008	06/30/11	06/30/11	% calculation	
303A-SS3_0.5-0.5 (1102850-12) Soil Sampled: 06/22/11 11:00 Received: 06/24/11 16:10										
% Solids	81			%	1	B1F3008	06/30/11	06/30/11	% calculation	
303A-SS4_0.5-0.5 (1102850-13) Soil Sampled: 06/22/11 12:15 Received: 06/24/11 16:10										
% Solids	86			%	1	B1F3008	06/30/11	06/30/11	% calculation	
303A-SS5_0.5-0.5 (1102850-14) Soil Sampled: 06/22/11 12:30 Received: 06/24/11 16:10										
% Solids	92			%	1	B1F3008	06/30/11	06/30/11	% calculation	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102850-15) Soil Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
% Solids	93			%	1	B1F3008	06/30/11	06/30/11	%	calculation
M-2 (1102850-16) Soil Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
% Solids	87			%	1	B1F3008	06/30/11	06/30/11	%	calculation

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
302A-SS1_1-1 (1102850-01) Soil Sampled: 06/22/11 13:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.088	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	0.16	0.35	0.039	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.72	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.60	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.82	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.41	0.35	0.046	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
302A-SS1_1-1 (1102850-01) Soil Sampled: 06/22/11 13:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.34	0.35	0.052	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	J
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	38	3.5	0.52	mg/kg dry	10	"	"	07/05/11	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	07/01/11	"	
Carbazole	0.095	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Chrysene	0.81	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.10	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	1.7	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	0.066	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.60	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.90	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	1.5	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	77.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	85.2			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
302A-SS2_1-1 (1102850-02) Soil Sampled: 06/22/11 13:15 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.079	0.71	0.079	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.063	0.71	0.063	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.71	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.71	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.71	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.15	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.14	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.19	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.090	0.35	0.045	mg/kg dry	1	"	"	"	"	J

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
302A-SS2_1-1 (1102850-02) Soil Sampled: 06/22/11 13:15 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.075	0.35	0.051	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	J
Benzoic acid	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	1.7	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	0.18	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.33	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.32	0.35	0.042	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.15	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	0.31	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	74.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	83.6			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
302A-SS3_1-1 (1102850-03) Soil Sampled: 06/22/11 13:45 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.064	0.38	0.043	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	0.12	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.67	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.62	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.87	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.42	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
302A-SS3_1-1 (1102850-03) Soil Sampled: 06/22/11 13:45 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.33	0.38	0.055	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	J
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	3.2	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	0.094	0.38	0.040	mg/kg dry	1	"	"	"	"	J
Chrysene	0.79	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.10	0.38	0.049	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	1.5	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	0.049	0.38	0.040	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.63	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.75	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	1.4	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	64.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	62.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	75.4			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102850
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
108B-SS4_0.5-0.5 (1102850-04) Soil Sampled: 06/22/11 14:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.81	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.090	0.81	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.047	0.40	0.047	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.072	0.81	0.072	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.81	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.81	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.81	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.81	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
108B-SS4_0.5-0.5 (1102850-04) Soil Sampled: 06/22/11 14:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.058	0.40	0.058	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
Benzoic acid	0.53	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.053	0.40	0.053	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.053	0.40	0.053	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.047	0.40	0.047	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.40	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	59.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	57.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	58.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	61.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	61.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
108B-SS5_0.5-0.5 (1102850-05) Soil Sampled: 06/22/11 16:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
108B-SS5_0.5-0.5 (1102850-05) Soil Sampled: 06/22/11 16:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
Benzoic acid	1.7	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	79.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	60.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	83.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	71.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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108B-SS2_0.5-0.5 (1102850-06) Soil Sampled: 06/22/11 15:30 Received: 06/24/11 16:10

1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
108B-SS2_0.5-0.5 (1102850-06) Soil Sampled: 06/22/11 15:30 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	68.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	58.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	62.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-3 (1102850-07) Soil Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102850
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-3 (1102850-07) Soil Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
Benzoic acid	0.47	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.046	0.38	0.046	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	68.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	60.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	61.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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303A-SS1_0.5-0.5 (1102850-10) Soil Sampled: 06/22/11 10:30 Received: 06/24/11 16:10

1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	0.14	0.35	0.039	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.22	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.21	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.25	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.10	0.35	0.046	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102850
Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-SS1_0.5-0.5 (1102850-10) Soil Sampled: 06/22/11 10:30 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.11	0.35	0.052	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	J
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	0.088	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Chrysene	0.24	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.50	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	0.046	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.12	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.46	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	0.44	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	78.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	81.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-SS2_0.5-0.5 (1102850-11) Soil Sampled: 06/22/11 10:45 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	0.072	0.35	0.039	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.15	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.13	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.17	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.066	0.35	0.046	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102850
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-SS2_0.5-0.5 (1102850-11) Soil Sampled: 06/22/11 10:45 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.066	0.35	0.052	mg/kg dry	1	B1F3010	06/30/11	07/01/11	EPA 8270C	J
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	0.047	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Chrysene	0.14	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.30	0.35	0.042	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.073	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.26	0.35	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	0.28	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	65.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	59.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	62.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-SS3_0.5-0.5 (1102850-12) Soil Sampled: 06/22/11 11:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1F3010	06/30/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.11	0.41	0.047	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	0.36	0.41	0.044	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.89	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.64	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.82	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.32	0.41	0.053	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102850
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-SS3_0.5-0.5 (1102850-12) Soil Sampled: 06/22/11 11:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.35	0.41	0.059	mg/kg dry	1	B1F3010	06/30/11	07/05/11	EPA 8270C	J
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	0.26	0.41	0.043	mg/kg dry	1	"	"	"	"	J
Chrysene	0.87	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.095	0.41	0.053	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.060	0.41	0.041	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	1.8	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	0.12	0.41	0.043	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.58	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	1.4	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	1.6	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	65.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	62.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-SS4_0.5-0.5 (1102850-13) Soil Sampled: 06/22/11 12:15 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1F3010	06/30/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.054	0.38	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.055	0.38	0.050	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-SS4_0.5-0.5 (1102850-13) Soil Sampled: 06/22/11 12:15 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.056	0.38	0.056	mg/kg dry	1	B1F3010	06/30/11	07/05/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.079	0.38	0.045	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	J
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	0.073	0.38	0.048	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	82.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	77.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	78.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	87.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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303A-SS5_0.5-0.5 (1102850-14) Soil Sampled: 06/22/11 12:30 Received: 06/24/11 16:10

1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1F3010	06/30/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.091	0.36	0.039	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.22	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.17	0.36	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.21	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.081	0.36	0.047	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-SS5_0.5-0.5 (1102850-14) Soil Sampled: 06/22/11 12:30 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.085	0.36	0.052	mg/kg dry	1	B1F3010	06/30/11	07/05/11	EPA 8270C	J
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	0.062	0.36	0.038	mg/kg dry	1	"	"	"	"	J
Chrysene	0.21	0.36	0.048	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.42	0.36	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.32	0.36	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.35	0.36	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	0.39	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	75.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	92.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102850-15) Soil Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1F3010	06/30/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102850-15) Soil Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1F3010	06/30/11	07/05/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.065	0.35	0.042	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.045	0.35	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	0.061	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	76.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	75.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-2 (1102850-16) Soil Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1F3010	06/30/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.072	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.058	0.38	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.074	0.38	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102850
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-2 (1102850-16) Soil Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1F3010	06/30/11	07/05/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	0.063	0.38	0.051	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.12	0.38	0.045	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.046	0.38	0.046	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.070	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	0.11	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	65.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	54.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	51.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	55.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	55.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	73.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-1 (1102850-17) Water Sampled: 06/22/11 00:00 Received: 06/24/11 16:10

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1F2907	06/29/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1102850-17) Water Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1F2907	06/29/11	06/29/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	0.67	9.3	0.28	ug/L	1	"	"	"	"	J
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	75.6			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.9			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.2			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.9			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	59.1			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	87.0			30-116 %		"	"	"	"	

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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
108B-SS4_0.5-0.5 (1102850-04) Soil Sampled: 06/22/11 14:00 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1G0513	07/05/11	07/05/11	EPA 1010A/ASTM D93(M)	
108B-SS5_0.5-0.5 (1102850-05) Soil Sampled: 06/22/11 16:00 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1G0513	07/05/11	07/05/11	EPA 1010A/ASTM D93(M)	
108B-SS2_0.5-0.5 (1102850-06) Soil Sampled: 06/22/11 15:30 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1G0513	07/05/11	07/05/11	EPA 1010A/ASTM D93(M)	
M-3 (1102850-07) Soil Sampled: 06/22/11 00:00 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1G0513	07/05/11	07/05/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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GC 8015 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2920 - GC											
Blank (B1F2920-BLK1)											
						Prepared & Analyzed: 06/29/11					
Ethylene glycol	< 0.58	10	0.58	mg/kg wet							
Propylene glycol	< 0.52	10	0.52	mg/kg wet							
LCS (B1F2920-BS1)											
						Prepared & Analyzed: 06/29/11					
Ethylene glycol	32.1	10	0.58	mg/kg wet	33.3		96.3	80-130			
Propylene glycol	30.2	10	0.52	mg/kg wet	31.2		96.7	80-130			
Matrix Spike (B1F2920-MS1)											
						Source: 1102773-08 Prepared & Analyzed: 06/29/11					
Ethylene glycol	30.0	10	0.60	mg/kg dry	33.3	<10	90.1	70-130			
Propylene glycol	29.0	10	0.54	mg/kg dry	31.2	<10	93.0	70-130			
Matrix Spike Dup (B1F2920-MSD1)											
						Source: 1102773-08 Prepared & Analyzed: 06/29/11					
Ethylene glycol	29.0	10	0.60	mg/kg dry	33.4	<10	87.0	70-130	3.16	20	
Propylene glycol	28.1	10	0.54	mg/kg dry	31.3	<10	89.9	70-130	2.99	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3005 - EPA 3050B

Blank (B1F3005-BLK1)

Prepared: 06/30/11 Analyzed: 07/01/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1F3005-BS1)

Prepared: 06/30/11 Analyzed: 07/01/11

Arsenic	39.7	0.50	0.055	mg/kg wet	39.9		99.4	80-120			
Barium	42.0	1.0	0.060	mg/kg wet	39.9		105	80-120			
Cadmium	40.2	0.25	0.033	mg/kg wet	39.9		101	80-120			
Chromium	41.2	0.50	0.012	mg/kg wet	39.9		103	80-120			
Lead	41.7	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	39.4	1.0	0.095	mg/kg wet	39.9		98.8	80-120			
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120			

LCS Dup (B1F3005-BSD1)

Prepared: 06/30/11 Analyzed: 07/01/11

Arsenic	39.8	0.50	0.055	mg/kg wet	39.9		99.7	80-120	0.259	20	
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120	0.352	20	
Cadmium	40.3	0.25	0.033	mg/kg wet	39.9		101	80-120	0.310	20	
Chromium	41.2	0.50	0.012	mg/kg wet	39.9		103	80-120	0.0602	20	
Lead	41.7	1.0	0.14	mg/kg wet	39.9		105	80-120	0.174	20	
Selenium	39.3	1.0	0.095	mg/kg wet	39.9		98.5	80-120	0.306	20	
Silver	4.04	0.25	0.016	mg/kg wet	3.99		101	80-120	0.348	20	

Matrix Spike (B1F3005-MS1)

Source: 1102850-02

Prepared: 06/30/11 Analyzed: 07/01/11

Arsenic	40.0	0.49	0.054	mg/kg dry	39.3	1.91	96.8	75-125			
Barium	61.3	0.99	0.059	mg/kg dry	39.3	18.6	108	75-125			
Cadmium	38.8	0.25	0.033	mg/kg dry	39.3	<0.25	98.4	75-125			
Chromium	44.4	0.49	0.012	mg/kg dry	39.3	10.4	86.5	75-125			
Lead	40.7	0.99	0.14	mg/kg dry	39.3	5.64	89.2	75-125			
Selenium	37.5	0.99	0.094	mg/kg dry	39.3	<0.99	95.4	75-125			
Silver	3.80	0.25	0.016	mg/kg dry	3.93	<0.25	96.7	75-125			

Matrix Spike Dup (B1F3005-MSD1)

Source: 1102850-02

Prepared: 06/30/11 Analyzed: 07/01/11

Arsenic	41.2	0.53	0.058	mg/kg dry	40.4	1.91	97.2	75-125	3.12	20	
Barium	57.8	1.1	0.063	mg/kg dry	40.4	18.6	97.0	75-125	5.76	20	
Cadmium	40.0	0.26	0.035	mg/kg dry	40.4	<0.26	98.7	75-125	3.13	20	
Chromium	47.2	0.53	0.013	mg/kg dry	40.4	10.4	91.0	75-125	6.11	20	
Lead	41.8	1.1	0.15	mg/kg dry	40.4	5.64	89.3	75-125	2.54	20	
Selenium	39.0	1.1	0.10	mg/kg dry	40.4	<1.1	96.4	75-125	3.89	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3005 - EPA 3050B

Matrix Spike Dup (B1F3005-MSD1)

Source: 1102850-02

Prepared: 06/30/11 Analyzed: 07/01/11

Silver	3.93	0.26	0.017	mg/kg dry	4.04	<0.26	97.1	75-125	3.33	20	
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Batch B1G0102 - EPA 7471A

Blank (B1G0102-BLK1)

Prepared: 07/01/11 Analyzed: 07/06/11

Mercury	< 0.10	0.10	0.019	mg/kg wet							
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LCS (B1G0102-BS1)

Prepared: 07/01/11 Analyzed: 07/06/11

Mercury	0.197	0.10	0.019	mg/kg wet	0.200		98.5	80-120			
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LCS Dup (B1G0102-BSD1)

Prepared: 07/01/11 Analyzed: 07/06/11

Mercury	0.197	0.10	0.019	mg/kg wet	0.200		98.5	80-120	0.00	20	
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Matrix Spike (B1G0102-MS1)

Source: 1102850-01

Prepared: 07/01/11 Analyzed: 07/06/11

Mercury	0.394	0.11	0.020	mg/kg dry	0.214	<0.11	144	75-125			M1
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Matrix Spike Dup (B1G0102-MSD1)

Source: 1102850-01

Prepared: 07/01/11 Analyzed: 07/06/11

Mercury	0.300	0.11	0.020	mg/kg dry	0.208	<0.11	103	75-125	27.0	20	QR-04
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Batch B1G0602 - EPA 200.7/3005A Digestion

Blank (B1G0602-BLK1)

Prepared & Analyzed: 07/06/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1G0602-BS1)

Prepared & Analyzed: 07/06/11

Arsenic	0.419	0.010	0.0011	mg/L	0.399		105	80-120			
Barium	0.412	0.020	0.0012	mg/L	0.399		103	80-120			
Cadmium	0.419	0.0010	0.00013	mg/L	0.399		105	80-120			
Chromium	0.426	0.010	0.00024	mg/L	0.399		107	80-120			
Lead	0.423	0.0030	0.00042	mg/L	0.399		106	80-120			
Selenium	0.413	0.020	0.0019	mg/L	0.399		104	80-120			
Silver	0.0437	0.0050	0.00031	mg/L	0.0399		109	80-120			

LCS Dup (B1G0602-BSD1)

Prepared & Analyzed: 07/06/11

Arsenic	0.411	0.010	0.0011	mg/L	0.399		103	80-120	1.83	20	
Barium	0.415	0.020	0.0012	mg/L	0.399		104	80-120	0.714	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399		103	80-120	1.38	20	
Chromium	0.419	0.010	0.00024	mg/L	0.399		105	80-120	1.65	20	
Lead	0.415	0.0030	0.00042	mg/L	0.399		104	80-120	1.84	20	
Selenium	0.408	0.020	0.0019	mg/L	0.399		102	80-120	1.16	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0602 - EPA 200.7/3005A Digestion											
LCS Dup (B1G0602-BSD1)											
						Prepared & Analyzed: 07/06/11					
Silver	0.0425	0.0050	0.00031	mg/L	0.0399		107	80-120	2.70	20	
Matrix Spike (B1G0602-MS1)											
						Source: 1102988-04 Prepared & Analyzed: 07/06/11					
Arsenic	0.417	0.010	0.0011	mg/L	0.399	<0.010	104	75-125			
Barium	0.416	0.020	0.0012	mg/L	0.399	<0.020	104	75-125			
Cadmium	0.415	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125			
Chromium	0.423	0.010	0.00024	mg/L	0.399	<0.010	106	75-125			
Lead	0.418	0.0030	0.00042	mg/L	0.399	<0.0030	105	75-125			
Selenium	0.409	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0429	0.0050	0.00031	mg/L	0.0399	<0.0050	107	75-125			
Matrix Spike Dup (B1G0602-MSD1)											
						Source: 1102988-04 Prepared & Analyzed: 07/06/11					
Arsenic	0.413	0.010	0.0011	mg/L	0.399	<0.010	104	75-125	0.809	20	
Barium	0.414	0.020	0.0012	mg/L	0.399	<0.020	104	75-125	0.447	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125	0.273	20	
Chromium	0.421	0.010	0.00024	mg/L	0.399	<0.010	105	75-125	0.595	20	
Lead	0.416	0.0030	0.00042	mg/L	0.399	<0.0030	104	75-125	0.517	20	
Selenium	0.407	0.020	0.0019	mg/L	0.399	<0.020	101	75-125	0.541	20	
Silver	0.0424	0.0050	0.00031	mg/L	0.0399	<0.0050	105	75-125	1.15	20	
Batch B1G0629 - EPA 245.1/7470A Digestion											
Blank (B1G0629-BLK1)											
						Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1G0629-BS1)											
						Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.00201	0.00020	0.000037	mg/L	0.00200		100	80-120			
LCS Dup (B1G0629-BSD1)											
						Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.00176	0.00020	0.000037	mg/L	0.00200		88.0	80-120	13.3	20	
Matrix Spike (B1G0629-MS1)											
						Source: 1102809-01 Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.00217	0.00020	0.000037	mg/L	0.00200	0.000548	81.1	75-125			
Matrix Spike Dup (B1G0629-MSD1)											
						Source: 1102809-01 Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.00226	0.00020	0.000037	mg/L	0.00200	0.000548	85.6	75-125	4.06	20	

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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F3008 - General Preparation											
Duplicate (B1F3008-DUP1)											
% Solids	93.0			%		93.0			0.00	20	
Duplicate (B1F3008-DUP2)											
% Solids	93.0			%		93.0			0.00	20	
Duplicate (B1F3008-DUP3)											
% Solids	76.0			%		77.0			1.31	20	
Duplicate (B1F3008-DUP4)											
% Solids	88.0			%		89.0			1.13	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

Blank (B1F2907-BLK1)

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

Blank (B1F2907-BLK1)

Prepared & Analyzed: 06/29/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	78.8			ug/L	100		78.8	30-122			
Surrogate: 2-Fluorobiphenyl	77.5			ug/L	100		77.5	39.2-104			
Surrogate: 2-Fluorophenol	65.6			ug/L	100		65.6	30-80.1			
Surrogate: Nitrobenzene-d5	77.0			ug/L	100		77.0	51.2-103			
Surrogate: Phenol-d6	60.9			ug/L	100		60.9	30-75.3			
Surrogate: Terphenyl-d14	91.3			ug/L	100		91.3	30-116			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102850
 Date Reported: 07/18/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

LCS (B1F2907-BS1)

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	61.5	10	0.30	ug/L	100		61.5	47.4-88.7			
1,4-Dichlorobenzene	58.4	10	0.29	ug/L	100		58.4	39.5-81			
2,4-Dinitrotoluene	85.4	10	0.45	ug/L	100		85.4	67.2-99.3			
2-Chlorophenol	80.6	10	0.39	ug/L	100		80.6	56.5-85.9			
4-Chloro-3-methylphenol	88.2	10	0.48	ug/L	100		88.2	62.1-98.2			
4-Nitrophenol	83.0	10	0.78	ug/L	100		83.0	40.5-98.5			
Anthracene	89.2	10	0.56	ug/L	100		89.2	70.6-95.3			
Benzo(a)anthracene	86.4	10	0.50	ug/L	100		86.4	73.7-96.6			
Benzo(a)pyrene	87.6	10	0.41	ug/L	100		87.6	70.9-92.6			
Chrysene	87.8	10	0.61	ug/L	100		87.8	71.8-97.5			
Fluoranthene	88.2	10	0.61	ug/L	100		88.2	73.6-96.8			
Fluorene	83.9	10	0.52	ug/L	100		83.9	69.3-93.3			
N-Nitrosodi-n-propylamine	78.8	10	0.25	ug/L	100		78.8	65.9-89.3			
Pentachlorophenol	86.2	10	0.90	ug/L	100		86.2	55-107			
Phenanthrene	88.5	10	0.35	ug/L	100		88.5	72.5-97.6			
Phenol	65.6	10	0.41	ug/L	100		65.6	34.1-71.6			
Surrogate: 2,4,6-Tribromophenol	86.6			ug/L	100		86.6	30-122			
Surrogate: 2-Fluorobiphenyl	82.7			ug/L	100		82.7	39.2-104			
Surrogate: 2-Fluorophenol	71.0			ug/L	100		71.0	30-80.1			
Surrogate: Nitrobenzene-d5	82.6			ug/L	100		82.6	51.2-103			
Surrogate: Phenol-d6	65.4			ug/L	100		65.4	30-75.3			
Surrogate: Terphenyl-d14	84.1			ug/L	100		84.1	30-116			

Matrix Spike (B1F2907-MS1)

Source: 1102878-02

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	69.2	9.3	0.28	ug/L	92.6	<9.3	74.8	39.2-90.6			
1,4-Dichlorobenzene	71.7	9.3	0.27	ug/L	92.6	<9.3	77.5	34.1-81.6			
2,4-Dinitrotoluene	80.9	9.3	0.42	ug/L	92.6	<9.3	87.4	41.1-110			
2-Chlorophenol	76.3	9.3	0.36	ug/L	92.6	<9.3	82.4	30-96.4			
4-Chloro-3-methylphenol	84.3	9.3	0.44	ug/L	92.6	<9.3	91.1	30-113			
4-Nitrophenol	82.2	9.3	0.72	ug/L	92.6	<9.3	88.8	30-112			
Anthracene	83.1	9.3	0.52	ug/L	92.6	<9.3	89.8	30-119			
Benzo(a)anthracene	85.6	9.3	0.46	ug/L	92.6	<9.3	92.4	30-122			
Benzo(a)pyrene	82.3	9.3	0.38	ug/L	92.6	<9.3	88.9	30-118			
Chrysene	86.4	9.3	0.56	ug/L	92.6	<9.3	93.3	30-125			
Fluoranthene	84.1	9.3	0.56	ug/L	92.6	<9.3	90.8	31.6-119			
Fluorene	78.1	9.3	0.48	ug/L	92.6	<9.3	84.3	40.8-107			
N-Nitrosodi-n-propylamine	75.8	9.3	0.23	ug/L	92.6	<9.3	81.9	47.2-94.8			
Pentachlorophenol	86.8	9.3	0.83	ug/L	92.6	<9.3	93.7	30-130			
Phenanthrene	83.6	9.3	0.32	ug/L	92.6	<9.3	90.3	38.2-117			
Phenol	62.6	9.3	0.38	ug/L	92.6	<9.3	67.6	30-80			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

Matrix Spike (B1F2907-MS1)

Source: 1102878-02

Prepared & Analyzed: 06/29/11

Surrogate: 2,4,6-Tribromophenol	80.8			ug/L	92.6		87.2	30-122			
Surrogate: 2-Fluorobiphenyl	74.6			ug/L	92.6		80.5	39.2-104			
Surrogate: 2-Fluorophenol	64.6			ug/L	92.6		69.7	30-80.1			
Surrogate: Nitrobenzene-d5	75.4			ug/L	92.6		81.4	51.2-103			
Surrogate: Phenol-d6	60.7			ug/L	92.6		65.5	30-75.3			
Surrogate: Terphenyl-d14	81.8			ug/L	92.6		88.3	30-116			

Matrix Spike Dup (B1F2907-MSD1)

Source: 1102878-02

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	66.6	9.3	0.28	ug/L	92.6	<9.3	71.9	39.2-90.6	3.86	23.6	
1,4-Dichlorobenzene	67.5	9.3	0.27	ug/L	92.6	<9.3	72.9	34.1-81.6	6.07	22.4	
2,4-Dinitrotoluene	78.3	9.3	0.42	ug/L	92.6	<9.3	84.6	41.1-110	3.27	17.2	
2-Chlorophenol	73.7	9.3	0.36	ug/L	92.6	<9.3	79.6	30-96.4	3.55	23.7	
4-Chloro-3-methylphenol	81.0	9.3	0.44	ug/L	92.6	<9.3	87.5	30-113	4.02	24.1	
4-Nitrophenol	78.5	9.3	0.72	ug/L	92.6	<9.3	84.8	30-112	4.67	34.3	
Anthracene	81.6	9.3	0.52	ug/L	92.6	<9.3	88.1	30-119	1.83	24.5	
Benzo(a)anthracene	84.3	9.3	0.46	ug/L	92.6	<9.3	91.0	30-122	1.48	27.8	
Benzo(a)pyrene	81.0	9.3	0.38	ug/L	92.6	<9.3	87.5	30-118	1.60	27.1	
Chrysene	85.1	9.3	0.56	ug/L	92.6	<9.3	91.9	30-125	1.44	28	
Fluoranthene	82.6	9.3	0.56	ug/L	92.6	<9.3	89.2	31.6-119	1.75	25.9	
Fluorene	75.9	9.3	0.48	ug/L	92.6	<9.3	82.0	40.8-107	2.80	20.6	
N-Nitrosodi-n-propylamine	72.4	9.3	0.23	ug/L	92.6	<9.3	78.2	47.2-94.8	4.54	15.8	
Pentachlorophenol	85.2	9.3	0.83	ug/L	92.6	<9.3	92.0	30-130	1.85	25.5	
Phenanthrene	81.9	9.3	0.32	ug/L	92.6	<9.3	88.4	38.2-117	2.13	19.3	
Phenol	59.9	9.3	0.38	ug/L	92.6	<9.3	64.7	30-80	4.32	31.9	
Surrogate: 2,4,6-Tribromophenol	77.1			ug/L	92.6		83.2	30-122			
Surrogate: 2-Fluorobiphenyl	72.0			ug/L	92.6		77.7	39.2-104			
Surrogate: 2-Fluorophenol	62.0			ug/L	92.6		67.0	30-80.1			
Surrogate: Nitrobenzene-d5	71.9			ug/L	92.6		77.7	51.2-103			
Surrogate: Phenol-d6	57.3			ug/L	92.6		61.9	30-75.3			
Surrogate: Terphenyl-d14	78.9			ug/L	92.6		85.2	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3010 - EPA 3545 ASE Extraction

Blank (B1F3010-BLK1)

Prepared: 06/30/11 Analyzed: 07/01/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3010 - EPA 3545 ASE Extraction

Blank (B1F3010-BLK1)

Prepared: 06/30/11 Analyzed: 07/01/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.34			mg/kg wet	6.67		80.1	53-107			
Surrogate: 2-Fluorobiphenyl	5.16			mg/kg wet	6.67		77.4	53.9-97.9			
Surrogate: 2-Fluorophenol	5.11			mg/kg wet	6.67		76.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.04			mg/kg wet	6.67		75.7	48.9-100			
Surrogate: Phenol-d6	5.29			mg/kg wet	6.67		79.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.99			mg/kg wet	6.67		89.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3010 - EPA 3545 ASE Extraction

LCS (B1F3010-BS1)

Prepared: 06/30/11 Analyzed: 07/01/11

1,2,4-Trichlorobenzene	4.39	0.33	0.031	mg/kg wet	6.67		65.8	59.1-87.7			
1,4-Dichlorobenzene	4.26	0.33	0.029	mg/kg wet	6.67		64.0	50.3-72.9			
2,4-Dinitrotoluene	5.15	0.33	0.035	mg/kg wet	6.67		77.2	59.8-82.2			
2-Chlorophenol	4.85	0.67	0.060	mg/kg wet	6.67		72.8	59.7-77.3			
4-Chloro-3-methylphenol	5.07	0.67	0.066	mg/kg wet	6.67		76.0	63.6-80.4			
4-Nitrophenol	4.96	0.67	0.093	mg/kg wet	6.67		74.4	57.3-84.9			
Anthracene	5.54	0.33	0.036	mg/kg wet	6.67		83.0	67.3-88			
Benzo(a)anthracene	5.91	0.33	0.041	mg/kg wet	6.67		88.6	66.5-90.5			
Benzo(a)pyrene	5.61	0.33	0.042	mg/kg wet	6.67		84.2	66.1-89.7			
Chrysene	5.99	0.33	0.044	mg/kg wet	6.67		89.8	65.5-90.5			
Fluoranthene	5.62	0.33	0.039	mg/kg wet	6.67		84.3	66.7-89.9			
Fluorene	5.26	0.33	0.035	mg/kg wet	6.67		78.9	66.2-85.6			
N-Nitrosodi-n-propylamine	4.86	0.33	0.033	mg/kg wet	6.67		72.9	59.4-78			
Pentachlorophenol	4.43	0.67	0.078	mg/kg wet	6.67		66.4	46.7-83.2			
Phenanthrene	5.50	0.33	0.036	mg/kg wet	6.67		82.5	67.5-87.9			
Phenol	4.97	0.67	0.069	mg/kg wet	6.67		74.5	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.79			mg/kg wet	6.67		71.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.93			mg/kg wet	6.67		74.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.79			mg/kg wet	6.67		71.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.80			mg/kg wet	6.67		72.0	48.9-100			
Surrogate: Phenol-d6	5.11			mg/kg wet	6.67		76.7	50.4-99.6			
Surrogate: Terphenyl-d14	5.47			mg/kg wet	6.67		82.0	51-99.6			

Matrix Spike (B1F3010-MS1)

Source: 1102846-05

Prepared: 06/30/11 Analyzed: 07/01/11

1,2,4-Trichlorobenzene	4.98	0.41	0.038	mg/kg dry	8.29	<0.41	60.2	44.8-97.9			
1,4-Dichlorobenzene	4.91	0.41	0.036	mg/kg dry	8.29	<0.41	59.2	42.3-77.9			
2,4-Dinitrotoluene	5.28	0.41	0.043	mg/kg dry	8.29	<0.41	63.7	57.3-86.6			
2-Chlorophenol	5.29	0.83	0.074	mg/kg dry	8.29	<0.83	63.8	43.3-93.2			
4-Chloro-3-methylphenol	5.54	0.83	0.081	mg/kg dry	8.29	<0.83	66.9	47.1-97.6			
4-Nitrophenol	5.25	0.83	0.11	mg/kg dry	8.29	<0.83	63.4	49.3-96.2			
Anthracene	5.86	0.41	0.044	mg/kg dry	8.29	<0.41	70.8	67.5-93.1			
Benzo(a)anthracene	6.04	0.41	0.051	mg/kg dry	8.29	<0.41	72.9	59.8-95.7			
Benzo(a)pyrene	5.66	0.41	0.052	mg/kg dry	8.29	<0.41	68.3	59.8-92.7			
Chrysene	6.21	0.41	0.054	mg/kg dry	8.29	<0.41	75.0	62.5-94.6			
Fluoranthene	5.95	0.41	0.048	mg/kg dry	8.29	<0.41	71.8	61.3-92.8			
Fluorene	5.63	0.41	0.043	mg/kg dry	8.29	<0.41	67.9	62.8-92.6			
N-Nitrosodi-n-propylamine	5.29	0.41	0.041	mg/kg dry	8.29	<0.41	63.8	46.9-89.9			
Pentachlorophenol	5.13	0.83	0.096	mg/kg dry	8.29	<0.83	61.9	40.1-95.1			
Phenanthrene	5.86	0.41	0.044	mg/kg dry	8.29	<0.41	70.7	65.2-92.2			
Phenol	5.29	0.83	0.085	mg/kg dry	8.29	<0.83	63.8	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3010 - EPA 3545 ASE Extraction

Matrix Spike (B1F3010-MS1)

Source: 1102846-05

Prepared: 06/30/11 Analyzed: 07/01/11

Surrogate: 2,4,6-Tribromophenol	5.43			mg/kg dry	8.29		65.6	53-107			
Surrogate: 2-Fluorobiphenyl	5.41			mg/kg dry	8.29		65.3	53.9-97.9			
Surrogate: 2-Fluorophenol	5.22			mg/kg dry	8.29		63.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.42			mg/kg dry	8.29		65.4	48.9-100			
Surrogate: Phenol-d6	5.39			mg/kg dry	8.29		65.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.64			mg/kg dry	8.29		68.1	51-99.6			

Matrix Spike Dup (B1F3010-MSD1)

Source: 1102846-05

Prepared: 06/30/11 Analyzed: 07/01/11

1,2,4-Trichlorobenzene	4.70	0.41	0.038	mg/kg dry	8.29	<0.41	56.7	44.8-97.9	5.81	19.6	
1,4-Dichlorobenzene	4.70	0.41	0.036	mg/kg dry	8.29	<0.41	56.7	42.3-77.9	4.25	22.4	
2,4-Dinitrotoluene	5.00	0.41	0.043	mg/kg dry	8.29	<0.41	60.4	57.3-86.6	5.33	19.5	
2-Chlorophenol	5.15	0.83	0.074	mg/kg dry	8.29	<0.83	62.1	43.3-93.2	2.67	23.7	
4-Chloro-3-methylphenol	5.16	0.83	0.081	mg/kg dry	8.29	<0.83	62.3	47.1-97.6	7.03	18.3	
4-Nitrophenol	5.00	0.83	0.11	mg/kg dry	8.29	<0.83	60.4	49.3-96.2	4.81	20.4	
Anthracene	5.54	0.41	0.044	mg/kg dry	8.29	<0.41	66.8	67.5-93.1	5.65	19.9	M2
Benzo(a)anthracene	5.68	0.41	0.051	mg/kg dry	8.29	<0.41	68.5	59.8-95.7	6.16	23.4	
Benzo(a)pyrene	5.31	0.41	0.052	mg/kg dry	8.29	<0.41	64.1	59.8-92.7	6.35	21.1	
Chrysene	5.76	0.41	0.054	mg/kg dry	8.29	<0.41	69.4	62.5-94.6	7.57	24.8	
Fluoranthene	5.55	0.41	0.048	mg/kg dry	8.29	<0.41	67.0	61.3-92.8	6.87	21.8	
Fluorene	5.26	0.41	0.043	mg/kg dry	8.29	<0.41	63.5	62.8-92.6	6.67	17.6	
N-Nitrosodi-n-propylamine	5.17	0.41	0.041	mg/kg dry	8.29	<0.41	62.3	46.9-89.9	2.33	18.9	
Pentachlorophenol	4.81	0.83	0.096	mg/kg dry	8.29	<0.83	58.1	40.1-95.1	6.24	19.7	
Phenanthrene	5.50	0.41	0.044	mg/kg dry	8.29	<0.41	66.4	65.2-92.2	6.27	20.5	
Phenol	5.11	0.83	0.085	mg/kg dry	8.29	<0.83	61.6	44.7-91	3.48	17.9	
Surrogate: 2,4,6-Tribromophenol	4.96			mg/kg dry	8.29		59.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.00			mg/kg dry	8.29		60.4	53.9-97.9			
Surrogate: 2-Fluorophenol	5.00			mg/kg dry	8.29		60.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.18			mg/kg dry	8.29		62.5	48.9-100			
Surrogate: Phenol-d6	5.21			mg/kg dry	8.29		62.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.13			mg/kg dry	8.29		61.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0513 - General Prep											
Duplicate (B1G0513-DUP1)		Source: 1102843-04				Prepared & Analyzed: 07/05/11					
Flashpoint	>140			°F		0.00				5	
Reference (B1G0513-SRM1)											
Flashpoint	78.0			°F	78.0		100	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102850 Date Reported: 07/18/11
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Notes and Definitions

- QR-04 The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
- M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
- M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 1102850

Project Number: 2319-109200 48RT 510
Project Name: UMN East Gateway
Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 33921

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Collection Time (hh:mm)	Number of Containers/Preservative																
						Water	Soil		Water	Soil	VOCs (HCl) #1	VOCs (unpreserved) #2	Dissolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOs (unpreserved) #2	% Solids (plastic vial, unpres.)	Freshpoint	Total Number Of Containers
1. 302A-SS1	1.0	1.0	ft	6/22/11	1:00	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3
2. 302A-SS2					1:15	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3
3. 302A-SS3					1:45	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3
4. 108B-SS4	0.5	0.5			2:00	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
5. 108B-SS5					4:00	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
6. 108B-SS1					2:30	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
7. 108B-SS2					3:30	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
8. 108B-SS3					3:00	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
9. M-3					-	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
10.					-	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4

COC 2 of 2

Project Manager: JME
Project OC Contact: AAW
Sampled by: KLB/ABJ
Laboratory: Legend

Handwritten notes:
Analyze SVOCs & PCRA metals
Analyze SVOCs, PCRA metals, and freshpoint
cancelled per A. March 6/24/11 SP
KLB

Relinquished By: [Signature]

Relinquished By: [Signature]

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____

Received by: [Signature]

Received by: [Signature]

Date: 6-24-11
Time: 1:50

Date: 6/24/11
Time: 16:10

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, 8360 Full List
#2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

5.7 Ice & bubble

H:\R\GIS\TDFORMS\Chain of Custody Form 2009 RLG Rev. 09/01/09

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

COC	Number of Containers/Preservative		Total Number Of Containers	Project Manager:	Project QC Contact:	Sampled by:	Laboratory:
	Water	Soil					
1	1	1	2	JME	AAN	KCB/ALB	Legend
<p>Project Number: 2319-01092.00 480RI STD Project Name: UMore East - Gow East Sample Origin State: MN (use two letter postal state abbreviation) COC Number: NO 33919</p>							
Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix	Type
1. 301ALP-SS1	0.5	0.5	ft	10/22/2011	10:00	Water	QC
2. 301ALP-SS2					10:15	Water	Comp.
3. 303A-SS1					10:30	Water	Grab
4. 303A-SS2					10:45	Water	Grab
5. 303A-SS3					11:00	Water	Grab
6. 303A-SS4					12:15	Water	Grab
7. 303A-SS5					12:30	Water	Grab
8. M-1						Water	QC
9. M-2						Water	Comp.
10. FB-1						Water	Grab

Matrix	Water	Soil	QC	Comp.	Grab
VOCs (HCl) #1					
SVOCs (unpreserved) #2					
Dissolved Metals (HNO3)					
Total Metals (HNO3)					
General (unpreserved) #3					
Diesel Range Organics (HCl)					
Nutrients (H2SO4) #4					
VOCs (tared MeOH) #1					
GRO, BTEX (tared MeOH) #1					
DRO (tared unpreserved)					
Metals (unpreserved) #2					
SVOCs (unpreserved) #2					
% Solids (plastic vial, unpres.)					

Relinquished By:	Date	Time	Received by:	Date	Time
JME	6-14-11	10:00	JME	6-14-11	16:10

Relinquished By: _____ Date: _____ Time: _____

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____

Air Bill Number: _____

Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

1102850

BARR

Project Number: 2319-01092.00 480RI STD

Project Name: UMore East - Gow East

Sample Origin State: MN (use two letter postal state abbreviation)

COC Number: NO 33919

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

5.2°C Ice Pack Bubble

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Date : 05-JUL-2011 16:00

Client ID:

Instrument: GCMS7.i

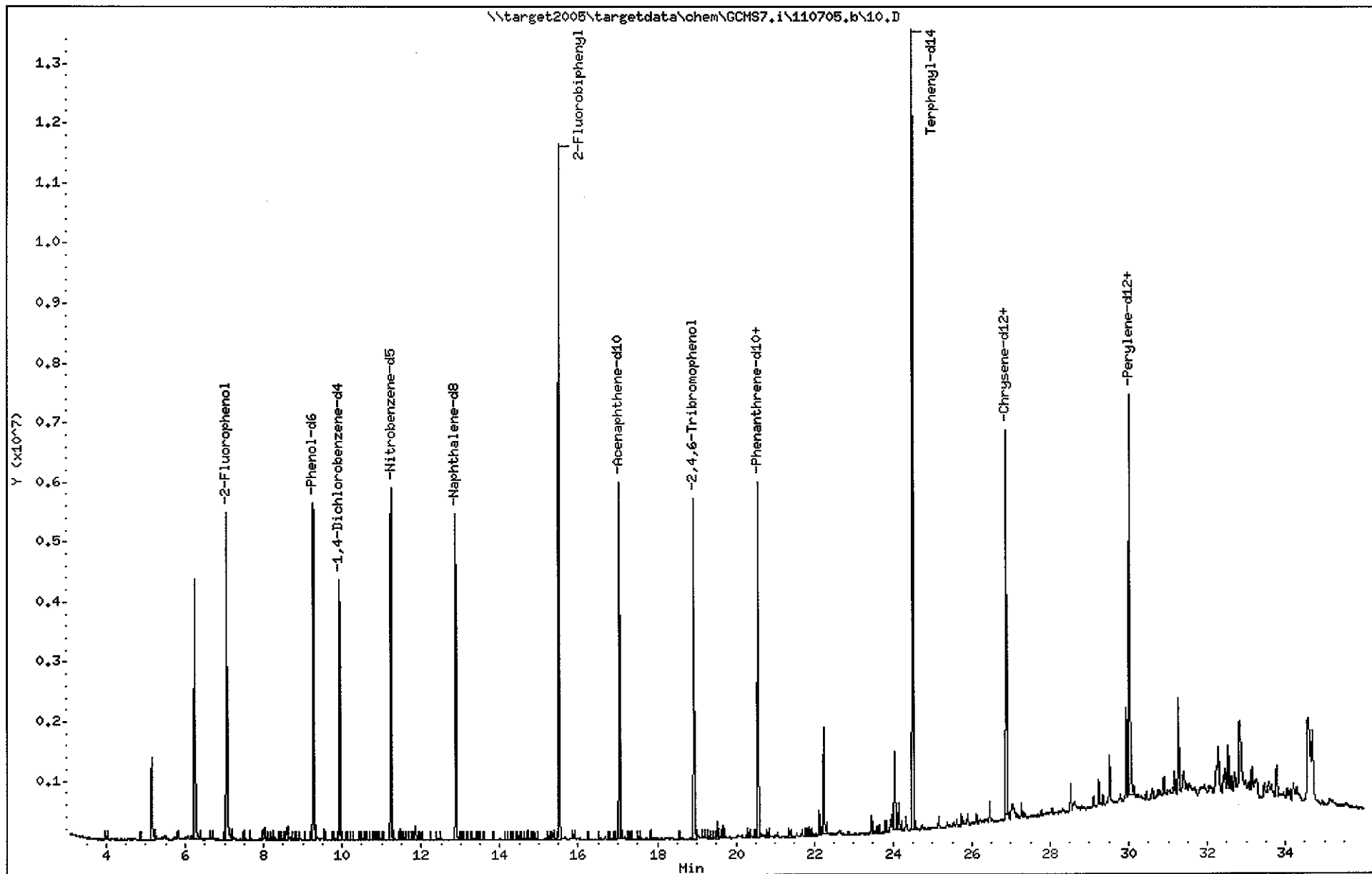
Sample Info: 1102850-13

Volume Injected (uL): 1.0

Operator: vp

Column phase:

Column diameter: 2.50



Date : 05-JUL-2011 14:32

Client ID:

Instrument: GCMS7.i

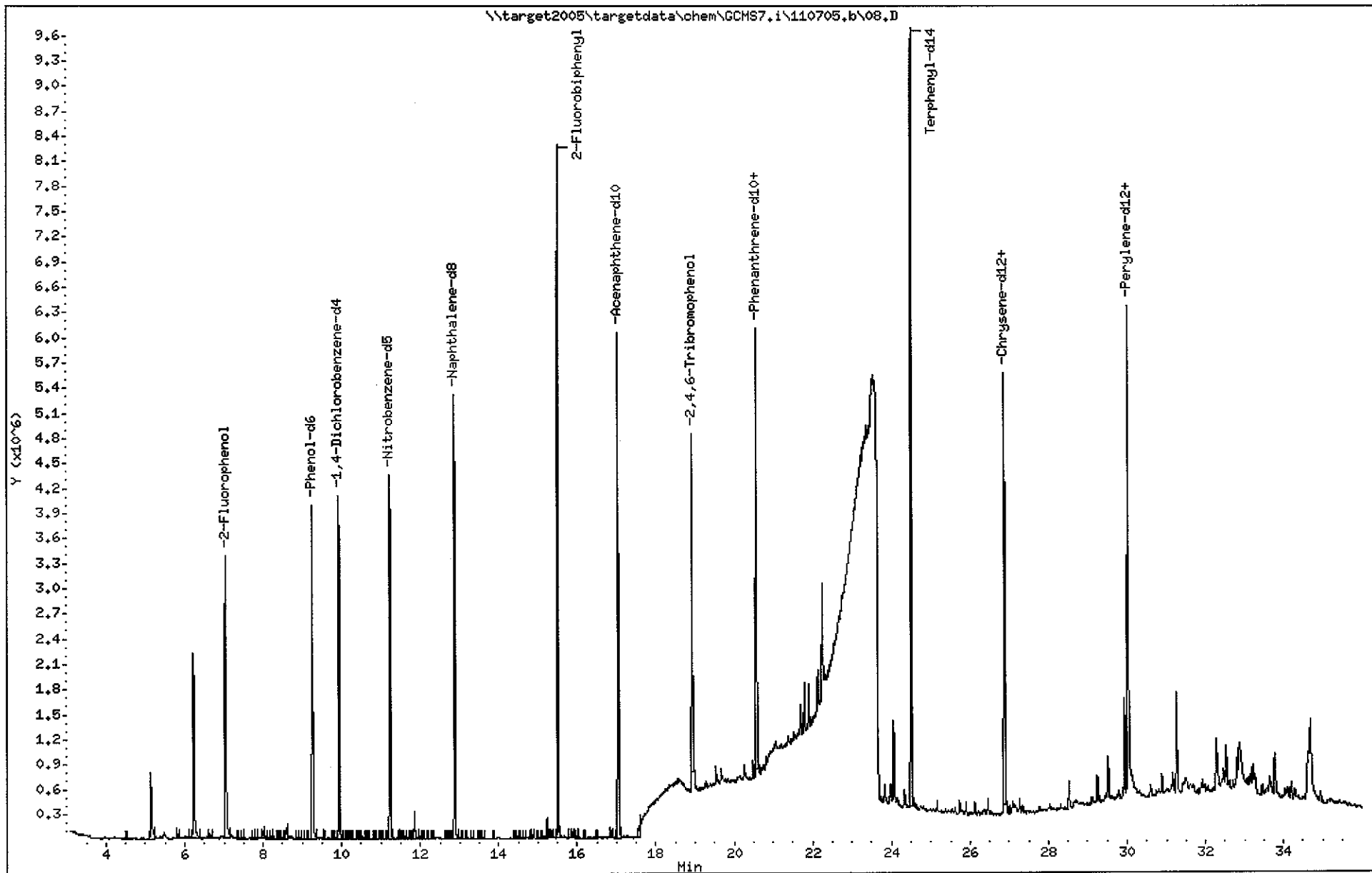
Sample Info: 1102850-16

Operator: vp

Volume Injected (uL): 1.0

Column phase:

Column diameter: 2.50





88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 18, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102864
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/27/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Bach Pham".

Bach Pham
Report Reviewer
bpham@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
237F-SS1_0.5-0.5	1102864-01	Soil	06/24/11 08:00	06/27/11 15:53
237F-SS2_0.5-0.5	1102864-02	Soil	06/24/11 08:30	06/27/11 15:53
237F-SS3_0.5-0.5	1102864-03	Soil	06/24/11 08:45	06/27/11 15:53
224A-SS1_0.5-0.5	1102864-04	Soil	06/24/11 09:15	06/27/11 15:53
224A-SS2_0.5-0.5	1102864-05	Soil	06/24/11 09:30	06/27/11 15:53
240C-SS1_0.5-0.5	1102864-06	Soil	06/24/11 10:00	06/27/11 15:53
240C-SS2_0.5-0.5	1102864-07	Soil	06/24/11 10:30	06/27/11 15:53
240C-SS3_0.5-0.5	1102864-08	Soil	06/24/11 11:00	06/27/11 15:53
707FFF-SS1_0.5-0.5	1102864-09	Soil	06/24/11 14:00	06/27/11 15:53
M-1	1102864-10	Soil	06/24/11 00:00	06/27/11 15:53
FB-1	1102864-11	Water	06/24/11 13:45	06/27/11 15:53
707FFF-SS2_0.5-0.5	1102864-12	Soil	06/24/11 14:30	06/27/11 15:53
FB-2	1102864-13	Water	06/24/11 14:45	06/27/11 15:53
716A-SS1_0.5-0.5	1102864-14	Soil	06/24/11 15:30	06/27/11 15:53

Shipping Container Information

Default Cooler Temperature (°C): 3.9

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Recovery for the 8270 matrix spike compound anthracene was below laboratory limits in the batch B1F3010 MSD. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS/MS.

Recoveries for several 8270 matrix spike compounds were below laboratory limits in the batch B1G0607 MS/MSD due to sample matrix interference. The MS/MSD source sample was 707FFF-SS2_0.5-0.5. All target analytes were within limits in the LCS.

Methylene chloride was detected in the method blank between the MDL and RL for 8260 batch B1F3019. Samples with methylene chloride detections less than or equal to 10 times the blank contamination are qualified.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237F-SS1_0.5-0.5 (1102864-01) Soil Sampled: 06/24/11 08:00 Received: 06/27/11 15:53										
Arsenic	5.3	0.57	0.063	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	71	1.1	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	14	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	12	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
237F-SS2_0.5-0.5 (1102864-02) Soil Sampled: 06/24/11 08:30 Received: 06/27/11 15:53										
Arsenic	2.8	0.54	0.059	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	35	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	10	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	3.7	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
237F-SS3_0.5-0.5 (1102864-03) Soil Sampled: 06/24/11 08:45 Received: 06/27/11 15:53										
Arsenic	3.8	0.60	0.065	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	41	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.039	mg/kg dry	1	"	"	"	"	
Chromium	11	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	14	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
224A-SS1_0.5-0.5 (1102864-04) Soil Sampled: 06/24/11 09:15 Received: 06/27/11 15:53										
Arsenic	5.2	0.58	0.064	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	81	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	13	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	7.6	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
224A-SS2_0.5-0.5 (1102864-05) Soil Sampled: 06/24/11 09:30 Received: 06/27/11 15:53										
Arsenic	5.4	0.65	0.071	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
224A-SS2_0.5-0.5 (1102864-05) Soil Sampled: 06/24/11 09:30 Received: 06/27/11 15:53										
Barium	90	1.3	0.078	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Cadmium	<0.32	0.32	0.043	mg/kg dry	1	"	"	"	"	
Chromium	15	0.65	0.016	mg/kg dry	1	"	"	"	"	
Lead	15	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.32	0.32	0.021	mg/kg dry	1	"	"	"	"	
240C-SS1_0.5-0.5 (1102864-06) Soil Sampled: 06/24/11 10:00 Received: 06/27/11 15:53										
Arsenic	4.3	0.66	0.072	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	51	1.3	0.079	mg/kg dry	1	"	"	"	"	
Cadmium	0.44	0.33	0.043	mg/kg dry	1	"	"	"	"	
Chromium	10	0.66	0.016	mg/kg dry	1	"	"	"	"	
Lead	22	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.13	0.13	0.025	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.33	0.33	0.021	mg/kg dry	1	"	"	"	"	
240C-SS2_0.5-0.5 (1102864-07) Soil Sampled: 06/24/11 10:30 Received: 06/27/11 15:53										
Arsenic	4.3	0.58	0.064	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	68	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	0.36	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	12	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	18	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.024	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
240C-SS3_0.5-0.5 (1102864-08) Soil Sampled: 06/24/11 11:00 Received: 06/27/11 15:53										
Arsenic	2.2	0.54	0.060	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	31	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	9.2	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.5	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
707FFF-SS1_0.5-0.5 (1102864-09) Soil Sampled: 06/24/11 14:00 Received: 06/27/11 15:53										
Arsenic	3.3	0.54	0.059	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	47	1.1	0.065	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS1_0.5-0.5 (1102864-09) Soil Sampled: 06/24/11 14:00 Received: 06/27/11 15:53										
Cadmium	0.42	0.27	0.035	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Chromium	10	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	31	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.097	0.097	0.019	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
M-1 (1102864-10) Soil Sampled: 06/24/11 00:00 Received: 06/27/11 15:53										
Arsenic	3.1	0.54	0.060	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	53	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	0.37	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	13	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	28	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.017	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
FB-1 (1102864-11) Water Sampled: 06/24/11 13:45 Received: 06/27/11 15:53										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G0629	07/06/11	07/07/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
707FFF-SS2_0.5-0.5 (1102864-12) Soil Sampled: 06/24/11 14:30 Received: 06/27/11 15:53										
Arsenic	4.6	0.51	0.056	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	39	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	0.38	0.25	0.034	mg/kg dry	1	"	"	"	"	
Chromium	13	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	23	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	0.23	0.11	0.020	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
FB-2 (1102864-13) Water Sampled: 06/24/11 14:45 Received: 06/27/11 15:53										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-2 (1102864-13) Water Sampled: 06/24/11 14:45 Received: 06/27/11 15:53										
Chromium	<0.010	0.010	0.00024	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G0629	07/06/11	07/07/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
716A-SS1_0.5-0.5 (1102864-14) Soil Sampled: 06/24/11 15:30 Received: 06/27/11 15:53										
Aroclor 1016	<0.22	0.22	0.0088	mg/kg dry	1	B1F2908	06/29/11	06/30/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.026	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.044	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.044	mg/kg dry	1	"	"	"	"	
Aroclor 1260	1.0	0.22	0.0066	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	91.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	105			60.9-138 %		"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237F-SS1_0.5-0.5 (1102864-01) Soil	Sampled: 06/24/11 08:00		Received: 06/27/11 15:53							
% Solids	87			%	1	B1F3008	06/30/11	06/30/11	% calculation	
237F-SS2_0.5-0.5 (1102864-02) Soil	Sampled: 06/24/11 08:30		Received: 06/27/11 15:53							
% Solids	93			%	1	B1F3008	06/30/11	06/30/11	% calculation	
237F-SS3_0.5-0.5 (1102864-03) Soil	Sampled: 06/24/11 08:45		Received: 06/27/11 15:53							
% Solids	84			%	1	B1F3008	06/30/11	06/30/11	% calculation	
224A-SS1_0.5-0.5 (1102864-04) Soil	Sampled: 06/24/11 09:15		Received: 06/27/11 15:53							
% Solids	86			%	1	B1F3008	06/30/11	06/30/11	% calculation	
224A-SS2_0.5-0.5 (1102864-05) Soil	Sampled: 06/24/11 09:30		Received: 06/27/11 15:53							
% Solids	77			%	1	B1F3008	06/30/11	06/30/11	% calculation	
240C-SS1_0.5-0.5 (1102864-06) Soil	Sampled: 06/24/11 10:00		Received: 06/27/11 15:53							
% Solids	76			%	1	B1F3008	06/30/11	06/30/11	% calculation	
240C-SS2_0.5-0.5 (1102864-07) Soil	Sampled: 06/24/11 10:30		Received: 06/27/11 15:53							
% Solids	80			%	1	B1F3008	06/30/11	06/30/11	% calculation	
240C-SS3_0.5-0.5 (1102864-08) Soil	Sampled: 06/24/11 11:00		Received: 06/27/11 15:53							
% Solids	87			%	1	B1F3008	06/30/11	06/30/11	% calculation	
707FFF-SS1_0.5-0.5 (1102864-09) Soil	Sampled: 06/24/11 14:00		Received: 06/27/11 15:53							
% Solids	93			%	1	B1F3008	06/30/11	06/30/11	% calculation	
M-1 (1102864-10) Soil	Sampled: 06/24/11 00:00		Received: 06/27/11 15:53							
% Solids	92			%	1	B1F3008	06/30/11	06/30/11	% calculation	
707FFF-SS2_0.5-0.5 (1102864-12) Soil	Sampled: 06/24/11 14:30		Received: 06/27/11 15:53							
% Solids	93			%	1	B1F3008	06/30/11	06/30/11	% calculation	
716A-SS1_0.5-0.5 (1102864-14) Soil	Sampled: 06/24/11 15:30		Received: 06/27/11 15:53							
% Solids	90			%	1	B1G0508	07/05/11	07/05/11	% calculation	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00-48RI-510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102864
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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237F-SS1_0.5-0.5 (1102864-01) Soil Sampled: 06/24/11 08:00 Received: 06/27/11 15:53

1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1F3010	06/30/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237F-SS1_0.5-0.5 (1102864-01) Soil Sampled: 06/24/11 08:00 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1F3010	06/30/11	07/05/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.085	0.38	0.051	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.046	0.38	0.046	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	66.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	80.0			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00-48RI-510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102864
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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237F-SS2_0.5-0.5 (1102864-02) Soil **Sampled: 06/24/11 08:30** **Received: 06/27/11 15:53**

1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00-48RI-510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102864
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237F-SS2_0.5-0.5 (1102864-02) Soil Sampled: 06/24/11 08:30 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	78.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	83.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237F-SS3_0.5-0.5 (1102864-03) Soil Sampled: 06/24/11 08:45 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237F-SS3_0.5-0.5 (1102864-03) Soil Sampled: 06/24/11 08:45 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.057	0.39	0.057	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	82.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	64.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	61.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	90.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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224A-SS1_0.5-0.5 (1102864-04) Soil **Sampled: 06/24/11 09:15** **Received: 06/27/11 15:53**

1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
224A-SS1_0.5-0.5 (1102864-04) Soil Sampled: 06/24/11 09:15 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.056	0.38	0.056	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	82.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
224A-SS2_0.5-0.5 (1102864-05) Soil Sampled: 06/24/11 09:30 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.040	0.43	0.040	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.040	0.43	0.040	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.038	0.43	0.038	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.10	0.87	0.10	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.048	0.87	0.048	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.87	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.097	0.87	0.097	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.87	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.042	0.87	0.042	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.090	0.87	0.090	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.051	0.43	0.051	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.044	0.43	0.044	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.078	0.87	0.078	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.044	0.87	0.044	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.049	0.43	0.049	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.87	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.042	0.87	0.042	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.1	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.035	0.43	0.035	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.044	0.87	0.044	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.086	0.87	0.086	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.035	0.87	0.035	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.044	0.43	0.044	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.87	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.049	0.43	0.049	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.053	0.43	0.053	mg/kg dry	1	"	"	"	"	
Aniline	<0.040	0.87	0.040	mg/kg dry	1	"	"	"	"	
Anthracene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
Benzidine	<0.25	3.2	0.25	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.053	0.43	0.053	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.055	0.43	0.055	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.056	0.43	0.056	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.056	0.43	0.056	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00-48RI-510
Project Manager: Ms. Andrea Nord

Work Order #: 1102864
Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
224A-SS2_0.5-0.5 (1102864-05) Soil Sampled: 06/24/11 09:30 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.062	0.43	0.062	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.031	0.43	0.031	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.87	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.044	0.43	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.044	0.43	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.062	0.43	0.062	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.055	0.43	0.055	mg/kg dry	1	"	"	"	"	
Carbazole	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
Chrysene	<0.057	0.43	0.057	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.056	0.43	0.056	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.040	0.43	0.040	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.057	0.43	0.057	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.062	0.43	0.062	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.051	0.43	0.051	mg/kg dry	1	"	"	"	"	
Fluorene	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.031	0.43	0.031	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.052	0.43	0.052	mg/kg dry	1	"	"	"	"	
Isophorone	<0.040	0.43	0.040	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.029	0.43	0.029	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.034	0.43	0.034	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.10	0.87	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
Phenol	<0.090	0.87	0.090	mg/kg dry	1	"	"	"	"	
Pyrene	<0.053	0.43	0.053	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	77.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	74.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	81.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
240C-SS1_0.5-0.5 (1102864-06) Soil Sampled: 06/24/11 10:00 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.041	0.43	0.041	mg/kg dry	1	B1G0607	07/06/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.041	0.43	0.041	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.038	0.43	0.038	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.10	0.88	0.10	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.049	0.88	0.049	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.099	0.88	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.042	0.88	0.042	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	0.13	0.43	0.046	mg/kg dry	1	"	"	"	"	J
2,6-Dichlorophenol	<0.091	0.88	0.091	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.051	0.43	0.051	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.079	0.88	0.079	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.045	0.88	0.045	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.050	0.43	0.050	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.042	0.88	0.042	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.20	2.1	0.20	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.036	0.43	0.036	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.045	0.88	0.045	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.087	0.88	0.087	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.036	0.88	0.036	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.88	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.050	0.43	0.050	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.054	0.43	0.054	mg/kg dry	1	"	"	"	"	
Aniline	<0.041	0.88	0.041	mg/kg dry	1	"	"	"	"	
Anthracene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
Benzidine	<0.25	3.3	0.25	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.054	0.43	0.054	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.055	0.43	0.055	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.073	0.43	0.057	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.057	0.43	0.057	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
240C-SS1_0.5-0.5 (1102864-06) Soil Sampled: 06/24/11 10:00 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.063	0.43	0.063	mg/kg dry	1	B1G0607	07/06/11	07/08/11	EPA 8270C	
Benzoic acid	<0.032	0.43	0.032	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.88	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.046	0.43	0.046	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.063	0.43	0.063	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.055	0.43	0.055	mg/kg dry	1	"	"	"	"	
Carbazole	<0.046	0.43	0.046	mg/kg dry	1	"	"	"	"	
Chrysene	<0.058	0.43	0.058	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.057	0.43	0.057	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.041	0.43	0.041	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.40	0.43	0.058	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.063	0.43	0.063	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.064	0.43	0.051	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.046	0.43	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.032	0.43	0.032	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.053	0.43	0.053	mg/kg dry	1	"	"	"	"	
Isophorone	<0.041	0.43	0.041	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.029	0.43	0.029	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.034	0.43	0.034	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.10	0.88	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
Phenol	<0.091	0.88	0.091	mg/kg dry	1	"	"	"	"	
Pyrene	0.063	0.43	0.054	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	76.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	82.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
240C-SS2_0.5-0.5 (1102864-07) Soil Sampled: 06/24/11 10:30 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.84	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.094	0.84	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.075	0.84	0.075	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.84	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.082	0.84	0.082	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.84	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.84	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.1	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
240C-SS2_0.5-0.5 (1102864-07) Soil Sampled: 06/24/11 10:30 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.060	0.41	0.060	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.050	0.41	0.050	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Phenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	59.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	52.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	58.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	62.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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240C-SS3_0.5-0.5 (1102864-08) Soil Sampled: 06/24/11 11:00 Received: 06/27/11 15:53

1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
240C-SS3_0.5-0.5 (1102864-08) Soil Sampled: 06/24/11 11:00 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	0.69	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.046	0.38	0.046	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	73.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	70.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	74.3			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00-48RI-510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102864
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS1_0.5-0.5 (1102864-09) Soil Sampled: 06/24/11 14:00 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.086	0.35	0.039	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.38	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	0.67	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	2.0	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	1.8	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	2.5	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.94	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS1_0.5-0.5 (1102864-09) Soil Sampled: 06/24/11 14:00 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	0.97	0.35	0.052	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	0.53	0.35	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	2.3	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.28	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.19	0.35	0.035	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	4.5	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	0.34	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	1.1	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	0.14	0.35	0.035	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	3.6	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	4.2	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	89.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	76.2			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00-48RI-510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102864
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102864-10) Soil Sampled: 06/24/11 00:00 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.042	0.36	0.039	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.25	0.36	0.041	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.46	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	1.5	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	1.4	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	1.9	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.63	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00-48RI-510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102864
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102864-10) Soil Sampled: 06/24/11 00:00 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	0.76	0.36	0.052	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	0.33	0.36	0.038	mg/kg dry	1	"	"	"	"	J
Chrysene	1.8	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.20	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.11	0.36	0.036	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	3.4	0.36	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	0.22	0.36	0.038	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.78	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	0.054	0.36	0.036	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	2.5	0.36	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	3.2	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	82.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	71.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-1 (1102864-11) Water **Sampled: 06/24/11 13:45** **Received: 06/27/11 15:53**

1,2,4-Trichlorobenzene	<0.30	10	0.30	ug/L	1	B1F2907	06/29/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.33	10	0.33	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.26	10	0.26	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.31	10	0.31	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.29	10	0.29	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.96	10	0.96	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.59	10	0.59	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.59	10	0.59	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.63	10	0.63	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.57	10	0.57	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.2	10	1.2	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.45	10	0.45	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.50	10	0.50	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.53	10	0.53	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.60	10	0.60	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.39	10	0.39	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.88	10	0.88	ug/L	1	"	"	"	"	
2-Methylphenol	<0.48	10	0.48	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.60	10	0.60	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.93	10	0.93	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.41	10	0.41	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<7.2	25	7.2	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.1	10	1.1	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<1.0	10	1.0	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.42	10	0.42	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.48	10	0.48	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.3	10	1.3	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.31	10	0.31	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.90	10	0.90	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.78	10	0.78	ug/L	1	"	"	"	"	
Acenaphthene	<0.60	10	0.60	ug/L	1	"	"	"	"	
Acenaphthylene	<0.55	10	0.55	ug/L	1	"	"	"	"	
Aniline	<1.6	10	1.6	ug/L	1	"	"	"	"	
Anthracene	<0.56	10	0.56	ug/L	1	"	"	"	"	
Benzidine	<7.6	100	7.6	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.50	10	0.50	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.41	10	0.41	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.44	10	0.44	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.46	10	0.46	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1102864-11) Water Sampled: 06/24/11 13:45 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.49	10	0.49	ug/L	1	B1F2907	06/29/11	06/29/11	EPA 8270C	
Benzoic acid	<0.52	10	0.52	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.2	10	1.2	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.27	10	0.27	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.22	10	0.22	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.23	10	0.23	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.81	10	0.81	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.45	10	0.45	ug/L	1	"	"	"	"	
Carbazole	<0.33	10	0.33	ug/L	1	"	"	"	"	
Chrysene	<0.61	10	0.61	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.55	10	0.55	ug/L	1	"	"	"	"	
Dibenzofuran	<0.59	10	0.59	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.30	10	0.30	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.33	10	0.33	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.39	10	0.39	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.67	10	0.67	ug/L	1	"	"	"	"	
Fluoranthene	<0.61	10	0.61	ug/L	1	"	"	"	"	
Fluorene	<0.52	10	0.52	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.40	10	0.40	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.41	10	0.41	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.35	10	0.35	ug/L	1	"	"	"	"	
Hexachloroethane	<0.33	10	0.33	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.39	10	0.39	ug/L	1	"	"	"	"	
Isophorone	<0.26	10	0.26	ug/L	1	"	"	"	"	
Naphthalene	<0.52	10	0.52	ug/L	1	"	"	"	"	
Nitrobenzene	<0.37	10	0.37	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.48	10	0.48	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.25	10	0.25	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.38	10	0.38	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.90	10	0.90	ug/L	1	"	"	"	"	
Phenanthrene	<0.35	10	0.35	ug/L	1	"	"	"	"	
Phenol	<0.41	10	0.41	ug/L	1	"	"	"	"	
Pyrene	<0.66	10	0.66	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	90.2			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	84.4			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.6			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	85.6			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	67.4			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	100			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS2_0.5-0.5 (1102864-12) Soil Sampled: 06/24/11 14:30 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.27	0.35	0.039	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	1.5	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	2.9	0.35	0.039	mg/kg dry	1	"	"	"	"	QM-05
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	4.8	0.35	0.044	mg/kg dry	1	"	"	"	"	QM-05
Benzo(a)pyrene	3.8	0.35	0.045	mg/kg dry	1	"	"	"	"	QM-05
Benzo(b)fluoranthene	4.9	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	1.5	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS2_0.5-0.5 (1102864-12) Soil Sampled: 06/24/11 14:30 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	2.0	0.35	0.052	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	0.063	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Carbazole	1.5	0.35	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	5.2	0.35	0.047	mg/kg dry	1	"	"	"	"	QM-05
Dibenz(a,h)anthracene	0.54	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.77	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	9.8	0.35	0.042	mg/kg dry	1	"	"	"	"	QM-05
Fluorene	1.6	0.35	0.038	mg/kg dry	1	"	"	"	"	QM-05
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	1.9	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	0.33	0.35	0.035	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	10	0.35	0.039	mg/kg dry	1	"	"	"	"	QM-05
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	9.0	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	85.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	56.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	76.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-2 (1102864-13) Water Sampled: 06/24/11 14:45 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1F2907	06/29/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-2 (1102864-13) Water Sampled: 06/24/11 14:45 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1F2907	06/29/11	06/29/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	77.4			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.6			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.2			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.8			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	55.6			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.2			30-116 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00-48RI-510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102864
 Date Reported: 07/18/11

VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS1_0.5-0.5 (1102864-09) Soil Sampled: 06/24/11 14:00 Received: 06/27/11 15:53										
1,1,1,2-Tetrachloroethane	<0.058	0.24	0.058	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1,1-Trichloroethane	<0.031	0.24	0.031	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.025	0.24	0.025	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.033	0.24	0.033	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.067	0.24	0.067	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.023	0.24	0.023	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.024	0.24	0.024	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.24	0.021	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.060	0.49	0.060	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.023	0.24	0.023	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.026	0.49	0.026	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.24	0.018	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.068	0.49	0.068	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.24	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.24	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.026	0.24	0.026	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.030	0.24	0.030	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.24	0.020	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.025	0.24	0.025	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.24	0.022	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.24	0.017	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.059	0.49	0.059	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.086	2.0	0.086	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.24	0.014	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.24	0.021	mg/kg dry	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.057	0.49	0.057	mg/kg dry	1	"	"	"	"	
Benzene	<0.015	0.24	0.015	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.026	0.24	0.026	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.036	0.24	0.036	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.026	0.24	0.026	mg/kg dry	1	"	"	"	"	
Bromoform	<0.026	0.49	0.026	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.11	0.49	0.11	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.033	0.24	0.033	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.019	0.24	0.019	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.036	0.24	0.036	mg/kg dry	1	"	"	"	"	
Chloroform	<0.021	0.24	0.021	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.060	0.24	0.060	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.025	0.24	0.025	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS1_0.5-0.5 (1102864-09) Soil Sampled: 06/24/11 14:00 Received: 06/27/11 15:53										
cis-1,3-Dichloropropene	<0.022	0.24	0.022	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
Dibromochloromethane	<0.033	0.24	0.033	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.028	0.24	0.028	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.097	0.49	0.097	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.037	0.24	0.037	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.037	0.49	0.037	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.011	0.24	0.011	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.068	0.98	0.068	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.019	0.24	0.019	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.046	0.49	0.046	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.080	0.49	0.080	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.24	0.016	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.33	0.98	0.057	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.054	0.49	0.054	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.026	0.24	0.026	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.021	0.24	0.021	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.024	0.24	0.024	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.24	0.014	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.24	0.017	mg/kg dry	1	"	"	"	"	
Styrene	<0.020	0.24	0.020	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.24	0.018	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.027	0.24	0.027	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg dry	1	"	"	"	"	
Toluene	<0.016	0.24	0.016	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.029	0.24	0.029	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.24	0.023	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.040	0.24	0.040	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.034	0.24	0.034	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.064	0.24	0.064	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.6			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	89.5			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	89.9			78.1-125 %		"	"	"	"	

M-1 (1102864-10) Soil Sampled: 06/24/11 00:00 Received: 06/27/11 15:53										
1,1,1,2-Tetrachloroethane	<0.064	0.27	0.064	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1,1-Trichloroethane	<0.035	0.27	0.035	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.028	0.27	0.028	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.037	0.27	0.037	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.074	0.27	0.074	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.025	0.27	0.025	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102864-10) Soil Sampled: 06/24/11 00:00 Received: 06/27/11 15:53										
1,1-Dichloroethene	<0.027	0.27	0.027	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1-Dichloropropene	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.066	0.54	0.066	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.026	0.27	0.026	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.029	0.54	0.029	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.020	0.27	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.075	0.54	0.075	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.024	0.27	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.022	0.27	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.034	0.27	0.034	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.022	0.27	0.022	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.028	0.27	0.028	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.024	0.27	0.024	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.018	0.27	0.018	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.065	0.54	0.065	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.096	2.2	0.096	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.015	0.27	0.015	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
Acetone	<0.21	2.2	0.21	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.063	0.54	0.063	mg/kg dry	1	"	"	"	"	
Benzene	<0.016	0.27	0.016	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.040	0.27	0.040	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	
Bromoform	<0.029	0.54	0.029	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.54	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.037	0.27	0.037	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.021	0.27	0.021	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.040	0.27	0.040	mg/kg dry	1	"	"	"	"	
Chloroform	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.066	0.27	0.066	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.028	0.27	0.028	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.024	0.27	0.024	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.037	0.27	0.037	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.032	0.27	0.032	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.11	0.54	0.11	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.041	0.27	0.041	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.041	0.54	0.041	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102864-10) Soil Sampled: 06/24/11 00:00 Received: 06/27/11 15:53										
Ethylbenzene	<0.012	0.27	0.012	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
Hexachlorobutadiene	<0.075	1.1	0.075	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.021	0.27	0.021	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.051	0.54	0.051	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.089	0.54	0.089	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.017	0.27	0.017	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.40	1.1	0.063	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	0.090	0.54	0.060	mg/kg dry	1	"	"	"	"	J
n-Butylbenzene	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.027	0.27	0.027	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.015	0.27	0.015	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.018	0.27	0.018	mg/kg dry	1	"	"	"	"	
Styrene	<0.022	0.27	0.022	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.020	0.27	0.020	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.030	0.27	0.030	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.13	2.2	0.13	mg/kg dry	1	"	"	"	"	
Toluene	<0.017	0.27	0.017	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.033	0.27	0.033	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.025	0.27	0.025	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.045	0.27	0.045	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.038	0.27	0.038	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.071	0.27	0.071	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.5			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	89.1			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	89.3			78.1-125 %		"	"	"	"	

FB-1 (1102864-11) Water Sampled: 06/24/11 13:45 Received: 06/27/11 15:53										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G0604	07/06/11	07/06/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1102864-11) Water Sampled: 06/24/11 13:45 Received: 06/27/11 15:53										
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	B1G0604	07/06/11	07/06/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1102864-11) Water Sampled: 06/24/11 13:45 Received: 06/27/11 15:53										
Methylene chloride	<0.85	5.0	0.85	ug/L	1	B1G0604	07/06/11	07/06/11	EPA 8260B	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	95.5			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	97.1			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	97.7			80-120 %		"	"	"	"	

707FFF-SS2_0.5-0.5 (1102864-12) Soil Sampled: 06/24/11 14:30 Received: 06/27/11 15:53										W-03
1,1,1,2-Tetrachloroethane	<0.080	0.34	0.080	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1,1-Trichloroethane	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.092	0.34	0.092	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.083	0.68	0.083	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.033	0.34	0.033	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS2_0.5-0.5 (1102864-12) Soil										W-03
Sampled: 06/24/11 14:30 Received: 06/27/11 15:53										
1,3-Dichlorobenzene	<0.035	0.34	0.035	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,3-Dichloropropane	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.12	2.7	0.12	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.019	0.34	0.019	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
Acetone	<0.26	2.7	0.26	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Benzene	<0.020	0.34	0.020	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Bromoform	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.15	0.68	0.15	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	0.18	0.34	0.046	mg/kg dry	1	"	"	"	"	J
Chlorobenzene	<0.026	0.34	0.026	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Chloroform	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.083	0.34	0.083	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.13	0.68	0.13	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.052	0.34	0.052	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.052	0.68	0.052	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.015	0.34	0.015	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.094	1.4	0.094	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.026	0.34	0.026	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.064	0.68	0.064	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.11	0.68	0.11	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.53	1.4	0.079	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	0.13	0.68	0.075	mg/kg dry	1	"	"	"	"	J
n-Butylbenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.019	0.34	0.019	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS2_0.5-0.5 (1102864-12) Soil	Sampled: 06/24/11 14:30 Received: 06/27/11 15:53									W-03
sec-Butylbenzene	<0.023	0.34	0.023	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
Styrene	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.16	2.7	0.16	mg/kg dry	1	"	"	"	"	
Toluene	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.056	0.34	0.056	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.047	0.34	0.047	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.088	0.34	0.088	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.5			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	90.2			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.0			78.1-125 %		"	"	"	"	

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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237F-SS1_0.5-0.5 (1102864-01) Soil Sampled: 06/24/11 08:00 Received: 06/27/11 15:53										
Flashpoint	>140			°F	1	B1G0810	07/08/11	07/08/11	EPA 1010A/ASTM D93(M)	
237F-SS2_0.5-0.5 (1102864-02) Soil Sampled: 06/24/11 08:30 Received: 06/27/11 15:53										
Flashpoint	>140			°F	1	B1G0810	07/08/11	07/08/11	EPA 1010A/ASTM D93(M)	
237F-SS3_0.5-0.5 (1102864-03) Soil Sampled: 06/24/11 08:45 Received: 06/27/11 15:53										
Flashpoint	>140			°F	1	B1G0810	07/08/11	07/08/11	EPA 1010A/ASTM D93(M)	
224A-SS1_0.5-0.5 (1102864-04) Soil Sampled: 06/24/11 09:15 Received: 06/27/11 15:53										
Flashpoint	>140			°F	1	B1G0810	07/08/11	07/08/11	EPA 1010A/ASTM D93(M)	
224A-SS2_0.5-0.5 (1102864-05) Soil Sampled: 06/24/11 09:30 Received: 06/27/11 15:53										
Flashpoint	>140			°F	1	B1G0810	07/08/11	07/08/11	EPA 1010A/ASTM D93(M)	
240C-SS1_0.5-0.5 (1102864-06) Soil Sampled: 06/24/11 10:00 Received: 06/27/11 15:53										
Flashpoint	>140			°F	1	B1G0810	07/08/11	07/08/11	EPA 1010A/ASTM D93(M)	
240C-SS2_0.5-0.5 (1102864-07) Soil Sampled: 06/24/11 10:30 Received: 06/27/11 15:53										
Flashpoint	>140			°F	1	B1G0810	07/08/11	07/08/11	EPA 1010A/ASTM D93(M)	
240C-SS3_0.5-0.5 (1102864-08) Soil Sampled: 06/24/11 11:00 Received: 06/27/11 15:53										
Flashpoint	>140			°F	1	B1G0810	07/08/11	07/08/11	EPA 1010A/ASTM D93(M)	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3006 - EPA 3050B

Blank (B1F3006-BLK1)

Prepared & Analyzed: 06/30/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1F3006-BS1)

Prepared & Analyzed: 06/30/11

Arsenic	43.1	0.50	0.055	mg/kg wet	39.9		108	80-120			
Barium	42.7	1.0	0.060	mg/kg wet	39.9		107	80-120			
Cadmium	42.2	0.25	0.033	mg/kg wet	39.9		106	80-120			
Chromium	42.9	0.50	0.012	mg/kg wet	39.9		107	80-120			
Lead	42.4	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	43.3	1.0	0.095	mg/kg wet	39.9		109	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1F3006-BSD1)

Prepared & Analyzed: 06/30/11

Arsenic	42.5	0.50	0.055	mg/kg wet	39.9		107	80-120	1.40	20	
Barium	42.2	1.0	0.060	mg/kg wet	39.9		106	80-120	1.25	20	
Cadmium	41.4	0.25	0.033	mg/kg wet	39.9		104	80-120	1.87	20	
Chromium	42.3	0.50	0.012	mg/kg wet	39.9		106	80-120	1.33	20	
Lead	41.7	1.0	0.14	mg/kg wet	39.9		105	80-120	1.59	20	
Selenium	42.7	1.0	0.095	mg/kg wet	39.9		107	80-120	1.56	20	
Silver	4.03	0.25	0.016	mg/kg wet	3.99		101	80-120	3.10	20	

Matrix Spike (B1F3006-MS1)

Source: 1102864-01

Prepared & Analyzed: 06/30/11

Arsenic	50.7	0.57	0.063	mg/kg dry	45.6	5.26	99.5	75-125			
Barium	116	1.1	0.069	mg/kg dry	45.6	71.3	97.1	75-125			
Cadmium	45.2	0.29	0.038	mg/kg dry	45.6	<0.29	98.7	75-125			
Chromium	59.1	0.57	0.014	mg/kg dry	45.6	13.7	99.4	75-125			
Lead	53.5	1.1	0.16	mg/kg dry	45.6	11.9	91.1	75-125			
Selenium	46.0	1.1	0.11	mg/kg dry	45.6	<1.1	100	75-125			
Silver	4.23	0.29	0.018	mg/kg dry	4.56	<0.29	92.7	75-125			

Matrix Spike Dup (B1F3006-MSD1)

Source: 1102864-01

Prepared & Analyzed: 06/30/11

Arsenic	50.9	0.57	0.063	mg/kg dry	45.0	5.26	101	75-125	0.486	20	
Barium	122	1.1	0.069	mg/kg dry	45.0	71.3	112	75-125	5.19	20	
Cadmium	45.0	0.29	0.038	mg/kg dry	45.0	<0.29	99.7	75-125	0.329	20	
Chromium	60.5	0.57	0.014	mg/kg dry	45.0	13.7	104	75-125	2.31	20	
Lead	53.6	1.1	0.16	mg/kg dry	45.0	11.9	92.4	75-125	0.0836	20	
Selenium	46.0	1.1	0.11	mg/kg dry	45.0	<1.1	102	75-125	0.0223	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F3006 - EPA 3050B											
Matrix Spike Dup (B1F3006-MSD1)		Source: 1102864-01		Prepared & Analyzed: 06/30/11							
Silver	4.14	0.29	0.018	mg/kg dry	4.50	<0.29	91.8	75-125	2.30	20	
Batch B1G0104 - EPA 7471A											
Blank (B1G0104-BLK1)		Prepared: 07/01/11 Analyzed: 07/06/11									
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0104-BS1)		Prepared: 07/01/11 Analyzed: 07/06/11									
Mercury	0.235	0.10	0.019	mg/kg wet	0.200		118	80-120			
LCS Dup (B1G0104-BSD1)		Prepared: 07/01/11 Analyzed: 07/06/11									
Mercury	0.218	0.10	0.019	mg/kg wet	0.200		109	80-120	7.51	20	
Matrix Spike (B1G0104-MS1)		Source: 1102864-01		Prepared: 07/01/11 Analyzed: 07/06/11							
Mercury	0.252	0.10	0.020	mg/kg dry	0.207	<0.10	109	75-125			
Matrix Spike Dup (B1G0104-MSD1)		Source: 1102864-01		Prepared: 07/01/11 Analyzed: 07/06/11							
Mercury	0.258	0.11	0.020	mg/kg dry	0.213	<0.11	109	75-125	2.17	20	
Batch B1G0602 - EPA 200.7/3005A Digestion											
Blank (B1G0602-BLK1)		Prepared & Analyzed: 07/06/11									
Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							
LCS (B1G0602-BS1)		Prepared & Analyzed: 07/06/11									
Arsenic	0.419	0.010	0.0011	mg/L	0.399		105	80-120			
Barium	0.412	0.020	0.0012	mg/L	0.399		103	80-120			
Cadmium	0.419	0.0010	0.00013	mg/L	0.399		105	80-120			
Chromium	0.426	0.010	0.00024	mg/L	0.399		107	80-120			
Lead	0.423	0.0030	0.00042	mg/L	0.399		106	80-120			
Selenium	0.413	0.020	0.0019	mg/L	0.399		104	80-120			
Silver	0.0437	0.0050	0.00031	mg/L	0.0399		109	80-120			
LCS Dup (B1G0602-BSD1)		Prepared & Analyzed: 07/06/11									
Arsenic	0.411	0.010	0.0011	mg/L	0.399		103	80-120	1.83	20	
Barium	0.415	0.020	0.0012	mg/L	0.399		104	80-120	0.714	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399		103	80-120	1.38	20	
Chromium	0.419	0.010	0.00024	mg/L	0.399		105	80-120	1.65	20	
Lead	0.415	0.0030	0.00042	mg/L	0.399		104	80-120	1.84	20	
Selenium	0.408	0.020	0.0019	mg/L	0.399		102	80-120	1.16	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0602 - EPA 200.7/3005A Digestion											
LCS Dup (B1G0602-BSD1)											
						Prepared & Analyzed: 07/06/11					
Silver	0.0425	0.0050	0.00031	mg/L	0.0399		107	80-120	2.70	20	
Matrix Spike (B1G0602-MS1)											
						Source: 1102988-04 Prepared & Analyzed: 07/06/11					
Arsenic	0.417	0.010	0.0011	mg/L	0.399	<0.010	104	75-125			
Barium	0.416	0.020	0.0012	mg/L	0.399	<0.020	104	75-125			
Cadmium	0.415	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125			
Chromium	0.423	0.010	0.00024	mg/L	0.399	<0.010	106	75-125			
Lead	0.418	0.0030	0.00042	mg/L	0.399	<0.0030	105	75-125			
Selenium	0.409	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0429	0.0050	0.00031	mg/L	0.0399	<0.0050	107	75-125			
Matrix Spike Dup (B1G0602-MSD1)											
						Source: 1102988-04 Prepared & Analyzed: 07/06/11					
Arsenic	0.413	0.010	0.0011	mg/L	0.399	<0.010	104	75-125	0.809	20	
Barium	0.414	0.020	0.0012	mg/L	0.399	<0.020	104	75-125	0.447	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125	0.273	20	
Chromium	0.421	0.010	0.00024	mg/L	0.399	<0.010	105	75-125	0.595	20	
Lead	0.416	0.0030	0.00042	mg/L	0.399	<0.0030	104	75-125	0.517	20	
Selenium	0.407	0.020	0.0019	mg/L	0.399	<0.020	101	75-125	0.541	20	
Silver	0.0424	0.0050	0.00031	mg/L	0.0399	<0.0050	105	75-125	1.15	20	
Batch B1G0629 - EPA 245.1/7470A Digestion											
Blank (B1G0629-BLK1)											
						Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1G0629-BS1)											
						Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.00201	0.00020	0.000037	mg/L	0.00200		100	80-120			
LCS Dup (B1G0629-BSD1)											
						Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.00176	0.00020	0.000037	mg/L	0.00200		88.0	80-120	13.3	20	
Matrix Spike (B1G0629-MS1)											
						Source: 1102809-01 Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.00217	0.00020	0.000037	mg/L	0.00200	0.000548	81.1	75-125			
Matrix Spike Dup (B1G0629-MSD1)											
						Source: 1102809-01 Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.00226	0.00020	0.000037	mg/L	0.00200	0.000548	85.6	75-125	4.06	20	

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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2908 - EPA 3545 ASE Extraction											
Blank (B1F2908-BLK1)						Prepared & Analyzed: 06/29/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0607			mg/kg wet	0.0667		91.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0607			mg/kg wet	0.0667		91.0	60.9-138			
LCS (B1F2908-BS1)						Prepared & Analyzed: 06/29/11					
Aroclor 1260	0.336	0.20	0.0059	mg/kg wet	0.333		101	70-130			
Surrogate: Decachlorobiphenyl	0.0600			mg/kg wet	0.0667		90.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0597			mg/kg wet	0.0667		89.5	60.9-138			
Matrix Spike (B1F2908-MS1)						Source: 1102773-03 Prepared & Analyzed: 06/29/11					
Aroclor 1260	0.389	0.20	0.0060	mg/kg dry	0.344	<0.20	104	70-130			
Surrogate: Decachlorobiphenyl	0.0626			mg/kg dry	0.0688		91.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0626			mg/kg dry	0.0688		91.0	60.9-138			
Matrix Spike Dup (B1F2908-MSD1)						Source: 1102773-03 Prepared & Analyzed: 06/29/11					
Aroclor 1260	0.361	0.20	0.0060	mg/kg dry	0.344	<0.20	95.7	70-130	7.61	17.2	
Surrogate: Decachlorobiphenyl	0.0598			mg/kg dry	0.0688		87.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0615			mg/kg dry	0.0688		89.5	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F3008 - General Preparation											
Duplicate (B1F3008-DUP1)						Source: 1102850-01			Prepared & Analyzed: 06/30/11		
% Solids	93.0			%		93.0			0.00	20	
Duplicate (B1F3008-DUP2)						Source: 1102850-11			Prepared & Analyzed: 06/30/11		
% Solids	93.0			%		93.0			0.00	20	
Duplicate (B1F3008-DUP3)						Source: 1102864-05			Prepared & Analyzed: 06/30/11		
% Solids	76.0			%		77.0			1.31	20	
Duplicate (B1F3008-DUP4)						Source: 1102877-01			Prepared & Analyzed: 06/30/11		
% Solids	88.0			%		89.0			1.13	20	
Batch B1G0508 - General Preparation											
Duplicate (B1G0508-DUP1)						Source: 1102869-10			Prepared & Analyzed: 07/05/11		
% Solids	97.0			%		97.0			0.00	20	
Duplicate (B1G0508-DUP2)						Source: 1102932-02			Prepared & Analyzed: 07/05/11		
% Solids	88.0			%		86.0			2.30	20	
Duplicate (B1G0508-DUP3)						Source: 1102951-02			Prepared & Analyzed: 07/05/11		
% Solids	78.0			%		79.0			1.27	20	
Duplicate (B1G0508-DUP4)						Source: 1102952-01			Prepared & Analyzed: 07/05/11		
% Solids	89.0			%		88.0			1.13	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

Blank (B1F2907-BLK1)

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

Blank (B1F2907-BLK1)

Prepared & Analyzed: 06/29/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	78.8			ug/L	100		78.8	30-122			
Surrogate: 2-Fluorobiphenyl	77.5			ug/L	100		77.5	39.2-104			
Surrogate: 2-Fluorophenol	65.6			ug/L	100		65.6	30-80.1			
Surrogate: Nitrobenzene-d5	77.0			ug/L	100		77.0	51.2-103			
Surrogate: Phenol-d6	60.9			ug/L	100		60.9	30-75.3			
Surrogate: Terphenyl-d14	91.3			ug/L	100		91.3	30-116			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00-48RI-510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102864
 Date Reported: 07/18/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

LCS (B1F2907-BS1)

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	61.5	10	0.30	ug/L	100	61.5	47.4-88.7
1,4-Dichlorobenzene	58.4	10	0.29	ug/L	100	58.4	39.5-81
2,4-Dinitrotoluene	85.4	10	0.45	ug/L	100	85.4	67.2-99.3
2-Chlorophenol	80.6	10	0.39	ug/L	100	80.6	56.5-85.9
4-Chloro-3-methylphenol	88.2	10	0.48	ug/L	100	88.2	62.1-98.2
4-Nitrophenol	83.0	10	0.78	ug/L	100	83.0	40.5-98.5
Anthracene	89.2	10	0.56	ug/L	100	89.2	70.6-95.3
Benzo(a)anthracene	86.4	10	0.50	ug/L	100	86.4	73.7-96.6
Benzo(a)pyrene	87.6	10	0.41	ug/L	100	87.6	70.9-92.6
Chrysene	87.8	10	0.61	ug/L	100	87.8	71.8-97.5
Fluoranthene	88.2	10	0.61	ug/L	100	88.2	73.6-96.8
Fluorene	83.9	10	0.52	ug/L	100	83.9	69.3-93.3
N-Nitrosodi-n-propylamine	78.8	10	0.25	ug/L	100	78.8	65.9-89.3
Pentachlorophenol	86.2	10	0.90	ug/L	100	86.2	55-107
Phenanthrene	88.5	10	0.35	ug/L	100	88.5	72.5-97.6
Phenol	65.6	10	0.41	ug/L	100	65.6	34.1-71.6
Surrogate: 2,4,6-Tribromophenol	86.6			ug/L	100	86.6	30-122
Surrogate: 2-Fluorobiphenyl	82.7			ug/L	100	82.7	39.2-104
Surrogate: 2-Fluorophenol	71.0			ug/L	100	71.0	30-80.1
Surrogate: Nitrobenzene-d5	82.6			ug/L	100	82.6	51.2-103
Surrogate: Phenol-d6	65.4			ug/L	100	65.4	30-75.3
Surrogate: Terphenyl-d14	84.1			ug/L	100	84.1	30-116

Matrix Spike (B1F2907-MS1)

Source: 1102878-02

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	69.2	9.3	0.28	ug/L	92.6	<9.3	74.8	39.2-90.6
1,4-Dichlorobenzene	71.7	9.3	0.27	ug/L	92.6	<9.3	77.5	34.1-81.6
2,4-Dinitrotoluene	80.9	9.3	0.42	ug/L	92.6	<9.3	87.4	41.1-110
2-Chlorophenol	76.3	9.3	0.36	ug/L	92.6	<9.3	82.4	30-96.4
4-Chloro-3-methylphenol	84.3	9.3	0.44	ug/L	92.6	<9.3	91.1	30-113
4-Nitrophenol	82.2	9.3	0.72	ug/L	92.6	<9.3	88.8	30-112
Anthracene	83.1	9.3	0.52	ug/L	92.6	<9.3	89.8	30-119
Benzo(a)anthracene	85.6	9.3	0.46	ug/L	92.6	<9.3	92.4	30-122
Benzo(a)pyrene	82.3	9.3	0.38	ug/L	92.6	<9.3	88.9	30-118
Chrysene	86.4	9.3	0.56	ug/L	92.6	<9.3	93.3	30-125
Fluoranthene	84.1	9.3	0.56	ug/L	92.6	<9.3	90.8	31.6-119
Fluorene	78.1	9.3	0.48	ug/L	92.6	<9.3	84.3	40.8-107
N-Nitrosodi-n-propylamine	75.8	9.3	0.23	ug/L	92.6	<9.3	81.9	47.2-94.8
Pentachlorophenol	86.8	9.3	0.83	ug/L	92.6	<9.3	93.7	30-130
Phenanthrene	83.6	9.3	0.32	ug/L	92.6	<9.3	90.3	38.2-117
Phenol	62.6	9.3	0.38	ug/L	92.6	<9.3	67.6	30-80

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

Matrix Spike (B1F2907-MS1)

Source: 1102878-02

Prepared & Analyzed: 06/29/11

Surrogate: 2,4,6-Tribromophenol	80.8			ug/L	92.6		87.2	30-122			
Surrogate: 2-Fluorobiphenyl	74.6			ug/L	92.6		80.5	39.2-104			
Surrogate: 2-Fluorophenol	64.6			ug/L	92.6		69.7	30-80.1			
Surrogate: Nitrobenzene-d5	75.4			ug/L	92.6		81.4	51.2-103			
Surrogate: Phenol-d6	60.7			ug/L	92.6		65.5	30-75.3			
Surrogate: Terphenyl-d14	81.8			ug/L	92.6		88.3	30-116			

Matrix Spike Dup (B1F2907-MSD1)

Source: 1102878-02

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	66.6	9.3	0.28	ug/L	92.6	<9.3	71.9	39.2-90.6	3.86	23.6	
1,4-Dichlorobenzene	67.5	9.3	0.27	ug/L	92.6	<9.3	72.9	34.1-81.6	6.07	22.4	
2,4-Dinitrotoluene	78.3	9.3	0.42	ug/L	92.6	<9.3	84.6	41.1-110	3.27	17.2	
2-Chlorophenol	73.7	9.3	0.36	ug/L	92.6	<9.3	79.6	30-96.4	3.55	23.7	
4-Chloro-3-methylphenol	81.0	9.3	0.44	ug/L	92.6	<9.3	87.5	30-113	4.02	24.1	
4-Nitrophenol	78.5	9.3	0.72	ug/L	92.6	<9.3	84.8	30-112	4.67	34.3	
Anthracene	81.6	9.3	0.52	ug/L	92.6	<9.3	88.1	30-119	1.83	24.5	
Benzo(a)anthracene	84.3	9.3	0.46	ug/L	92.6	<9.3	91.0	30-122	1.48	27.8	
Benzo(a)pyrene	81.0	9.3	0.38	ug/L	92.6	<9.3	87.5	30-118	1.60	27.1	
Chrysene	85.1	9.3	0.56	ug/L	92.6	<9.3	91.9	30-125	1.44	28	
Fluoranthene	82.6	9.3	0.56	ug/L	92.6	<9.3	89.2	31.6-119	1.75	25.9	
Fluorene	75.9	9.3	0.48	ug/L	92.6	<9.3	82.0	40.8-107	2.80	20.6	
N-Nitrosodi-n-propylamine	72.4	9.3	0.23	ug/L	92.6	<9.3	78.2	47.2-94.8	4.54	15.8	
Pentachlorophenol	85.2	9.3	0.83	ug/L	92.6	<9.3	92.0	30-130	1.85	25.5	
Phenanthrene	81.9	9.3	0.32	ug/L	92.6	<9.3	88.4	38.2-117	2.13	19.3	
Phenol	59.9	9.3	0.38	ug/L	92.6	<9.3	64.7	30-80	4.32	31.9	
Surrogate: 2,4,6-Tribromophenol	77.1			ug/L	92.6		83.2	30-122			
Surrogate: 2-Fluorobiphenyl	72.0			ug/L	92.6		77.7	39.2-104			
Surrogate: 2-Fluorophenol	62.0			ug/L	92.6		67.0	30-80.1			
Surrogate: Nitrobenzene-d5	71.9			ug/L	92.6		77.7	51.2-103			
Surrogate: Phenol-d6	57.3			ug/L	92.6		61.9	30-75.3			
Surrogate: Terphenyl-d14	78.9			ug/L	92.6		85.2	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3010 - EPA 3545 ASE Extraction

Blank (B1F3010-BLK1)

Prepared: 06/30/11 Analyzed: 07/01/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3010 - EPA 3545 ASE Extraction

Blank (B1F3010-BLK1)

Prepared: 06/30/11 Analyzed: 07/01/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.34			mg/kg wet	6.67		80.1	53-107			
Surrogate: 2-Fluorobiphenyl	5.16			mg/kg wet	6.67		77.4	53.9-97.9			
Surrogate: 2-Fluorophenol	5.11			mg/kg wet	6.67		76.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.04			mg/kg wet	6.67		75.7	48.9-100			
Surrogate: Phenol-d6	5.29			mg/kg wet	6.67		79.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.99			mg/kg wet	6.67		89.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3010 - EPA 3545 ASE Extraction

LCS (B1F3010-BS1)

Prepared: 06/30/11 Analyzed: 07/01/11

1,2,4-Trichlorobenzene	4.39	0.33	0.031	mg/kg wet	6.67		65.8	59.1-87.7			
1,4-Dichlorobenzene	4.26	0.33	0.029	mg/kg wet	6.67		64.0	50.3-72.9			
2,4-Dinitrotoluene	5.15	0.33	0.035	mg/kg wet	6.67		77.2	59.8-82.2			
2-Chlorophenol	4.85	0.67	0.060	mg/kg wet	6.67		72.8	59.7-77.3			
4-Chloro-3-methylphenol	5.07	0.67	0.066	mg/kg wet	6.67		76.0	63.6-80.4			
4-Nitrophenol	4.96	0.67	0.093	mg/kg wet	6.67		74.4	57.3-84.9			
Anthracene	5.54	0.33	0.036	mg/kg wet	6.67		83.0	67.3-88			
Benzo(a)anthracene	5.91	0.33	0.041	mg/kg wet	6.67		88.6	66.5-90.5			
Benzo(a)pyrene	5.61	0.33	0.042	mg/kg wet	6.67		84.2	66.1-89.7			
Chrysene	5.99	0.33	0.044	mg/kg wet	6.67		89.8	65.5-90.5			
Fluoranthene	5.62	0.33	0.039	mg/kg wet	6.67		84.3	66.7-89.9			
Fluorene	5.26	0.33	0.035	mg/kg wet	6.67		78.9	66.2-85.6			
N-Nitrosodi-n-propylamine	4.86	0.33	0.033	mg/kg wet	6.67		72.9	59.4-78			
Pentachlorophenol	4.43	0.67	0.078	mg/kg wet	6.67		66.4	46.7-83.2			
Phenanthrene	5.50	0.33	0.036	mg/kg wet	6.67		82.5	67.5-87.9			
Phenol	4.97	0.67	0.069	mg/kg wet	6.67		74.5	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.79			mg/kg wet	6.67		71.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.93			mg/kg wet	6.67		74.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.79			mg/kg wet	6.67		71.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.80			mg/kg wet	6.67		72.0	48.9-100			
Surrogate: Phenol-d6	5.11			mg/kg wet	6.67		76.7	50.4-99.6			
Surrogate: Terphenyl-d14	5.47			mg/kg wet	6.67		82.0	51-99.6			

Matrix Spike (B1F3010-MS1)

Source: 1102846-05

Prepared: 06/30/11 Analyzed: 07/01/11

1,2,4-Trichlorobenzene	4.98	0.41	0.038	mg/kg dry	8.29	<0.41	60.2	44.8-97.9			
1,4-Dichlorobenzene	4.91	0.41	0.036	mg/kg dry	8.29	<0.41	59.2	42.3-77.9			
2,4-Dinitrotoluene	5.28	0.41	0.043	mg/kg dry	8.29	<0.41	63.7	57.3-86.6			
2-Chlorophenol	5.29	0.83	0.074	mg/kg dry	8.29	<0.83	63.8	43.3-93.2			
4-Chloro-3-methylphenol	5.54	0.83	0.081	mg/kg dry	8.29	<0.83	66.9	47.1-97.6			
4-Nitrophenol	5.25	0.83	0.11	mg/kg dry	8.29	<0.83	63.4	49.3-96.2			
Anthracene	5.86	0.41	0.044	mg/kg dry	8.29	<0.41	70.8	67.5-93.1			
Benzo(a)anthracene	6.04	0.41	0.051	mg/kg dry	8.29	<0.41	72.9	59.8-95.7			
Benzo(a)pyrene	5.66	0.41	0.052	mg/kg dry	8.29	<0.41	68.3	59.8-92.7			
Chrysene	6.21	0.41	0.054	mg/kg dry	8.29	<0.41	75.0	62.5-94.6			
Fluoranthene	5.95	0.41	0.048	mg/kg dry	8.29	<0.41	71.8	61.3-92.8			
Fluorene	5.63	0.41	0.043	mg/kg dry	8.29	<0.41	67.9	62.8-92.6			
N-Nitrosodi-n-propylamine	5.29	0.41	0.041	mg/kg dry	8.29	<0.41	63.8	46.9-89.9			
Pentachlorophenol	5.13	0.83	0.096	mg/kg dry	8.29	<0.83	61.9	40.1-95.1			
Phenanthrene	5.86	0.41	0.044	mg/kg dry	8.29	<0.41	70.7	65.2-92.2			
Phenol	5.29	0.83	0.085	mg/kg dry	8.29	<0.83	63.8	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3010 - EPA 3545 ASE Extraction

Matrix Spike (B1F3010-MS1)

Source: 1102846-05

Prepared: 06/30/11

Analyzed: 07/01/11

Surrogate: 2,4,6-Tribromophenol	5.43			mg/kg dry	8.29		65.6	53-107			
Surrogate: 2-Fluorobiphenyl	5.41			mg/kg dry	8.29		65.3	53.9-97.9			
Surrogate: 2-Fluorophenol	5.22			mg/kg dry	8.29		63.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.42			mg/kg dry	8.29		65.4	48.9-100			
Surrogate: Phenol-d6	5.39			mg/kg dry	8.29		65.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.64			mg/kg dry	8.29		68.1	51-99.6			

Matrix Spike Dup (B1F3010-MSD1)

Source: 1102846-05

Prepared: 06/30/11

Analyzed: 07/01/11

1,2,4-Trichlorobenzene	4.70	0.41	0.038	mg/kg dry	8.29	<0.41	56.7	44.8-97.9	5.81	19.6	
1,4-Dichlorobenzene	4.70	0.41	0.036	mg/kg dry	8.29	<0.41	56.7	42.3-77.9	4.25	22.4	
2,4-Dinitrotoluene	5.00	0.41	0.043	mg/kg dry	8.29	<0.41	60.4	57.3-86.6	5.33	19.5	
2-Chlorophenol	5.15	0.83	0.074	mg/kg dry	8.29	<0.83	62.1	43.3-93.2	2.67	23.7	
4-Chloro-3-methylphenol	5.16	0.83	0.081	mg/kg dry	8.29	<0.83	62.3	47.1-97.6	7.03	18.3	
4-Nitrophenol	5.00	0.83	0.11	mg/kg dry	8.29	<0.83	60.4	49.3-96.2	4.81	20.4	
Anthracene	5.54	0.41	0.044	mg/kg dry	8.29	<0.41	66.8	67.5-93.1	5.65	19.9	M2
Benzo(a)anthracene	5.68	0.41	0.051	mg/kg dry	8.29	<0.41	68.5	59.8-95.7	6.16	23.4	
Benzo(a)pyrene	5.31	0.41	0.052	mg/kg dry	8.29	<0.41	64.1	59.8-92.7	6.35	21.1	
Chrysene	5.76	0.41	0.054	mg/kg dry	8.29	<0.41	69.4	62.5-94.6	7.57	24.8	
Fluoranthene	5.55	0.41	0.048	mg/kg dry	8.29	<0.41	67.0	61.3-92.8	6.87	21.8	
Fluorene	5.26	0.41	0.043	mg/kg dry	8.29	<0.41	63.5	62.8-92.6	6.67	17.6	
N-Nitrosodi-n-propylamine	5.17	0.41	0.041	mg/kg dry	8.29	<0.41	62.3	46.9-89.9	2.33	18.9	
Pentachlorophenol	4.81	0.83	0.096	mg/kg dry	8.29	<0.83	58.1	40.1-95.1	6.24	19.7	
Phenanthrene	5.50	0.41	0.044	mg/kg dry	8.29	<0.41	66.4	65.2-92.2	6.27	20.5	
Phenol	5.11	0.83	0.085	mg/kg dry	8.29	<0.83	61.6	44.7-91	3.48	17.9	
Surrogate: 2,4,6-Tribromophenol	4.96			mg/kg dry	8.29		59.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.00			mg/kg dry	8.29		60.4	53.9-97.9			
Surrogate: 2-Fluorophenol	5.00			mg/kg dry	8.29		60.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.18			mg/kg dry	8.29		62.5	48.9-100			
Surrogate: Phenol-d6	5.21			mg/kg dry	8.29		62.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.13			mg/kg dry	8.29		61.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0607 - EPA 3545 ASE Extraction

Blank (B1G0607-BLK1)

Prepared & Analyzed: 07/06/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0607 - EPA 3545 ASE Extraction

Blank (B1G0607-BLK1)

Prepared & Analyzed: 07/06/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.96			mg/kg wet	6.67		74.4	53-107			
Surrogate: 2-Fluorobiphenyl	4.40			mg/kg wet	6.67		66.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.43			mg/kg wet	6.67		66.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.55			mg/kg wet	6.67		68.2	48.9-100			
Surrogate: Phenol-d6	4.68			mg/kg wet	6.67		70.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.67			mg/kg wet	6.67		85.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0607 - EPA 3545 ASE Extraction

LCS (B1G0607-BS1)

Prepared: 07/06/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.27	0.33	0.031	mg/kg wet	6.67		64.1	59.1-87.7			
1,4-Dichlorobenzene	3.93	0.33	0.029	mg/kg wet	6.67		58.9	50.3-72.9			
2,4-Dinitrotoluene	4.78	0.33	0.035	mg/kg wet	6.67		71.7	59.8-82.2			
2-Chlorophenol	4.57	0.67	0.060	mg/kg wet	6.67		68.6	59.7-77.3			
4-Chloro-3-methylphenol	4.81	0.67	0.066	mg/kg wet	6.67		72.1	63.6-80.4			
4-Nitrophenol	4.79	0.67	0.093	mg/kg wet	6.67		71.9	57.3-84.9			
Anthracene	5.07	0.33	0.036	mg/kg wet	6.67		76.1	67.3-88			
Benzo(a)anthracene	5.42	0.33	0.041	mg/kg wet	6.67		81.2	66.5-90.5			
Benzo(a)pyrene	5.80	0.33	0.042	mg/kg wet	6.67		87.0	66.1-89.7			
Chrysene	5.41	0.33	0.044	mg/kg wet	6.67		81.2	65.5-90.5			
Fluoranthene	5.11	0.33	0.039	mg/kg wet	6.67		76.6	66.7-89.9			
Fluorene	4.64	0.33	0.035	mg/kg wet	6.67		69.6	66.2-85.6			
N-Nitrosodi-n-propylamine	4.58	0.33	0.033	mg/kg wet	6.67		68.7	59.4-78			
Pentachlorophenol	5.09	0.67	0.078	mg/kg wet	6.67		76.4	46.7-83.2			
Phenanthrene	5.17	0.33	0.036	mg/kg wet	6.67		77.5	67.5-87.9			
Phenol	3.98	0.67	0.069	mg/kg wet	6.67		59.7	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.61			mg/kg wet	6.67		84.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.28			mg/kg wet	6.67		64.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.18			mg/kg wet	6.67		62.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.47			mg/kg wet	6.67		67.0	48.9-100			
Surrogate: Phenol-d6	4.60			mg/kg wet	6.67		69.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.94			mg/kg wet	6.67		74.2	51-99.6			

Matrix Spike (B1G0607-MS1)

Source: 1102864-12

Prepared: 07/06/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.52	1.8	0.17	mg/kg dry	7.22	<1.8	62.7	44.8-97.9			
1,4-Dichlorobenzene	4.42	1.8	0.16	mg/kg dry	7.22	<1.8	61.2	42.3-77.9			
2,4-Dinitrotoluene	5.10	1.8	0.19	mg/kg dry	7.22	<1.8	70.6	57.3-86.6			
2-Chlorophenol	4.94	3.6	0.32	mg/kg dry	7.22	<3.6	68.4	43.3-93.2			
4-Chloro-3-methylphenol	5.60	3.6	0.35	mg/kg dry	7.22	<3.6	77.7	47.1-97.6			
4-Nitrophenol	5.57	3.6	0.50	mg/kg dry	7.22	<3.6	77.2	49.3-96.2			
Anthracene	6.71	1.8	0.19	mg/kg dry	7.22	2.94	52.2	67.5-93.1			QM-05
Benzo(a)anthracene	8.74	1.8	0.22	mg/kg dry	7.22	4.78	54.8	59.8-95.7			QM-05
Benzo(a)pyrene	7.68	1.8	0.23	mg/kg dry	7.22	3.79	53.9	59.8-92.7			QM-05
Chrysene	8.82	1.8	0.24	mg/kg dry	7.22	5.24	49.7	62.5-94.6			QM-05
Fluoranthene	10.8	1.8	0.21	mg/kg dry	7.22	9.77	13.8	61.3-92.8			QM-05
Fluorene	6.05	1.8	0.19	mg/kg dry	7.22	<1.8	62.0	62.8-92.6			QM-05
N-Nitrosodi-n-propylamine	5.16	1.8	0.18	mg/kg dry	7.22	<1.8	71.5	46.9-89.9			
Pentachlorophenol	6.09	3.6	0.42	mg/kg dry	7.22	<3.6	84.5	40.1-95.1			
Phenanthrene	9.75	1.8	0.19	mg/kg dry	7.22	10.4	NR	65.2-92.2			QM-05
Phenol	5.02	3.6	0.37	mg/kg dry	7.22	<3.6	69.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0607 - EPA 3545 ASE Extraction

Matrix Spike (B1G0607-MS1)

Source: 1102864-12

Prepared: 07/06/11

Analyzed: 07/08/11

Surrogate: 2,4,6-Tribromophenol	5.18			mg/kg dry	7.22		71.8	53-107			
Surrogate: 2-Fluorobiphenyl	4.75			mg/kg dry	7.22		65.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.80			mg/kg dry	7.22		66.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.79			mg/kg dry	7.22		66.4	48.9-100			
Surrogate: Phenol-d6	5.00			mg/kg dry	7.22		69.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.31			mg/kg dry	7.22		73.6	51-99.6			

Matrix Spike Dup (B1G0607-MSD1)

Source: 1102864-12

Prepared: 07/06/11

Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.30	1.8	0.17	mg/kg dry	7.16	<1.8	60.1	44.8-97.9	4.96	19.6	
1,4-Dichlorobenzene	4.17	1.8	0.16	mg/kg dry	7.16	<1.8	58.2	42.3-77.9	5.73	22.4	
2,4-Dinitrotoluene	5.06	1.8	0.19	mg/kg dry	7.16	<1.8	70.6	57.3-86.6	0.745	19.5	
2-Chlorophenol	4.63	3.6	0.32	mg/kg dry	7.16	<3.6	64.6	43.3-93.2	6.50	23.7	
4-Chloro-3-methylphenol	5.46	3.6	0.35	mg/kg dry	7.16	<3.6	76.2	47.1-97.6	2.68	18.3	
4-Nitrophenol	5.24	3.6	0.50	mg/kg dry	7.16	<3.6	73.2	49.3-96.2	6.08	20.4	
Anthracene	6.52	1.8	0.19	mg/kg dry	7.16	2.94	49.9	67.5-93.1	2.91	19.9	QM-05
Benzo(a)anthracene	8.37	1.8	0.22	mg/kg dry	7.16	4.78	50.1	59.8-95.7	4.33	23.4	QM-05
Benzo(a)pyrene	7.40	1.8	0.23	mg/kg dry	7.16	3.79	50.4	59.8-92.7	3.68	21.1	QM-05
Chrysene	8.58	1.8	0.24	mg/kg dry	7.16	5.24	46.7	62.5-94.6	2.74	24.8	QM-05
Fluoranthene	10.3	1.8	0.21	mg/kg dry	7.16	9.77	7.92	61.3-92.8	4.04	21.8	QM-05
Fluorene	5.79	1.8	0.19	mg/kg dry	7.16	<1.8	58.7	62.8-92.6	4.44	17.6	QM-05
N-Nitrosodi-n-propylamine	4.79	1.8	0.18	mg/kg dry	7.16	<1.8	66.9	46.9-89.9	7.32	18.9	
Pentachlorophenol	5.85	3.6	0.42	mg/kg dry	7.16	<3.6	81.7	40.1-95.1	4.10	19.7	
Phenanthrene	9.40	1.8	0.19	mg/kg dry	7.16	10.4	NR	65.2-92.2	3.59	20.5	QM-05
Phenol	4.73	3.6	0.37	mg/kg dry	7.16	<3.6	66.1	44.7-91	5.99	17.9	
Surrogate: 2,4,6-Tribromophenol	5.18			mg/kg dry	7.16		72.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.69			mg/kg dry	7.16		65.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.52			mg/kg dry	7.16		63.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.82			mg/kg dry	7.16		67.3	48.9-100			
Surrogate: Phenol-d6	4.82			mg/kg dry	7.16		67.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.16			mg/kg dry	7.16		72.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

Blank (B1F3019-BLK1)

Prepared & Analyzed: 06/30/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

Blank (B1F3019-BLK1)

Prepared & Analyzed: 06/30/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	0.117	1.0	0.058	mg/kg wet							B-02, J
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	44.1			ug/L	50.0		88.1	80-124			
Surrogate: Dibromofluoromethane	45.2			ug/L	50.0		90.5	77.1-123			
Surrogate: Toluene-d8	45.1			ug/L	50.0		90.2	78.1-125			

LCS (B1F3019-BS1)

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.2			ug/L	50.0		100	75-120			
1,1-Dichloroethane	46.1			ug/L	50.0		92.1	79.6-120			
1,1-Dichloroethene	47.8			ug/L	50.0		95.6	78.3-120			
1,3,5-Trimethylbenzene	50.1			ug/L	50.0		100	77-120			
1,4-Dichlorobenzene	51.5			ug/L	50.0		103	75-125			
2-Chlorotoluene	49.9			ug/L	50.0		99.9	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

LCS (B1F3019-BS1)

Prepared & Analyzed: 06/30/11

Benzene	45.6			ug/L	50.0		91.1	80-120			
Bromoform	49.8			ug/L	50.0		99.7	80-120			
Chlorobenzene	50.5			ug/L	50.0		101	80-120			
Chloroform	43.3			ug/L	50.0		86.7	80-120			
Ethylbenzene	50.1			ug/L	50.0		100	80-120			
n-Butylbenzene	52.2			ug/L	50.0		104	75-125			
n-Propylbenzene	50.4			ug/L	50.0		101	75-120			
Toluene	46.4			ug/L	50.0		92.9	80-120			
Trichloroethene	45.8			ug/L	50.0		91.7	80-120			
Vinyl chloride	45.5			ug/L	50.0		90.9	75-130			
Surrogate: 4-Bromofluorobenzene	47.8			ug/L	50.0		95.6	80-124			
Surrogate: Dibromofluoromethane	46.0			ug/L	50.0		92.0	77.1-123			
Surrogate: Toluene-d8	45.7			ug/L	50.0		91.5	78.1-125			

Matrix Spike (B1F3019-MS1)

Source: 1102846-02

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.3			ug/L	50.0	<	101	75-125			
1,1-Dichloroethane	45.2			ug/L	50.0	<	90.5	78.7-123			
1,1-Dichloroethene	46.9			ug/L	50.0	<	93.9	75.8-121			
1,3,5-Trimethylbenzene	49.7			ug/L	50.0	<	99.4	75-120			
1,4-Dichlorobenzene	50.0			ug/L	50.0	<	100	75-125			
2-Chlorotoluene	49.6			ug/L	50.0	<	99.2	75-120			
Benzene	44.0			ug/L	50.0	<	88.0	80-120			
Bromoform	46.7			ug/L	50.0	<	93.4	80-120			
Chlorobenzene	46.3			ug/L	50.0	<	92.7	80-120			
Chloroform	42.4			ug/L	50.0	<	84.7	80-120			
Ethylbenzene	46.6			ug/L	50.0	<	93.3	80-120			
n-Butylbenzene	49.9			ug/L	50.0	<	99.8	73.8-125			
n-Propylbenzene	50.5			ug/L	50.0	<	101	75-120			
Toluene	44.7			ug/L	50.0	<	89.5	80-120			
Trichloroethene	44.1			ug/L	50.0	<	88.2	80-120			
Vinyl chloride	42.7			ug/L	50.0	<	85.4	74.8-130			
Surrogate: 4-Bromofluorobenzene	47.4			ug/L	50.0		94.9	80-124			
Surrogate: Dibromofluoromethane	45.6			ug/L	50.0		91.2	77.1-123			
Surrogate: Toluene-d8	45.8			ug/L	50.0		91.5	78.1-125			

Matrix Spike Dup (B1F3019-MSD1)

Source: 1102846-02

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.8			ug/L	50.0	<	102	75-125	0.895	20	
1,1-Dichloroethane	42.7			ug/L	50.0	<	85.3	78.7-123	5.85	20	
1,1-Dichloroethene	43.0			ug/L	50.0	<	85.9	75.8-121	8.86	20	
1,3,5-Trimethylbenzene	48.9			ug/L	50.0	<	97.8	75-120	1.61	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

Matrix Spike Dup (B1F3019-MSD1)

Source: 1102846-02

Prepared & Analyzed: 06/30/11

1,4-Dichlorobenzene	50.6			ug/L	50.0	<	101	75-125	1.11	20	
2-Chlorotoluene	49.5			ug/L	50.0	<	99.1	75-120	0.157	20	
Benzene	44.3			ug/L	50.0	<	88.6	80-120	0.681	20	
Bromoform	46.6			ug/L	50.0	<	93.1	80-120	0.348	20	
Chlorobenzene	46.4			ug/L	50.0	<	92.8	80-120	0.103	20	
Chloroform	41.7			ug/L	50.0	<	83.4	80-120	1.61	20	
Ethylbenzene	47.2			ug/L	50.0	<	94.4	80-120	1.22	20	
n-Butylbenzene	51.1			ug/L	50.0	<	102	73.8-125	2.31	20	
n-Propylbenzene	49.8			ug/L	50.0	<	99.7	75-120	1.24	20	
Toluene	45.5			ug/L	50.0	<	91.0	80-120	1.66	20	
Trichloroethene	44.8			ug/L	50.0	<	89.5	80-120	1.50	20	
Vinyl chloride	41.1			ug/L	50.0	<	82.2	74.8-130	3.86	20	
Surrogate: 4-Bromofluorobenzene	48.4			ug/L	50.0		96.7	80-124			
Surrogate: Dibromofluoromethane	45.6			ug/L	50.0		91.3	77.1-123			
Surrogate: Toluene-d8	45.8			ug/L	50.0		91.6	78.1-125			

Batch B1G0604 - EPA 5030 Water (Purge and Trap)

Blank (B1G0604-BLK1)

Prepared & Analyzed: 07/06/11

1,1,1,2-Tetrachloroethane	< 0.29	1.0	0.29	ug/L							
1,1,1-Trichloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2,2-Tetrachloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2-Trichloroethane	< 0.19	1.0	0.19	ug/L							
1,1,2-Trichlorotrifluoroethane	< 0.25	1.0	0.25	ug/L							
1,1-Dichloroethane	< 0.15	1.0	0.15	ug/L							
1,1-Dichloroethane	< 0.24	1.0	0.24	ug/L							
1,1-Dichloropropene	< 0.14	1.0	0.14	ug/L							
1,2,3-Trichlorobenzene	< 0.35	5.0	0.35	ug/L							
1,2,3-Trichloropropane	< 0.22	2.5	0.22	ug/L							
1,2,4-Trichlorobenzene	< 0.30	5.0	0.30	ug/L							
1,2,4-Trimethylbenzene	< 0.072	1.0	0.072	ug/L							
1,2-Dibromo-3-chloropropane	< 0.40	5.0	0.40	ug/L							
1,2-Dibromoethane (EDB)	< 0.15	2.5	0.15	ug/L							
1,2-Dichlorobenzene	< 0.12	1.0	0.12	ug/L							
1,2-Dichloroethane	< 0.26	1.0	0.26	ug/L							
1,2-Dichloropropane	< 0.19	1.0	0.19	ug/L							
1,3,5-Trimethylbenzene	< 0.11	1.0	0.11	ug/L							
1,3-Dichlorobenzene	< 0.15	1.0	0.15	ug/L							
1,3-Dichloropropane	< 0.16	1.0	0.16	ug/L							
1,4-Dichlorobenzene	< 0.081	1.0	0.081	ug/L							
2,2-Dichloropropane	< 0.66	5.0	0.66	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0604 - EPA 5030 Water (Purge and Trap)

Blank (B1G0604-BLK1)

Prepared & Analyzed: 07/06/11

2-Butanone	< 0.65	20	0.65	ug/L							
2-Chlorotoluene	< 0.081	1.0	0.081	ug/L							
4-Chlorotoluene	< 0.11	1.0	0.11	ug/L							
Acetone	< 3.8	20	3.8	ug/L							
Allyl chloride	< 0.51	5.0	0.51	ug/L							
Benzene	< 0.071	1.0	0.071	ug/L							
Bromobenzene	< 0.082	1.0	0.082	ug/L							
Bromochloromethane	< 0.20	1.0	0.20	ug/L							
Bromodichloromethane	< 0.23	1.0	0.23	ug/L							
Bromoform	< 0.26	5.0	0.26	ug/L							
Bromomethane	< 0.32	5.0	0.32	ug/L							
Carbon tetrachloride	< 0.15	1.0	0.15	ug/L							
Chlorobenzene	< 0.20	1.0	0.20	ug/L							
Chloroethane	< 0.27	2.5	0.27	ug/L							
Chloroform	< 0.15	1.0	0.15	ug/L							
Chloromethane	< 0.24	2.5	0.24	ug/L							
cis-1,2-Dichloroethene	< 0.12	1.0	0.12	ug/L							
cis-1,3-Dichloropropene	< 0.18	1.0	0.18	ug/L							
Dibromochloromethane	< 0.26	2.5	0.26	ug/L							
Dibromomethane	< 0.24	2.5	0.24	ug/L							
Dichlorodifluoromethane	< 0.25	5.0	0.25	ug/L							
Dichlorofluoromethane	< 0.21	1.0	0.21	ug/L							
Ethyl ether	< 0.27	5.0	0.27	ug/L							
Ethylbenzene	< 0.28	1.0	0.28	ug/L							
Hexachlorobutadiene	< 0.42	10	0.42	ug/L							
Isopropylbenzene	< 0.12	1.0	0.12	ug/L							
m,p-Xylene	< 0.57	2.0	0.57	ug/L							
Methyl isobutyl ketone	< 0.40	5.0	0.40	ug/L							
Methyl tert-butyl ether	< 0.16	1.0	0.16	ug/L							
Methylene chloride	< 0.85	5.0	0.85	ug/L							
Naphthalene	< 0.30	5.0	0.30	ug/L							
n-Butylbenzene	< 0.15	2.5	0.15	ug/L							
n-Propylbenzene	< 0.094	1.0	0.094	ug/L							
o-Xylene	< 0.19	1.0	0.19	ug/L							
p-Isopropyltoluene	< 0.14	2.5	0.14	ug/L							
sec-Butylbenzene	< 0.11	1.0	0.11	ug/L							
Styrene	< 0.21	1.0	0.21	ug/L							
tert-Butylbenzene	< 0.091	1.0	0.091	ug/L							
Tetrachloroethene	< 0.28	1.0	0.28	ug/L							

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00-48RI-510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102864
 Date Reported: 07/18/11

VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0604 - EPA 5030 Water (Purge and Trap)

Blank (B1G0604-BLK1)

Prepared & Analyzed: 07/06/11

Tetrahydrofuran	< 0.75	20	0.75	ug/L							
Toluene	< 0.10	1.0	0.10	ug/L							
trans-1,2-Dichloroethene	< 0.056	1.0	0.056	ug/L							
trans-1,3-Dichloropropene	< 0.14	1.0	0.14	ug/L							
Trichloroethene	< 0.18	1.0	0.18	ug/L							
Trichlorofluoromethane	< 0.29	1.0	0.29	ug/L							
Vinyl chloride	< 0.21	1.0	0.21	ug/L							
Surrogate: 4-Bromofluorobenzene	49.1			ug/L	50.0		98.2	80-121			
Surrogate: Dibromofluoromethane	50.1			ug/L	50.0		100	79.9-121			
Surrogate: Toluene-d8	50.1			ug/L	50.0		100	80-120			

LCS (B1G0604-BS1)

Prepared & Analyzed: 07/06/11

1,1,2,2-Tetrachloroethane	48.9	1.0	0.16	ug/L	50.0		97.8	80-121			
1,1-Dichloroethane	46.5	1.0	0.15	ug/L	50.0		93.0	80-125			
1,1-Dichloroethene	41.7	1.0	0.24	ug/L	50.0		83.4	80-125			
1,3,5-Trimethylbenzene	48.9	1.0	0.11	ug/L	50.0		97.8	75.4-125			
1,4-Dichlorobenzene	48.5	1.0	0.081	ug/L	50.0		97.0	75-125			
2-Chlorotoluene	48.3	1.0	0.081	ug/L	50.0		96.7	75.4-125			
Benzene	51.0	1.0	0.071	ug/L	50.0		102	80-120			
Bromoform	51.0	5.0	0.26	ug/L	50.0		102	80-120			
Chlorobenzene	52.0	1.0	0.20	ug/L	50.0		104	80-120			
Chloroform	49.0	1.0	0.15	ug/L	50.0		98.1	80-123			
Ethylbenzene	51.2	1.0	0.28	ug/L	50.0		102	80-120			
n-Butylbenzene	48.0	2.5	0.15	ug/L	50.0		96.0	75-125			
n-Propylbenzene	49.5	1.0	0.094	ug/L	50.0		99.1	75.8-125			
Toluene	51.9	1.0	0.10	ug/L	50.0		104	80-120			
Trichloroethene	51.2	1.0	0.18	ug/L	50.0		102	80-120			
Vinyl chloride	50.1	1.0	0.21	ug/L	50.0		100	75-130			
Surrogate: 4-Bromofluorobenzene	52.4			ug/L	50.0		105	80-121			
Surrogate: Dibromofluoromethane	50.7			ug/L	50.0		101	79.9-121			
Surrogate: Toluene-d8	51.0			ug/L	50.0		102	80-120			

Matrix Spike (B1G0604-MS1)

Source: 1102988-06

Prepared & Analyzed: 07/06/11

1,1,2,2-Tetrachloroethane	52.4	1.0	0.16	ug/L	50.0	<1.0	105	76.8-125			
1,1-Dichloroethane	46.8	1.0	0.15	ug/L	50.0	<1.0	93.5	80-125			
1,1-Dichloroethene	42.9	1.0	0.24	ug/L	50.0	<1.0	85.7	80-125			
1,3,5-Trimethylbenzene	48.6	1.0	0.11	ug/L	50.0	<1.0	97.2	75-125			
1,4-Dichlorobenzene	49.3	1.0	0.081	ug/L	50.0	<1.0	98.7	75-125			
2-Chlorotoluene	49.4	1.0	0.081	ug/L	50.0	<1.0	98.7	75-125			
Benzene	50.0	1.0	0.071	ug/L	50.0	<1.0	100	80-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0604 - EPA 5030 Water (Purge and Trap)

Matrix Spike (B1G0604-MS1)

Source: 1102988-06

Prepared & Analyzed: 07/06/11

Bromoform	53.4	5.0	0.26	ug/L	50.0	<5.0	107	80-120			
Chlorobenzene	52.9	1.0	0.20	ug/L	50.0	<1.0	106	80-120			
Chloroform	50.8	1.0	0.15	ug/L	50.0	<1.0	102	79.8-125			
Ethylbenzene	52.2	1.0	0.28	ug/L	50.0	<1.0	104	80-120			
n-Butylbenzene	48.8	2.5	0.15	ug/L	50.0	<2.5	97.5	75-130			
n-Propylbenzene	49.5	1.0	0.094	ug/L	50.0	<1.0	98.9	75-125			
Toluene	51.3	1.0	0.10	ug/L	50.0	<1.0	103	80-120			
Trichloroethene	48.8	1.0	0.18	ug/L	50.0	<1.0	97.7	80-120			
Vinyl chloride	50.7	1.0	0.21	ug/L	50.0	<1.0	101	75-130			
Surrogate: 4-Bromofluorobenzene	50.3			ug/L	50.0		101	80-121			
Surrogate: Dibromofluoromethane	50.0			ug/L	50.0		99.9	79.9-121			
Surrogate: Toluene-d8	49.0			ug/L	50.0		97.9	80-120			

Matrix Spike Dup (B1G0604-MSD1)

Source: 1102988-06

Prepared & Analyzed: 07/06/11

1,1,2,2-Tetrachloroethane	50.4	1.0	0.16	ug/L	50.0	<1.0	101	76.8-125	3.98	20	
1,1-Dichloroethane	48.0	1.0	0.15	ug/L	50.0	<1.0	96.0	80-125	2.59	20	
1,1-Dichloroethene	42.7	1.0	0.24	ug/L	50.0	<1.0	85.4	80-125	0.344	20	
1,3,5-Trimethylbenzene	48.3	1.0	0.11	ug/L	50.0	<1.0	96.5	75-125	0.723	20	
1,4-Dichlorobenzene	49.1	1.0	0.081	ug/L	50.0	<1.0	98.1	75-125	0.535	20	
2-Chlorotoluene	48.5	1.0	0.081	ug/L	50.0	<1.0	97.0	75-125	1.75	20	
Benzene	49.4	1.0	0.071	ug/L	50.0	<1.0	98.8	80-120	1.23	20	
Bromoform	52.0	5.0	0.26	ug/L	50.0	<5.0	104	80-120	2.63	20	
Chlorobenzene	50.7	1.0	0.20	ug/L	50.0	<1.0	101	80-120	4.22	20	
Chloroform	49.1	1.0	0.15	ug/L	50.0	<1.0	98.2	79.8-125	3.43	20	
Ethylbenzene	50.8	1.0	0.28	ug/L	50.0	<1.0	102	80-120	2.81	20	
n-Butylbenzene	48.5	2.5	0.15	ug/L	50.0	<2.5	96.9	75-130	0.611	20	
n-Propylbenzene	48.3	1.0	0.094	ug/L	50.0	<1.0	96.6	75-125	2.41	20	
Toluene	51.0	1.0	0.10	ug/L	50.0	<1.0	102	80-120	0.450	20	
Trichloroethene	48.2	1.0	0.18	ug/L	50.0	<1.0	96.4	80-120	1.36	20	
Vinyl chloride	49.2	1.0	0.21	ug/L	50.0	<1.0	98.5	75-130	2.83	20	
Surrogate: 4-Bromofluorobenzene	51.7			ug/L	50.0		103	80-121			
Surrogate: Dibromofluoromethane	49.5			ug/L	50.0		99.1	79.9-121			
Surrogate: Toluene-d8	49.9			ug/L	50.0		99.8	80-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0810 - General Prep											
Duplicate (B1G0810-DUP1)		Source: 1102864-01				Prepared & Analyzed: 07/08/11					
Flashpoint	>140			°F		>140				5	
Reference (B1G0810-SRM1)											
Reference (B1G0810-SRM1)						Prepared & Analyzed: 07/08/11					
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102864 Date Reported: 07/18/11
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Notes and Definitions

- W-03 The initial sample weight was less than 8.0 grams.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- B-02 Target analyte was present in the method blank between the MDL and RL.
- B-01 Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600
BARR

1102864

Project Number: 2319-1092.00-487E-S10

Project Name: Umore East - ABC Line

Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 34313

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			SVOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	Number of Containers/Preservative								
						Water	Soil	Grab								Type	OC	Water	Soil	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2
1. 157F-SS105	0.5	0.5	5'	06/27/11	8:00	X	X	X								X	X	X	X	X	X	X	X	4
2. 257F-SS0					8:30	X	X	X								X	X	X	X	X	X	X	X	4
3. 237F-SS3					8:45	X	X	X								X	X	X	X	X	X	X	X	4
4. 224A-SS1					9:15	X	X	X								X	X	X	X	X	X	X	X	4
5. 224A-SS0					9:30	X	X	X								X	X	X	X	X	X	X	X	4
6. 224A-SS1																								
7. 240C-SS1					10:00	X	X	X								X	X	X	X	X	X	X	X	4
8. 240C-SS0					10:30	X	X	X								X	X	X	X	X	X	X	X	4
9. 240C-SS3					11:00	X	X	X								X	X	X	X	X	X	X	X	4
10. 707 FFF-SS1					2:00	X	X	X								X	X	X	X	X	X	X	X	4

Analyze PCB A metals
SVOCS, nutrients
Flashpoint

Relinquished By: [Signature] Date: 6/27/11 Time: 14:00

Relinquished By: [Signature] Date: 6/27/11 Time: 15:33

Received by: [Signature] Date: 6/27/11 Time: 15:33

Samples Shipped Via: Air Freight Federal Express Sampler Other: _____

Air Bill Number: _____

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator
392 BK

Chain of Custody
1102861
BARR
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 23/19-1092.00-48BI 510
Project Name: ~~WMA East-ABC~~ Line
Sample Origination State: MN (use two letter postal state abbreviation)
COC Number: **NO 34314**

Number of Containers/Preservative		COC <u>2</u> of <u>2</u>	
Water		Project Manager: <u>JME</u>	
Soil		Project OC Contact: <u>AAU</u>	
		Sampled by: <u>ROB/KRB</u>	
		Laboratory: <u>Legend</u>	
		Total Number Of Containers: _____	
VOCs (HCl) #1	X	Analyze all metals, VOC	
SVOCS (unpreserved) #2	X	Analyze all metals, VOCs, SVOCS	
Dissolved Metals (HNO ₃)	X	Analyze all metals, VOC	
Total Metals (HNO ₃)	X	Analyze all metals, VOCs, SVOCS	
General (unpreserved) #3	X	Analyze all metals, VOCs, SVOCS	
Diesel Range Organics (HCl)	X	Analyze all metals, VOCs, SVOCS	
Nutrients (H ₂ SO ₄) #4	X	Analyze all metals, VOCs, SVOCS	
VOCs (tared MeOH) #1	X	Analyze all metals, VOCs, SVOCS	
GRO, BTEX (tared MeOH) #1	X	Analyze all metals, VOCs, SVOCS	
DRO (tared unpreserved)	X	Analyze all metals, VOCs, SVOCS	
Metals (unpreserved)	X	Analyze all metals, VOCs, SVOCS	
SVOCS (unpreserved) #2	X	Analyze all metals, VOCs, SVOCS	
PCB	X	Analyze for PCB	

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Ice?	Date	Time	Received by	Date	Time
						Water	Soil						
1. M-1	-	-	-	06/21/11	-	X	X	Y	06/27/11	14:00			
2. FB-1	-	-	-	06/21/11	1:45	X	X	Y	06/27/11	14:00			
3. 707FF-SS0	0.5	0.5	ft	06/24/11	2:30	X	X	Y	06/27/11	14:00			
4. FB-2	-	-	-	06/21/11	2:45	X	X	Y	06/27/11	14:00			
5. 710A-SS1	0.5	0.5	ft	06/24/2011	3:30	X	X	Y	06/27/11	15:53			
6.													
7.													
8.													
9.													
10.													

Relinquished By: [Signature] Date: 06/27/11 Time: 14:00
 Relinquished By: [Signature] Date: 06/27/11 Time: 15:53

Samples Shipped Via: Air Freight Federal Express Sampler Other: _____
 Air Bill Number: _____

Common Parameter/Container - Preservation Key:
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator
392 BR



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 13, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102869
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/27/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "Dan Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
D4-TT3_0.5-0.5	1102869-01	Soil	06/24/11 10:20	06/27/11 15:53
D4-TT4_0.5-0.5	1102869-02	Soil	06/24/11 11:00	06/27/11 15:53
D4-TT2_0.5-0.5	1102869-03	Soil	06/24/11 11:35	06/27/11 15:53
D3-TT1_0.5-0.5	1102869-04	Soil	06/24/11 13:30	06/27/11 15:53
D3-TT3_1-1	1102869-05	Soil	06/24/11 14:00	06/27/11 15:53
D3-TT2_0.5-0.5	1102869-06	Soil	06/24/11 14:30	06/27/11 15:53
Trip Blank	1102869-07	Methanol	06/24/11 00:00	06/27/11 15:53
D4-TT1_0.5-0.5	1102869-08	Soil	06/24/11 15:10	06/27/11 15:53
207-DD-TT1_0.5-0.5	1102869-09	Soil	06/24/11 16:30	06/27/11 15:53
207-DD-TT1_1-1	1102869-10	Soil	06/24/11 16:35	06/27/11 15:53

Shipping Container Information

Default Cooler Temperature (°C): 3.7

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

Recoveries for several 8270 matrix spike compounds were below laboratory limits in the batch B1G0607 MS/MSD due to sample matrix interference. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS.

Recoveries for 8270 matrix spike compounds fluorene in the batch B1G0630 MS/MSD and anthracene in the MSD were below laboratory limits. The MS/MSD source sample was 207-DD-TT1_1-1. All target analytes were within limits in the LCS.

Recovery for the 8270 surrogate 2-fluorobiphenyl was below laboratory limits in samples D4-TT3_0.5-0.5, D4-TT1_0.5-0.5, 207-DD-TT1_1-1 and the batch B1G0630 MSD.

Methylene chloride was detected in the method blank between the MDL and RL for 8260 batch B1F3019. Samples with methylene chloride detections less than or equal to 10 times the blank contamination are qualified.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D4-TT3_0.5-0.5 (1102869-01) Soil Sampled: 06/24/11 10:20 Received: 06/27/11 15:53										
Arsenic	1.8	0.53	0.058	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	17	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	5.7	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	2.2	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.017	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
D4-TT4_0.5-0.5 (1102869-02) Soil Sampled: 06/24/11 11:00 Received: 06/27/11 15:53										
Arsenic	6.9	0.63	0.070	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	180	1.3	0.076	mg/kg dry	1	"	"	"	"	
Cadmium	<0.32	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	19	0.63	0.015	mg/kg dry	1	"	"	"	"	
Lead	9.8	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.32	0.32	0.020	mg/kg dry	1	"	"	"	"	
D4-TT2_0.5-0.5 (1102869-03) Soil Sampled: 06/24/11 11:35 Received: 06/27/11 15:53										
Arsenic	5.8	0.59	0.065	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	96	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	16	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	7.8	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
D3-TT1_0.5-0.5 (1102869-04) Soil Sampled: 06/24/11 13:30 Received: 06/27/11 15:53										
Arsenic	5.0	0.57	0.062	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	88	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	15	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	7.0	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
D3-TT3_1-1 (1102869-05) Soil Sampled: 06/24/11 14:00 Received: 06/27/11 15:53										
Arsenic	5.8	0.61	0.067	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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D3-TT3_1-1 (1102869-05) Soil Sampled: 06/24/11 14:00 Received: 06/27/11 15:53

Barium	130	1.2	0.073	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	18	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	9.0	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	

D3-TT2_0.5-0.5 (1102869-06) Soil Sampled: 06/24/11 14:30 Received: 06/27/11 15:53

Arsenic	4.0	0.56	0.062	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	53	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	13	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.3	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

D4-TT1_0.5-0.5 (1102869-08) Soil Sampled: 06/24/11 15:10 Received: 06/27/11 15:53

Arsenic	4.5	0.55	0.060	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	54	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	14	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	5.6	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	

207-DD-TT1_0.5-0.5 (1102869-09) Soil Sampled: 06/24/11 16:30 Received: 06/27/11 15:53

Arsenic	28	0.57	0.062	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	83	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	0.58	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	17	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	29	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

207-DD-TT1_1-1 (1102869-10) Soil Sampled: 06/24/11 16:35 Received: 06/27/11 15:53

Arsenic	2.6	0.52	0.057	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	28	1.0	0.062	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-TT1_1-1 (1102869-10) Soil Sampled: 06/24/11 16:35 Received: 06/27/11 15:53										
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Chromium	8.1	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.0	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.093	0.093	0.018	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D4-TT3_0.5-0.5 (1102869-01) Soil Sampled: 06/24/11 10:20 Received: 06/27/11 15:53										
% Solids	95			%	1	B1G0508	07/05/11	07/05/11	% calculation	
D4-TT4_0.5-0.5 (1102869-02) Soil Sampled: 06/24/11 11:00 Received: 06/27/11 15:53										
% Solids	79			%	1	B1G0508	07/05/11	07/05/11	% calculation	
D4-TT2_0.5-0.5 (1102869-03) Soil Sampled: 06/24/11 11:35 Received: 06/27/11 15:53										
% Solids	85			%	1	B1G0508	07/05/11	07/05/11	% calculation	
D3-TT1_0.5-0.5 (1102869-04) Soil Sampled: 06/24/11 13:30 Received: 06/27/11 15:53										
% Solids	88			%	1	B1G0508	07/05/11	07/05/11	% calculation	
D3-TT3_1-1 (1102869-05) Soil Sampled: 06/24/11 14:00 Received: 06/27/11 15:53										
% Solids	82			%	1	B1G0508	07/05/11	07/05/11	% calculation	
D3-TT2_0.5-0.5 (1102869-06) Soil Sampled: 06/24/11 14:30 Received: 06/27/11 15:53										
% Solids	89			%	1	B1G0508	07/05/11	07/05/11	% calculation	
D4-TT1_0.5-0.5 (1102869-08) Soil Sampled: 06/24/11 15:10 Received: 06/27/11 15:53										
% Solids	91			%	1	B1G0508	07/05/11	07/05/11	% calculation	
207-DD-TT1_0.5-0.5 (1102869-09) Soil Sampled: 06/24/11 16:30 Received: 06/27/11 15:53										
% Solids	83			%	1	B1G0508	07/05/11	07/05/11	% calculation	
207-DD-TT1_1-1 (1102869-10) Soil Sampled: 06/24/11 16:35 Received: 06/27/11 15:53										
% Solids	97			%	1	B1G0508	07/05/11	07/05/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D4-TT3_0.5-0.5 (1102869-01) Soil Sampled: 06/24/11 10:20 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.079	0.71	0.079	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.063	0.71	0.063	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.71	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.71	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.71	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D4-TT3_0.5-0.5 (1102869-01) Soil Sampled: 06/24/11 10:20 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	66.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	52.8			53.9-97.9 %		"	"	"	"	S-GC
Surrogate: 2-Fluorophenol	52.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	53.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	56.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D4-TT4_0.5-0.5 (1102869-02) Soil Sampled: 06/24/11 11:00 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.047	0.85	0.047	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.095	0.85	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.076	0.85	0.076	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.85	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.42	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.084	0.85	0.084	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.85	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.85	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.2	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D4-TT4_0.5-0.5 (1102869-02) Soil Sampled: 06/24/11 11:00 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.061	0.42	0.061	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.051	0.42	0.051	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.42	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.033	0.42	0.033	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Phenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
Pyrene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	76.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D4-TT2_0.5-0.5 (1102869-03) Soil Sampled: 06/24/11 11:35 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D4-TT2_0.5-0.5 (1102869-03) Soil Sampled: 06/24/11 11:35 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	54.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	50.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	50.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	56.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	85.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT1_0.5-0.5 (1102869-04) Soil Sampled: 06/24/11 13:30 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT1_0.5-0.5 (1102869-04) Soil Sampled: 06/24/11 13:30 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT3_1-1 (1102869-05) Soil Sampled: 06/24/11 14:00 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.82	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.091	0.82	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.073	0.82	0.073	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	2.0	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.82	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.82	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.82	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.084	0.40	0.050	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.060	0.40	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.079	0.40	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT3_1-1 (1102869-05) Soil Sampled: 06/24/11 14:00 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.059	0.40	0.059	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	0.080	0.40	0.054	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.14	0.40	0.048	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.080	0.40	0.044	mg/kg dry	1	"	"	"	"	J
Phenol	0.17	0.82	0.084	mg/kg dry	1	"	"	"	"	J
Pyrene	0.12	0.40	0.050	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	64.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	55.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	53.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	56.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	57.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT2_0.5-0.5 (1102869-06) Soil Sampled: 06/24/11 14:30 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1G0607	07/06/11	07/07/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT2_0.5-0.5 (1102869-06) Soil Sampled: 06/24/11 14:30 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1G0607	07/06/11	07/07/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	77.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	66.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D4-TT1_0.5-0.5 (1102869-08) Soil Sampled: 06/24/11 15:10 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G0607	07/06/11	07/07/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D4-TT1_0.5-0.5 (1102869-08) Soil Sampled: 06/24/11 15:10 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1G0607	07/06/11	07/07/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	70.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	53.0			53.9-97.9 %		"	"	"	"	S-GC
Surrogate: 2-Fluorophenol	47.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	50.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	53.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	80.6			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-TT1_0.5-0.5 (1102869-09) Soil Sampled: 06/24/11 16:30 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.37	4.0	0.37	mg/kg dry	10	B1G0630	07/06/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.40	4.0	0.40	mg/kg dry	10	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.43	4.0	0.43	mg/kg dry	10	"	"	"	"	
1,3-Dichlorobenzene	<0.37	4.0	0.37	mg/kg dry	10	"	"	"	"	
1,4-Dichlorobenzene	<0.35	4.0	0.35	mg/kg dry	10	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.94	8.1	0.94	mg/kg dry	10	"	"	"	"	
2,4,5-Trichlorophenol	<0.45	8.1	0.45	mg/kg dry	10	"	"	"	"	
2,4,6-Trichlorophenol	<0.96	8.1	0.96	mg/kg dry	10	"	"	"	"	
2,4-Dichlorophenol	<0.90	8.1	0.90	mg/kg dry	10	"	"	"	"	
2,4-Dimethylphenol	<0.96	8.1	0.96	mg/kg dry	10	"	"	"	"	
2,4-Dinitrophenol	<0.39	8.1	0.39	mg/kg dry	10	"	"	"	"	
2,4-Dinitrotoluene	<0.42	4.0	0.42	mg/kg dry	10	"	"	"	"	
2,6-Dichlorophenol	<0.83	8.1	0.83	mg/kg dry	10	"	"	"	"	
2,6-Dinitrotoluene	<0.47	4.0	0.47	mg/kg dry	10	"	"	"	"	
2-Chloronaphthalene	<0.41	4.0	0.41	mg/kg dry	10	"	"	"	"	
2-Chlorophenol	<0.72	8.1	0.72	mg/kg dry	10	"	"	"	"	
2-Methylnaphthalene	24	4.0	0.43	mg/kg dry	10	"	"	"	"	
2-Methylphenol	0.46	8.1	0.41	mg/kg dry	10	"	"	"	"	J
2-Nitroaniline	<0.46	4.0	0.46	mg/kg dry	10	"	"	"	"	
2-Nitrophenol	<1.0	8.1	1.0	mg/kg dry	10	"	"	"	"	
3&4-Methylphenol	<0.39	8.1	0.39	mg/kg dry	10	"	"	"	"	
3,3'-Dichlorobenzidine	<1.8	19	1.8	mg/kg dry	10	"	"	"	"	
3-Nitroaniline	<0.33	4.0	0.33	mg/kg dry	10	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.41	8.1	0.41	mg/kg dry	10	"	"	"	"	
4-Bromophenyl phenyl ether	<0.40	4.0	0.40	mg/kg dry	10	"	"	"	"	
4-Chloro-3-methylphenol	<0.80	8.1	0.80	mg/kg dry	10	"	"	"	"	
4-Chloroaniline	<0.33	8.1	0.33	mg/kg dry	10	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.43	4.0	0.43	mg/kg dry	10	"	"	"	"	
4-Nitroaniline	<0.41	4.0	0.41	mg/kg dry	10	"	"	"	"	
4-Nitrophenol	<1.1	8.1	1.1	mg/kg dry	10	"	"	"	"	
Acenaphthene	82	4.0	0.46	mg/kg dry	10	"	"	"	"	
Acenaphthylene	<0.49	4.0	0.49	mg/kg dry	10	"	"	"	"	
Aniline	<0.37	8.1	0.37	mg/kg dry	10	"	"	"	"	
Anthracene	170	80	8.7	mg/kg dry	200	"	"	07/08/11	"	
Benzidine	<2.3	30	2.3	mg/kg dry	10	"	"	07/08/11	"	
Benzo(a)anthracene	210	80	9.9	mg/kg dry	200	"	"	07/08/11	"	
Benzo(a)pyrene	160	80	10	mg/kg dry	200	"	"	"	"	
Benzo(b)fluoranthene	190	80	10	mg/kg dry	200	"	"	"	"	
Benzo(g,h,i)perylene	57	4.0	0.52	mg/kg dry	10	"	"	07/08/11	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-TT1_0.5-0.5 (1102869-09) Soil Sampled: 06/24/11 16:30 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	78	4.0	0.58	mg/kg dry	10	B1G0630	07/06/11	07/08/11	EPA 8270C	
Benzoic acid	<0.29	4.0	0.29	mg/kg dry	10	"	"	"	"	
Benzyl alcohol	<1.1	8.1	1.1	mg/kg dry	10	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.41	4.0	0.41	mg/kg dry	10	"	"	"	"	
Bis(2-chloroethyl)ether	<0.42	4.0	0.42	mg/kg dry	10	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.41	4.0	0.41	mg/kg dry	10	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.58	4.0	0.58	mg/kg dry	10	"	"	"	"	
Butyl benzyl phthalate	<0.51	4.0	0.51	mg/kg dry	10	"	"	"	"	
Carbazole	82	4.0	0.42	mg/kg dry	10	"	"	"	"	
Chrysene	200	80	11	mg/kg dry	200	"	"	07/08/11	"	
Dibenz(a,h)anthracene	21	4.0	0.52	mg/kg dry	10	"	"	07/08/11	"	
Dibenzofuran	52	4.0	0.40	mg/kg dry	10	"	"	"	"	
Diethyl phthalate	<0.37	4.0	0.37	mg/kg dry	10	"	"	"	"	
Dimethyl phthalate	<0.36	4.0	0.36	mg/kg dry	10	"	"	"	"	
Di-n-butyl phthalate	<0.53	4.0	0.53	mg/kg dry	10	"	"	"	"	
Di-n-octyl phthalate	<0.58	4.0	0.58	mg/kg dry	10	"	"	"	"	
Fluoranthene	420	80	9.4	mg/kg dry	200	"	"	07/08/11	"	
Fluorene	100	4.0	0.42	mg/kg dry	10	"	"	07/08/11	"	
Hexachlorobenzene	<0.43	4.0	0.43	mg/kg dry	10	"	"	"	"	
Hexachlorobutadiene	<0.36	4.0	0.36	mg/kg dry	10	"	"	"	"	
Hexachlorocyclopentadiene	<0.29	4.0	0.29	mg/kg dry	10	"	"	"	"	
Hexachloroethane	<0.36	4.0	0.36	mg/kg dry	10	"	"	"	"	
Indeno (1,2,3-cd) pyrene	66	4.0	0.48	mg/kg dry	10	"	"	"	"	
Isophorone	<0.37	4.0	0.37	mg/kg dry	10	"	"	"	"	
Naphthalene	54	4.0	0.40	mg/kg dry	10	"	"	"	"	
Nitrobenzene	<0.40	4.0	0.40	mg/kg dry	10	"	"	"	"	
N-Nitrosodimethylamine	<0.27	4.0	0.27	mg/kg dry	10	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.40	4.0	0.40	mg/kg dry	10	"	"	"	"	
N-Nitrosodiphenylamine	<0.31	4.0	0.31	mg/kg dry	10	"	"	"	"	
Pentachlorophenol	<0.94	8.1	0.94	mg/kg dry	10	"	"	"	"	
Phenanthrene	500	80	8.7	mg/kg dry	200	"	"	07/08/11	"	
Phenol	1.3	8.1	0.83	mg/kg dry	10	"	"	07/08/11	"	J
Pyrene	390	80	9.9	mg/kg dry	200	"	"	07/08/11	"	
Surrogate: 2,4,6-Tribromophenol	56.6			53-107 %		"	"	07/08/11	"	
Surrogate: 2-Fluorobiphenyl	59.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	62.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	52.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-TT1_1-1 (1102869-10) Soil Sampled: 06/24/11 16:35 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	0.094	0.34	0.037	mg/kg dry	1	"	"	"	"	M2, J
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-TT1_1-1 (1102869-10) Soil Sampled: 06/24/11 16:35 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.19	0.34	0.040	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	M2
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.27	0.34	0.037	mg/kg dry	1	"	"	"	"	J
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	0.16	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	68.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	50.4			53.9-97.9 %		"	"	"	"	S-GC
Surrogate: 2-Fluorophenol	48.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	52.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	51.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	90.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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D3-TT1_0.5-0.5 (1102869-04) Soil Sampled: 06/24/11 13:30 Received: 06/27/11 15:53

1,1,1,2-Tetrachloroethane	<0.067	0.28	0.067	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1,1-Trichloroethane	<0.036	0.28	0.036	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.039	0.28	0.039	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.077	0.28	0.077	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.069	0.57	0.069	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.027	0.28	0.027	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.031	0.57	0.031	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.078	0.57	0.078	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.031	0.28	0.031	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.035	0.28	0.035	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.068	0.57	0.068	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.10	2.3	0.10	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
Acetone	<0.22	2.3	0.22	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.066	0.57	0.066	mg/kg dry	1	"	"	"	"	
Benzene	<0.017	0.28	0.017	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.031	0.28	0.031	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.042	0.28	0.042	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.031	0.28	0.031	mg/kg dry	1	"	"	"	"	
Bromoform	<0.031	0.57	0.031	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.57	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.039	0.28	0.039	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.042	0.28	0.042	mg/kg dry	1	"	"	"	"	
Chloroform	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.069	0.28	0.069	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT1_0.5-0.5 (1102869-04) Soil Sampled: 06/24/11 13:30 Received: 06/27/11 15:53										
cis-1,3-Dichloropropene	<0.025	0.28	0.025	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
Dibromochloromethane	<0.039	0.28	0.039	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.033	0.28	0.033	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.11	0.57	0.11	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.043	0.28	0.043	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.043	0.57	0.043	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.012	0.28	0.012	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.078	1.1	0.078	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.053	0.57	0.053	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.093	0.57	0.093	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.32	1.1	0.066	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.062	0.57	0.062	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.031	0.28	0.031	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
Styrene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.032	0.28	0.032	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.14	2.3	0.14	mg/kg dry	1	"	"	"	"	
Toluene	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.034	0.28	0.034	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.047	0.28	0.047	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.040	0.28	0.040	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.074	0.28	0.074	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	92.4			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	90.6			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	89.6			78.1-125 %		"	"	"	"	

D3-TT3_1-1 (1102869-05) Soil Sampled: 06/24/11 14:00 Received: 06/27/11 15:53										
1,1,1,2-Tetrachloroethane	<0.085	0.36	0.085	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1,1-Trichloroethane	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.049	0.36	0.049	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.098	0.36	0.098	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT3_1-1 (1102869-05) Soil Sampled: 06/24/11 14:00 Received: 06/27/11 15:53										
1,1-Dichloroethene	<0.036	0.36	0.036	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1-Dichloropropene	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.088	0.72	0.088	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.039	0.72	0.039	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.099	0.72	0.099	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.13	2.9	0.13	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.020	0.36	0.020	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
Acetone	<0.27	2.9	0.27	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.083	0.72	0.083	mg/kg dry	1	"	"	"	"	
Benzene	<0.022	0.36	0.022	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Bromoform	<0.039	0.72	0.039	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.16	0.72	0.16	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.049	0.36	0.049	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.027	0.36	0.027	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Chloroform	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.088	0.36	0.088	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.049	0.36	0.049	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.14	0.72	0.14	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.055	0.36	0.055	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.055	0.72	0.055	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT3_1-1 (1102869-05) Soil Sampled: 06/24/11 14:00 Received: 06/27/11 15:53										
Ethylbenzene	<0.016	0.36	0.016	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
Hexachlorobutadiene	<0.099	1.4	0.099	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.027	0.36	0.027	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.067	0.72	0.067	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.12	0.72	0.12	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.023	0.36	0.023	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.38	1.4	0.083	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.079	0.72	0.079	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.020	0.36	0.020	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
Styrene	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.17	2.9	0.17	mg/kg dry	1	"	"	"	"	
Toluene	<0.023	0.36	0.023	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.059	0.36	0.059	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.050	0.36	0.050	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.093	0.36	0.093	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	92.7			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	89.5			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.2			78.1-125 %		"	"	"	"	

Trip Blank (1102869-07) Methanol Sampled: 06/24/11 00:00 Received: 06/27/11 15:53										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1102869-07) Methanol Sampled: 06/24/11 00:00 Received: 06/27/11 15:53										
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1102869-07) Methanol Sampled: 06/24/11 00:00 Received: 06/27/11 15:53										
Methylene chloride	0.25	1.0	0.058	mg/kg wet	1	B1F3019	06/30/11	06/30/11	EPA 8260B	B-01, J
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	90.0			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	90.2			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	89.3			78.1-125 %		"	"	"	"	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0101 - EPA 7471A											
Blank (B1G0101-BLK1)						Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0101-BS1)						Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.209	0.10	0.019	mg/kg wet	0.200		104	80-120			
LCS Dup (B1G0101-BSD1)						Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.204	0.10	0.019	mg/kg wet	0.200		102	80-120	2.42	20	
Matrix Spike (B1G0101-MS1)						Source: 1102846-01 Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.246	0.11	0.021	mg/kg dry	0.219	<0.11	102	75-125			
Matrix Spike Dup (B1G0101-MSD1)						Source: 1102846-01 Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.246	0.11	0.021	mg/kg dry	0.219	<0.11	102	75-125	0.0377	20	
Batch B1G0112 - EPA 3050B											
Blank (B1G0112-BLK1)						Prepared: 07/01/11 Analyzed: 07/05/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0112-BS1)						Prepared: 07/01/11 Analyzed: 07/05/11					
Arsenic	41.3	0.50	0.055	mg/kg wet	39.9		104	80-120			
Barium	40.5	1.0	0.060	mg/kg wet	39.9		101	80-120			
Cadmium	40.0	0.25	0.033	mg/kg wet	39.9		100	80-120			
Chromium	41.0	0.50	0.012	mg/kg wet	39.9		103	80-120			
Lead	41.6	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	41.1	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.03	0.25	0.016	mg/kg wet	3.99		101	80-120			
LCS Dup (B1G0112-BSD1)						Prepared: 07/01/11 Analyzed: 07/05/11					
Arsenic	42.9	0.50	0.055	mg/kg wet	39.9		108	80-120	3.80	20	
Barium	42.4	1.0	0.060	mg/kg wet	39.9		106	80-120	4.61	20	
Cadmium	41.6	0.25	0.033	mg/kg wet	39.9		104	80-120	4.02	20	
Chromium	42.8	0.50	0.012	mg/kg wet	39.9		107	80-120	4.12	20	
Lead	43.3	1.0	0.14	mg/kg wet	39.9		109	80-120	4.02	20	
Selenium	42.9	1.0	0.095	mg/kg wet	39.9		108	80-120	4.28	20	
Silver	4.18	0.25	0.016	mg/kg wet	3.99		105	80-120	3.74	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0112 - EPA 3050B											
Matrix Spike (B1G0112-MS1)		Source: 1102869-01			Prepared: 07/01/11		Analyzed: 07/05/11				
Arsenic	45.6	0.53	0.058	mg/kg dry	41.0	1.77	107	75-125			
Barium	62.3	1.1	0.063	mg/kg dry	41.0	17.2	110	75-125			
Cadmium	42.7	0.26	0.035	mg/kg dry	41.0	<0.26	104	75-125			
Chromium	46.7	0.53	0.013	mg/kg dry	41.0	5.68	100	75-125			
Lead	43.3	1.1	0.15	mg/kg dry	41.0	2.15	100	75-125			
Selenium	43.7	1.1	0.10	mg/kg dry	41.0	<1.1	107	75-125			
Silver	4.13	0.26	0.017	mg/kg dry	4.10	<0.26	101	75-125			
Matrix Spike Dup (B1G0112-MSD1)											
Matrix Spike Dup (B1G0112-MSD1)		Source: 1102869-01			Prepared: 07/01/11		Analyzed: 07/05/11				
Arsenic	44.3	0.53	0.058	mg/kg dry	40.8	1.77	104	75-125	3.03	20	
Barium	58.5	1.1	0.063	mg/kg dry	40.8	17.2	101	75-125	6.31	20	
Cadmium	41.2	0.26	0.035	mg/kg dry	40.8	<0.26	101	75-125	3.52	20	
Chromium	45.4	0.53	0.013	mg/kg dry	40.8	5.68	97.3	75-125	2.91	20	
Lead	42.1	1.1	0.15	mg/kg dry	40.8	2.15	98.1	75-125	2.69	20	
Selenium	42.3	1.1	0.10	mg/kg dry	40.8	<1.1	104	75-125	3.25	20	
Silver	4.02	0.26	0.017	mg/kg dry	4.08	<0.26	98.6	75-125	2.73	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0508 - General Preparation											
Duplicate (B1G0508-DUP1)											
% Solids	97.0			%		97.0			0.00	20	
						Source: 1102869-10	Prepared & Analyzed: 07/05/11				
Duplicate (B1G0508-DUP2)											
% Solids	88.0			%		86.0			2.30	20	
						Source: 1102932-02	Prepared & Analyzed: 07/05/11				
Duplicate (B1G0508-DUP3)											
% Solids	78.0			%		79.0			1.27	20	
						Source: 1102951-02	Prepared & Analyzed: 07/05/11				
Duplicate (B1G0508-DUP4)											
% Solids	89.0			%		88.0			1.13	20	
						Source: 1102952-01	Prepared & Analyzed: 07/05/11				

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0607 - EPA 3545 ASE Extraction

Blank (B1G0607-BLK1)

Prepared & Analyzed: 07/06/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0607 - EPA 3545 ASE Extraction

Blank (B1G0607-BLK1)

Prepared & Analyzed: 07/06/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.96			mg/kg wet	6.67		74.4	53-107			
Surrogate: 2-Fluorobiphenyl	4.40			mg/kg wet	6.67		66.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.43			mg/kg wet	6.67		66.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.55			mg/kg wet	6.67		68.2	48.9-100			
Surrogate: Phenol-d6	4.68			mg/kg wet	6.67		70.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.67			mg/kg wet	6.67		85.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0607 - EPA 3545 ASE Extraction

LCS (B1G0607-BS1)

Prepared: 07/06/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.27	0.33	0.031	mg/kg wet	6.67		64.1	59.1-87.7			
1,4-Dichlorobenzene	3.93	0.33	0.029	mg/kg wet	6.67		58.9	50.3-72.9			
2,4-Dinitrotoluene	4.78	0.33	0.035	mg/kg wet	6.67		71.7	59.8-82.2			
2-Chlorophenol	4.57	0.67	0.060	mg/kg wet	6.67		68.6	59.7-77.3			
4-Chloro-3-methylphenol	4.81	0.67	0.066	mg/kg wet	6.67		72.1	63.6-80.4			
4-Nitrophenol	4.79	0.67	0.093	mg/kg wet	6.67		71.9	57.3-84.9			
Anthracene	5.07	0.33	0.036	mg/kg wet	6.67		76.1	67.3-88			
Benzo(a)anthracene	5.42	0.33	0.041	mg/kg wet	6.67		81.2	66.5-90.5			
Benzo(a)pyrene	5.80	0.33	0.042	mg/kg wet	6.67		87.0	66.1-89.7			
Chrysene	5.41	0.33	0.044	mg/kg wet	6.67		81.2	65.5-90.5			
Fluoranthene	5.11	0.33	0.039	mg/kg wet	6.67		76.6	66.7-89.9			
Fluorene	4.64	0.33	0.035	mg/kg wet	6.67		69.6	66.2-85.6			
N-Nitrosodi-n-propylamine	4.58	0.33	0.033	mg/kg wet	6.67		68.7	59.4-78			
Pentachlorophenol	5.09	0.67	0.078	mg/kg wet	6.67		76.4	46.7-83.2			
Phenanthrene	5.17	0.33	0.036	mg/kg wet	6.67		77.5	67.5-87.9			
Phenol	3.98	0.67	0.069	mg/kg wet	6.67		59.7	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.61			mg/kg wet	6.67		84.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.28			mg/kg wet	6.67		64.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.18			mg/kg wet	6.67		62.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.47			mg/kg wet	6.67		67.0	48.9-100			
Surrogate: Phenol-d6	4.60			mg/kg wet	6.67		69.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.94			mg/kg wet	6.67		74.2	51-99.6			

Matrix Spike (B1G0607-MS1)

Source: 1102864-12

Prepared: 07/06/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.52	1.8	0.17	mg/kg dry	7.22	<1.8	62.7	44.8-97.9			
1,4-Dichlorobenzene	4.42	1.8	0.16	mg/kg dry	7.22	<1.8	61.2	42.3-77.9			
2,4-Dinitrotoluene	5.10	1.8	0.19	mg/kg dry	7.22	<1.8	70.6	57.3-86.6			
2-Chlorophenol	4.94	3.6	0.32	mg/kg dry	7.22	<3.6	68.4	43.3-93.2			
4-Chloro-3-methylphenol	5.60	3.6	0.35	mg/kg dry	7.22	<3.6	77.7	47.1-97.6			
4-Nitrophenol	5.57	3.6	0.50	mg/kg dry	7.22	<3.6	77.2	49.3-96.2			
Anthracene	6.71	1.8	0.19	mg/kg dry	7.22	2.94	52.2	67.5-93.1			QM-05
Benzo(a)anthracene	8.74	1.8	0.22	mg/kg dry	7.22	4.78	54.8	59.8-95.7			QM-05
Benzo(a)pyrene	7.68	1.8	0.23	mg/kg dry	7.22	3.79	53.9	59.8-92.7			QM-05
Chrysene	8.82	1.8	0.24	mg/kg dry	7.22	5.24	49.7	62.5-94.6			QM-05
Fluoranthene	10.8	1.8	0.21	mg/kg dry	7.22	9.77	13.8	61.3-92.8			QM-05
Fluorene	6.05	1.8	0.19	mg/kg dry	7.22	<1.8	62.0	62.8-92.6			QM-05
N-Nitrosodi-n-propylamine	5.16	1.8	0.18	mg/kg dry	7.22	<1.8	71.5	46.9-89.9			
Pentachlorophenol	6.09	3.6	0.42	mg/kg dry	7.22	<3.6	84.5	40.1-95.1			
Phenanthrene	9.75	1.8	0.19	mg/kg dry	7.22	10.4	NR	65.2-92.2			QM-05
Phenol	5.02	3.6	0.37	mg/kg dry	7.22	<3.6	69.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0607 - EPA 3545 ASE Extraction

Matrix Spike (B1G0607-MS1)

Source: 1102864-12

Prepared: 07/06/11

Analyzed: 07/08/11

Surrogate: 2,4,6-Tribromophenol	5.18			mg/kg dry	7.22		71.8	53-107			
Surrogate: 2-Fluorobiphenyl	4.75			mg/kg dry	7.22		65.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.80			mg/kg dry	7.22		66.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.79			mg/kg dry	7.22		66.4	48.9-100			
Surrogate: Phenol-d6	5.00			mg/kg dry	7.22		69.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.31			mg/kg dry	7.22		73.6	51-99.6			

Matrix Spike Dup (B1G0607-MSD1)

Source: 1102864-12

Prepared: 07/06/11

Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.30	1.8	0.17	mg/kg dry	7.16	<1.8	60.1	44.8-97.9	4.96	19.6	
1,4-Dichlorobenzene	4.17	1.8	0.16	mg/kg dry	7.16	<1.8	58.2	42.3-77.9	5.73	22.4	
2,4-Dinitrotoluene	5.06	1.8	0.19	mg/kg dry	7.16	<1.8	70.6	57.3-86.6	0.745	19.5	
2-Chlorophenol	4.63	3.6	0.32	mg/kg dry	7.16	<3.6	64.6	43.3-93.2	6.50	23.7	
4-Chloro-3-methylphenol	5.46	3.6	0.35	mg/kg dry	7.16	<3.6	76.2	47.1-97.6	2.68	18.3	
4-Nitrophenol	5.24	3.6	0.50	mg/kg dry	7.16	<3.6	73.2	49.3-96.2	6.08	20.4	
Anthracene	6.52	1.8	0.19	mg/kg dry	7.16	2.94	49.9	67.5-93.1	2.91	19.9	QM-05
Benzo(a)anthracene	8.37	1.8	0.22	mg/kg dry	7.16	4.78	50.1	59.8-95.7	4.33	23.4	QM-05
Benzo(a)pyrene	7.40	1.8	0.23	mg/kg dry	7.16	3.79	50.4	59.8-92.7	3.68	21.1	QM-05
Chrysene	8.58	1.8	0.24	mg/kg dry	7.16	5.24	46.7	62.5-94.6	2.74	24.8	QM-05
Fluoranthene	10.3	1.8	0.21	mg/kg dry	7.16	9.77	7.92	61.3-92.8	4.04	21.8	QM-05
Fluorene	5.79	1.8	0.19	mg/kg dry	7.16	<1.8	58.7	62.8-92.6	4.44	17.6	QM-05
N-Nitrosodi-n-propylamine	4.79	1.8	0.18	mg/kg dry	7.16	<1.8	66.9	46.9-89.9	7.32	18.9	
Pentachlorophenol	5.85	3.6	0.42	mg/kg dry	7.16	<3.6	81.7	40.1-95.1	4.10	19.7	
Phenanthrene	9.40	1.8	0.19	mg/kg dry	7.16	10.4	NR	65.2-92.2	3.59	20.5	QM-05
Phenol	4.73	3.6	0.37	mg/kg dry	7.16	<3.6	66.1	44.7-91	5.99	17.9	
Surrogate: 2,4,6-Tribromophenol	5.18			mg/kg dry	7.16		72.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.69			mg/kg dry	7.16		65.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.52			mg/kg dry	7.16		63.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.82			mg/kg dry	7.16		67.3	48.9-100			
Surrogate: Phenol-d6	4.82			mg/kg dry	7.16		67.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.16			mg/kg dry	7.16		72.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

Blank (B1G0630-BLK1)

Prepared: 07/06/11 Analyzed: 07/07/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

Blank (B1G0630-BLK1)

Prepared: 07/06/11 Analyzed: 07/07/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.66			mg/kg wet	6.67		69.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.33			mg/kg wet	6.67		65.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.19			mg/kg wet	6.67		62.9	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.32			mg/kg wet	6.67		64.8	48.9-100			
Surrogate: Phenol-d6	4.37			mg/kg wet	6.67		65.5	50.4-99.6			
Surrogate: Terphenyl-d14	6.22			mg/kg wet	6.67		93.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

LCS (B1G0630-BS1)

Prepared: 07/06/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.35	0.33	0.031	mg/kg wet	6.67		65.3	59.1-87.7			
1,4-Dichlorobenzene	3.96	0.33	0.029	mg/kg wet	6.67		59.4	50.3-72.9			
2,4-Dinitrotoluene	4.76	0.33	0.035	mg/kg wet	6.67		71.3	59.8-82.2			
2-Chlorophenol	4.77	0.67	0.060	mg/kg wet	6.67		71.6	59.7-77.3			
4-Chloro-3-methylphenol	4.98	0.67	0.066	mg/kg wet	6.67		74.7	63.6-80.4			
4-Nitrophenol	5.00	0.67	0.093	mg/kg wet	6.67		75.0	57.3-84.9			
Anthracene	5.08	0.33	0.036	mg/kg wet	6.67		76.2	67.3-88			
Benzo(a)anthracene	5.41	0.33	0.041	mg/kg wet	6.67		81.2	66.5-90.5			
Benzo(a)pyrene	5.81	0.33	0.042	mg/kg wet	6.67		87.1	66.1-89.7			
Chrysene	5.40	0.33	0.044	mg/kg wet	6.67		81.0	65.5-90.5			
Fluoranthene	5.05	0.33	0.039	mg/kg wet	6.67		75.8	66.7-89.9			
Fluorene	4.60	0.33	0.035	mg/kg wet	6.67		69.1	66.2-85.6			
N-Nitrosodi-n-propylamine	4.63	0.33	0.033	mg/kg wet	6.67		69.5	59.4-78			
Pentachlorophenol	5.48	0.67	0.078	mg/kg wet	6.67		82.1	46.7-83.2			
Phenanthrene	5.19	0.33	0.036	mg/kg wet	6.67		77.8	67.5-87.9			
Phenol	4.19	0.67	0.069	mg/kg wet	6.67		62.8	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.64			mg/kg wet	6.67		84.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.27			mg/kg wet	6.67		64.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.18			mg/kg wet	6.67		62.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.50			mg/kg wet	6.67		67.5	48.9-100			
Surrogate: Phenol-d6	4.62			mg/kg wet	6.67		69.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.94			mg/kg wet	6.67		74.1	51-99.6			

Matrix Spike (B1G0630-MS1)

Source: 1102869-10

Prepared: 07/06/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.00	0.34	0.032	mg/kg dry	6.96	<0.34	57.5	44.8-97.9			
1,4-Dichlorobenzene	3.60	0.34	0.030	mg/kg dry	6.96	<0.34	51.8	42.3-77.9			
2,4-Dinitrotoluene	4.38	0.34	0.036	mg/kg dry	6.96	<0.34	63.0	57.3-86.6			
2-Chlorophenol	3.92	0.69	0.062	mg/kg dry	6.96	<0.69	56.4	43.3-93.2			
4-Chloro-3-methylphenol	4.13	0.69	0.068	mg/kg dry	6.96	<0.69	59.4	47.1-97.6			
4-Nitrophenol	4.10	0.69	0.096	mg/kg dry	6.96	<0.69	59.0	49.3-96.2			
Anthracene	4.79	0.34	0.037	mg/kg dry	6.96	<0.34	67.5	67.5-93.1			
Benzo(a)anthracene	5.20	0.34	0.042	mg/kg dry	6.96	<0.34	74.8	59.8-95.7			
Benzo(a)pyrene	5.17	0.34	0.043	mg/kg dry	6.96	<0.34	74.3	59.8-92.7			
Chrysene	5.14	0.34	0.045	mg/kg dry	6.96	<0.34	73.8	62.5-94.6			
Fluoranthene	4.88	0.34	0.040	mg/kg dry	6.96	<0.34	67.5	61.3-92.8			
Fluorene	4.31	0.34	0.036	mg/kg dry	6.96	<0.34	62.0	62.8-92.6			M2
N-Nitrosodi-n-propylamine	4.28	0.34	0.034	mg/kg dry	6.96	<0.34	61.6	46.9-89.9			
Pentachlorophenol	4.44	0.69	0.080	mg/kg dry	6.96	<0.69	63.8	40.1-95.1			
Phenanthrene	4.95	0.34	0.037	mg/kg dry	6.96	<0.34	67.2	65.2-92.2			
Phenol	3.49	0.69	0.071	mg/kg dry	6.96	<0.69	50.1	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

Matrix Spike (B1G0630-MS1)

Source: 1102869-10

Prepared: 07/06/11

Analyzed: 07/08/11

Surrogate: 2,4,6-Tribromophenol	5.33			mg/kg dry	6.96		76.7	53-107			
Surrogate: 2-Fluorobiphenyl	3.96			mg/kg dry	6.96		57.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.88			mg/kg dry	6.96		55.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.17			mg/kg dry	6.96		60.0	48.9-100			
Surrogate: Phenol-d6	4.30			mg/kg dry	6.96		61.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.57			mg/kg dry	6.96		65.7	51-99.6			

Matrix Spike Dup (B1G0630-MSD1)

Source: 1102869-10

Prepared: 07/06/11

Analyzed: 07/08/11

1,2,4-Trichlorobenzene	3.66	0.34	0.032	mg/kg dry	6.95	<0.34	52.6	44.8-97.9	8.87	19.6	
1,4-Dichlorobenzene	3.29	0.34	0.030	mg/kg dry	6.95	<0.34	47.3	42.3-77.9	9.20	22.4	
2,4-Dinitrotoluene	4.39	0.34	0.036	mg/kg dry	6.95	<0.34	63.1	57.3-86.6	0.221	19.5	
2-Chlorophenol	3.56	0.69	0.062	mg/kg dry	6.95	<0.69	51.3	43.3-93.2	9.64	23.7	
4-Chloro-3-methylphenol	3.96	0.69	0.068	mg/kg dry	6.95	<0.69	56.9	47.1-97.6	4.35	18.3	
4-Nitrophenol	4.18	0.69	0.096	mg/kg dry	6.95	<0.69	60.1	49.3-96.2	1.74	20.4	
Anthracene	4.78	0.34	0.037	mg/kg dry	6.95	<0.34	67.4	67.5-93.1	0.114	19.9	M2
Benzo(a)anthracene	5.13	0.34	0.042	mg/kg dry	6.95	<0.34	73.8	59.8-95.7	1.35	23.4	
Benzo(a)pyrene	5.06	0.34	0.043	mg/kg dry	6.95	<0.34	72.8	59.8-92.7	2.18	21.1	
Chrysene	5.09	0.34	0.045	mg/kg dry	6.95	<0.34	73.3	62.5-94.6	0.834	24.8	
Fluoranthene	4.82	0.34	0.040	mg/kg dry	6.95	<0.34	66.7	61.3-92.8	1.28	21.8	
Fluorene	4.24	0.34	0.036	mg/kg dry	6.95	<0.34	61.0	62.8-92.6	1.56	17.6	M2
N-Nitrosodi-n-propylamine	3.96	0.34	0.034	mg/kg dry	6.95	<0.34	56.9	46.9-89.9	7.94	18.9	
Pentachlorophenol	4.51	0.69	0.080	mg/kg dry	6.95	<0.69	64.8	40.1-95.1	1.63	19.7	
Phenanthrene	4.85	0.34	0.037	mg/kg dry	6.95	<0.34	65.9	65.2-92.2	1.88	20.5	
Phenol	3.21	0.69	0.071	mg/kg dry	6.95	<0.69	46.1	44.7-91	8.30	17.9	
Surrogate: 2,4,6-Tribromophenol	5.24			mg/kg dry	6.95		75.4	53-107			
Surrogate: 2-Fluorobiphenyl	3.73			mg/kg dry	6.95		53.6	53.9-97.9			S-GC
Surrogate: 2-Fluorophenol	3.47			mg/kg dry	6.95		50.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.83			mg/kg dry	6.95		55.1	48.9-100			
Surrogate: Phenol-d6	3.93			mg/kg dry	6.95		56.5	50.4-99.6			
Surrogate: Terphenyl-d14	4.58			mg/kg dry	6.95		65.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

Blank (B1F3019-BLK1)

Prepared & Analyzed: 06/30/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

Blank (B1F3019-BLK1)

Prepared & Analyzed: 06/30/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	0.117	1.0	0.058	mg/kg wet							B-02, J
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	44.1			ug/L	50.0		88.1	80-124			
Surrogate: Dibromofluoromethane	45.2			ug/L	50.0		90.5	77.1-123			
Surrogate: Toluene-d8	45.1			ug/L	50.0		90.2	78.1-125			

LCS (B1F3019-BS1)

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.2			ug/L	50.0		100	75-120			
1,1-Dichloroethane	46.1			ug/L	50.0		92.1	79.6-120			
1,1-Dichloroethene	47.8			ug/L	50.0		95.6	78.3-120			
1,3,5-Trimethylbenzene	50.1			ug/L	50.0		100	77-120			
1,4-Dichlorobenzene	51.5			ug/L	50.0		103	75-125			
2-Chlorotoluene	49.9			ug/L	50.0		99.9	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

LCS (B1F3019-BS1)

Prepared & Analyzed: 06/30/11

Benzene	45.6			ug/L	50.0		91.1	80-120			
Bromoform	49.8			ug/L	50.0		99.7	80-120			
Chlorobenzene	50.5			ug/L	50.0		101	80-120			
Chloroform	43.3			ug/L	50.0		86.7	80-120			
Ethylbenzene	50.1			ug/L	50.0		100	80-120			
n-Butylbenzene	52.2			ug/L	50.0		104	75-125			
n-Propylbenzene	50.4			ug/L	50.0		101	75-120			
Toluene	46.4			ug/L	50.0		92.9	80-120			
Trichloroethene	45.8			ug/L	50.0		91.7	80-120			
Vinyl chloride	45.5			ug/L	50.0		90.9	75-130			
Surrogate: 4-Bromofluorobenzene	47.8			ug/L	50.0		95.6	80-124			
Surrogate: Dibromofluoromethane	46.0			ug/L	50.0		92.0	77.1-123			
Surrogate: Toluene-d8	45.7			ug/L	50.0		91.5	78.1-125			

Matrix Spike (B1F3019-MS1)

Source: 1102846-02

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.3			ug/L	50.0	<	101	75-125			
1,1-Dichloroethane	45.2			ug/L	50.0	<	90.5	78.7-123			
1,1-Dichloroethene	46.9			ug/L	50.0	<	93.9	75.8-121			
1,3,5-Trimethylbenzene	49.7			ug/L	50.0	<	99.4	75-120			
1,4-Dichlorobenzene	50.0			ug/L	50.0	<	100	75-125			
2-Chlorotoluene	49.6			ug/L	50.0	<	99.2	75-120			
Benzene	44.0			ug/L	50.0	<	88.0	80-120			
Bromoform	46.7			ug/L	50.0	<	93.4	80-120			
Chlorobenzene	46.3			ug/L	50.0	<	92.7	80-120			
Chloroform	42.4			ug/L	50.0	<	84.7	80-120			
Ethylbenzene	46.6			ug/L	50.0	<	93.3	80-120			
n-Butylbenzene	49.9			ug/L	50.0	<	99.8	73.8-125			
n-Propylbenzene	50.5			ug/L	50.0	<	101	75-120			
Toluene	44.7			ug/L	50.0	<	89.5	80-120			
Trichloroethene	44.1			ug/L	50.0	<	88.2	80-120			
Vinyl chloride	42.7			ug/L	50.0	<	85.4	74.8-130			
Surrogate: 4-Bromofluorobenzene	47.4			ug/L	50.0		94.9	80-124			
Surrogate: Dibromofluoromethane	45.6			ug/L	50.0		91.2	77.1-123			
Surrogate: Toluene-d8	45.8			ug/L	50.0		91.5	78.1-125			

Matrix Spike Dup (B1F3019-MSD1)

Source: 1102846-02

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.8			ug/L	50.0	<	102	75-125	0.895	20	
1,1-Dichloroethane	42.7			ug/L	50.0	<	85.3	78.7-123	5.85	20	
1,1-Dichloroethene	43.0			ug/L	50.0	<	85.9	75.8-121	8.86	20	
1,3,5-Trimethylbenzene	48.9			ug/L	50.0	<	97.8	75-120	1.61	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F3019 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1F3019-MSD1)		Source: 1102846-02			Prepared & Analyzed: 06/30/11						
1,4-Dichlorobenzene	50.6			ug/L	50.0	<	101	75-125	1.11	20	
2-Chlorotoluene	49.5			ug/L	50.0	<	99.1	75-120	0.157	20	
Benzene	44.3			ug/L	50.0	<	88.6	80-120	0.681	20	
Bromoform	46.6			ug/L	50.0	<	93.1	80-120	0.348	20	
Chlorobenzene	46.4			ug/L	50.0	<	92.8	80-120	0.103	20	
Chloroform	41.7			ug/L	50.0	<	83.4	80-120	1.61	20	
Ethylbenzene	47.2			ug/L	50.0	<	94.4	80-120	1.22	20	
n-Butylbenzene	51.1			ug/L	50.0	<	102	73.8-125	2.31	20	
n-Propylbenzene	49.8			ug/L	50.0	<	99.7	75-120	1.24	20	
Toluene	45.5			ug/L	50.0	<	91.0	80-120	1.66	20	
Trichloroethene	44.8			ug/L	50.0	<	89.5	80-120	1.50	20	
Vinyl chloride	41.1			ug/L	50.0	<	82.2	74.8-130	3.86	20	
Surrogate: 4-Bromofluorobenzene	48.4			ug/L	50.0		96.7	80-124			
Surrogate: Dibromofluoromethane	45.6			ug/L	50.0		91.3	77.1-123			
Surrogate: Toluene-d8	45.8			ug/L	50.0		91.6	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-510 Project Manager: Ms. Andrea Nord	Work Order #: 1102869 Date Reported: 07/13/11
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Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
B-02	Target analyte was present in the method blank between the MDL and RL.
B-01	Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

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 St Paul, MN 55103
 Tel: 651-642-1150
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7th 6/28/11

Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

BARR 1102869

Project Number: 29/19-1092.00-488I 510
 Project Name: Umore Cass - DEF Line
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: NO 34316

COC 2 of 2
 Project Manager: SME
 Project OC Contact: AAN
 Sampled by: ADU
 Laboratory: Legend

No.	Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix	Type	Number of Containers/Preservative										Date	Time	
									Water					Soil							Total Number of Containers
									VOCS (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCI)	Nutrients (H ₂ SO ₄) #4	VOCS (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)			
01	D4-TT3-0	0.5	0.5	0.5	6/29/2011	10:20	X	N					X	X	X	3	Analyte ACETA METALS, SUBC ₁				
02	D1-TT4	0.5	0.5	0.5		11:00	X	X					X	X	X	3					
03	D4-TT2	0.5	0.5	0.5		11:35	X	X					X	X	X	3					
04	D3-TT1	0.5	0.5	0.5		13:30	X	X					X	X	X	4	Analyte ACETA METALS, VOCS SUBC				
05	D3-TT3	1.0	1.0	1.0		14:00	X	X					X	X	X	4					
06	D3-TT0	0.5	0.5	0.5		14:30	X	X					X	X	X	3	Analyte METALS, VOCS SUBC ₁				
07	TB	-	-	-		14:30	X	X					X	X	X	3	ANALYTE METALS, SVOCS				
08	D4-TT1	0.5	0.5	0.5		15:10	X	X					X	X	X	3					
09	D7-DD-TT1	0.5	0.5	0.5		16:30	X	X					X	X	X	3	HOLD-JME SVOCS ANALYTE SUBC ₁				
10	D7-DD-TT1	1	1	1		16:35	X	X					X	X	X	3	HOLD-JME				

Relinquished By: [Signature] Date: 6/27/11 Time: 14:00
 Relinquished By: [Signature] Date: 6/27/11 Time: 15:53

Received by: [Signature] Date: 6/27/11 Time: 15:53

Received by: [Signature] Date: 6/27/11 Time: 15:53

Samples Shipped Via: Air Freight Federal Express Sampler Other: [Signature]

Air Bill Number: 3.7 RL

H:\R\GIS\FORMS\Chain of Custody Form 2009 RLG Rev. 09/01/09



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 18, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102876
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/27/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Dan Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22926-TT1_0.5-0.5	1102876-01	Soil	06/24/11 08:00	06/27/11 15:53
RR-D5-TT1_0.5-0.5	1102876-02	Soil	06/24/11 08:30	06/27/11 15:53
RR-E5-TT1_0.5-0.5	1102876-03	Soil	06/24/11 09:00	06/27/11 15:53
D5-TT2_0.5-0.5	1102876-04	Soil	06/24/11 09:35	06/27/11 15:53

Shipping Container Information

Default Cooler Temperature (°C): 3.7

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Recoveries for 8270 matrix spike compounds fluorene in the batch B1G0630 MS/MSD and anthracene in the MSD were below laboratory limits. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS.

Recovery for the 8270 surrogate 2-fluorobiphenyl was below laboratory limits in sample 22926-TT1_0.5-0.5 and the MSD. Recovery for the surrogate terphenyl-d14 was above laboratory limits in samples RR-D5-TT1_0.5-0.5 ,and D5-TT2_0.5-0.5.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22926-TT1_0.5-0.5 (1102876-01) Soil Sampled: 06/24/11 08:00 Received: 06/27/11 15:53										
Arsenic	13	0.60	0.066	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	87	1.2	0.072	mg/kg dry	1	"	"	"	"	
Cadmium	0.31	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	12	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	12	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
RR-D5-TT1_0.5-0.5 (1102876-02) Soil Sampled: 06/24/11 08:30 Received: 06/27/11 15:53										
Arsenic	3.7	0.52	0.057	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	47	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	11	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	4.5	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
RR-E5-TT1_0.5-0.5 (1102876-03) Soil Sampled: 06/24/11 09:00 Received: 06/27/11 15:53										
Arsenic	6.0	0.64	0.071	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	150	1.3	0.077	mg/kg dry	1	"	"	"	"	
Cadmium	<0.32	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	15	0.64	0.015	mg/kg dry	1	"	"	"	"	
Lead	12	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.32	0.32	0.021	mg/kg dry	1	"	"	"	"	
D5-TT2_0.5-0.5 (1102876-04) Soil Sampled: 06/24/11 09:35 Received: 06/27/11 15:53										
Arsenic	5.7	0.60	0.065	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Barium	100	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.039	mg/kg dry	1	"	"	"	"	
Chromium	16	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	7.3	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F2922	06/29/11	06/30/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22926-TT1_0.5-0.5 (1102876-01) Soil Sampled: 06/24/11 08:00 Received: 06/27/11 15:53										
% Solids	83			%	1	B1G0514	07/05/11	07/06/11	% calculation	
RR-D5-TT1_0.5-0.5 (1102876-02) Soil Sampled: 06/24/11 08:30 Received: 06/27/11 15:53										
% Solids	90			%	1	B1G0514	07/05/11	07/06/11	% calculation	
RR-E5-TT1_0.5-0.5 (1102876-03) Soil Sampled: 06/24/11 09:00 Received: 06/27/11 15:53										
% Solids	78			%	1	B1G0514	07/05/11	07/06/11	% calculation	
D5-TT2_0.5-0.5 (1102876-04) Soil Sampled: 06/24/11 09:35 Received: 06/27/11 15:53										
% Solids	84			%	1	B1G0514	07/05/11	07/06/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22926-TT1_0.5-0.5 (1102876-01) Soil Sampled: 06/24/11 08:00 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.81	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.090	0.81	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.047	0.40	0.047	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.072	0.81	0.072	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.81	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.81	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.81	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.81	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22926-TT1_0.5-0.5 (1102876-01) Soil Sampled: 06/24/11 08:00 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.058	0.40	0.058	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.053	0.40	0.053	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.053	0.40	0.053	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.047	0.40	0.047	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.40	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	55.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	52.4			53.9-97.9 %		"	"	"	"	S-GC
Surrogate: 2-Fluorophenol	46.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	54.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	52.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-D5-TT1_0.5-0.5 (1102876-02) Soil Sampled: 06/24/11 08:30 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-D5-TT1_0.5-0.5 (1102876-02) Soil Sampled: 06/24/11 08:30 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	77.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	104			51-99.6 %		"	"	"	"	

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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-E5-TT1_0.5-0.5 (1102876-03) Soil Sampled: 06/24/11 09:00 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.040	0.42	0.040	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
1,2-Dichlorobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.040	0.42	0.040	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.10	0.86	0.10	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.047	0.86	0.047	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.86	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.096	0.86	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.86	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.041	0.86	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.045	0.42	0.045	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.088	0.86	0.088	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.050	0.42	0.050	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.077	0.86	0.077	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.044	0.86	0.044	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.86	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.041	0.86	0.041	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.1	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.035	0.42	0.035	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.044	0.86	0.044	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.085	0.86	0.085	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.035	0.86	0.035	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.86	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Aniline	<0.040	0.86	0.040	mg/kg dry	1	"	"	"	"	
Anthracene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.2	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.055	0.42	0.055	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.055	0.42	0.055	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-E5-TT1_0.5-0.5 (1102876-03) Soil Sampled: 06/24/11 09:00 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.062	0.42	0.062	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
Benzoic acid	<0.031	0.42	0.031	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.86	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.045	0.42	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.062	0.42	0.062	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Carbazole	<0.045	0.42	0.045	mg/kg dry	1	"	"	"	"	
Chrysene	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.055	0.42	0.055	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.040	0.42	0.040	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.062	0.42	0.062	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.050	0.42	0.050	mg/kg dry	1	"	"	"	"	
Fluorene	<0.045	0.42	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.031	0.42	0.031	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.051	0.42	0.051	mg/kg dry	1	"	"	"	"	
Isophorone	<0.040	0.42	0.040	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.42	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.033	0.42	0.033	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.10	0.86	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Phenol	<0.088	0.86	0.088	mg/kg dry	1	"	"	"	"	
Pyrene	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	71.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	93.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D5-TT2_0.5-0.5 (1102876-04) Soil Sampled: 06/24/11 09:35 Received: 06/27/11 15:53										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D5-TT2_0.5-0.5 (1102876-04) Soil Sampled: 06/24/11 09:35 Received: 06/27/11 15:53										
Benzo(k)fluoranthene	<0.057	0.39	0.057	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	106			51-99.6 %		"	"	"	"	S-GC



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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22926-TT1_0.5-0.5 (1102876-01) Soil Sampled: 06/24/11 08:00 Received: 06/27/11 15:53										
Flashpoint	>140			°F	1	B1G0810	07/08/11	07/08/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2922 - EPA 3050B

Blank (B1F2922-BLK1)

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1F2922-BS1)

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	42.0	0.50	0.055	mg/kg wet	39.9		105	80-120			
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120			
Cadmium	41.4	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	42.0	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	41.7	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	42.0	1.0	0.095	mg/kg wet	39.9		105	80-120			
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120			

LCS Dup (B1F2922-BSD1)

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	42.2	0.50	0.055	mg/kg wet	39.9		106	80-120	0.447	20	
Barium	42.5	1.0	0.060	mg/kg wet	39.9		107	80-120	1.74	20	
Cadmium	41.5	0.25	0.033	mg/kg wet	39.9		104	80-120	0.0883	20	
Chromium	42.3	0.50	0.012	mg/kg wet	39.9		106	80-120	0.555	20	
Lead	41.8	1.0	0.14	mg/kg wet	39.9		105	80-120	0.229	20	
Selenium	42.4	1.0	0.095	mg/kg wet	39.9		106	80-120	0.841	20	
Silver	4.11	0.25	0.016	mg/kg wet	3.99		103	80-120	1.31	20	

Matrix Spike (B1F2922-MS1)

Source: 1102840-04

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	43.7	0.53	0.059	mg/kg dry	41.2	2.56	99.9	75-125			
Barium	69.8	1.1	0.064	mg/kg dry	41.2	28.0	101	75-125			
Cadmium	41.2	0.27	0.035	mg/kg dry	41.2	<0.27	99.9	75-125			
Chromium	48.5	0.53	0.013	mg/kg dry	41.2	8.62	96.9	75-125			
Lead	42.5	1.1	0.15	mg/kg dry	41.2	2.36	97.6	75-125			
Selenium	41.6	1.1	0.10	mg/kg dry	41.2	<1.1	101	75-125			
Silver	4.02	0.27	0.017	mg/kg dry	4.12	<0.27	97.7	75-125			

Matrix Spike Dup (B1F2922-MSD1)

Source: 1102840-04

Prepared: 06/29/11 Analyzed: 06/30/11

Arsenic	43.5	0.53	0.059	mg/kg dry	41.1	2.56	99.7	75-125	0.293	20	
Barium	71.9	1.1	0.064	mg/kg dry	41.1	28.0	107	75-125	3.03	20	
Cadmium	41.5	0.27	0.035	mg/kg dry	41.1	<0.27	101	75-125	0.884	20	
Chromium	48.4	0.53	0.013	mg/kg dry	41.1	8.62	96.8	75-125	0.258	20	
Lead	42.5	1.1	0.15	mg/kg dry	41.1	2.36	97.6	75-125	0.150	20	
Selenium	41.3	1.1	0.10	mg/kg dry	41.1	<1.1	101	75-125	0.560	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F2922 - EPA 3050B											
Matrix Spike Dup (B1F2922-MSD1)			Source: 1102840-04			Prepared: 06/29/11		Analyzed: 06/30/11			
Silver	3.97	0.27	0.017	mg/kg dry	4.11	<0.27	96.7	75-125	1.19	20	
Batch B1G0603 - EPA 7471A											
Blank (B1G0603-BLK1)						Prepared: 07/06/11		Analyzed: 07/07/11			
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0603-BS1)						Prepared: 07/06/11		Analyzed: 07/07/11			
Mercury	0.215	0.10	0.019	mg/kg wet	0.200		108	80-120			
LCS Dup (B1G0603-BSD1)						Prepared: 07/06/11		Analyzed: 07/07/11			
Mercury	0.213	0.10	0.019	mg/kg wet	0.200		106	80-120	0.935	20	
Matrix Spike (B1G0603-MS1)			Source: 1102876-01			Prepared: 07/06/11		Analyzed: 07/07/11			
Mercury	0.248	0.11	0.021	mg/kg dry	0.216	<0.11	101	75-125			
Matrix Spike Dup (B1G0603-MSD1)			Source: 1102876-01			Prepared: 07/06/11		Analyzed: 07/07/11			
Mercury	0.272	0.11	0.021	mg/kg dry	0.216	<0.11	112	75-125	9.16	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0514 - General Preparation											
Duplicate (B1G0514-DUP1)							Source: 1102879-06				Prepared: 07/05/11 Analyzed: 07/06/11
% Solids	85.0			%		85.0			0.00	20	
Duplicate (B1G0514-DUP2)							Source: 1102886-01				Prepared: 07/05/11 Analyzed: 07/06/11
% Solids	83.0			%		82.0			1.21	20	
Duplicate (B1G0514-DUP3)							Source: 1102919-02				Prepared: 07/05/11 Analyzed: 07/06/11
% Solids	96.0			%		96.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

Blank (B1G0630-BLK1)

Prepared: 07/06/11 Analyzed: 07/07/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

Blank (B1G0630-BLK1)

Prepared: 07/06/11 Analyzed: 07/07/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.66			mg/kg wet	6.67		69.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.33			mg/kg wet	6.67		65.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.19			mg/kg wet	6.67		62.9	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.32			mg/kg wet	6.67		64.8	48.9-100			
Surrogate: Phenol-d6	4.37			mg/kg wet	6.67		65.5	50.4-99.6			
Surrogate: Terphenyl-d14	6.22			mg/kg wet	6.67		93.3	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00-48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102876
 Date Reported: 07/18/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

LCS (B1G0630-BS1)

Prepared: 07/06/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.35	0.33	0.031	mg/kg wet	6.67		65.3	59.1-87.7			
1,4-Dichlorobenzene	3.96	0.33	0.029	mg/kg wet	6.67		59.4	50.3-72.9			
2,4-Dinitrotoluene	4.76	0.33	0.035	mg/kg wet	6.67		71.3	59.8-82.2			
2-Chlorophenol	4.77	0.67	0.060	mg/kg wet	6.67		71.6	59.7-77.3			
4-Chloro-3-methylphenol	4.98	0.67	0.066	mg/kg wet	6.67		74.7	63.6-80.4			
4-Nitrophenol	5.00	0.67	0.093	mg/kg wet	6.67		75.0	57.3-84.9			
Anthracene	5.08	0.33	0.036	mg/kg wet	6.67		76.2	67.3-88			
Benzo(a)anthracene	5.41	0.33	0.041	mg/kg wet	6.67		81.2	66.5-90.5			
Benzo(a)pyrene	5.81	0.33	0.042	mg/kg wet	6.67		87.1	66.1-89.7			
Chrysene	5.40	0.33	0.044	mg/kg wet	6.67		81.0	65.5-90.5			
Fluoranthene	5.05	0.33	0.039	mg/kg wet	6.67		75.8	66.7-89.9			
Fluorene	4.60	0.33	0.035	mg/kg wet	6.67		69.1	66.2-85.6			
N-Nitrosodi-n-propylamine	4.63	0.33	0.033	mg/kg wet	6.67		69.5	59.4-78			
Pentachlorophenol	5.48	0.67	0.078	mg/kg wet	6.67		82.1	46.7-83.2			
Phenanthrene	5.19	0.33	0.036	mg/kg wet	6.67		77.8	67.5-87.9			
Phenol	4.19	0.67	0.069	mg/kg wet	6.67		62.8	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.64			mg/kg wet	6.67		84.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.27			mg/kg wet	6.67		64.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.18			mg/kg wet	6.67		62.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.50			mg/kg wet	6.67		67.5	48.9-100			
Surrogate: Phenol-d6	4.62			mg/kg wet	6.67		69.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.94			mg/kg wet	6.67		74.1	51-99.6			

Matrix Spike (B1G0630-MS1)

Source: 1102869-10

Prepared: 07/06/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.00	0.34	0.032	mg/kg dry	6.96	<0.34	57.5	44.8-97.9			
1,4-Dichlorobenzene	3.60	0.34	0.030	mg/kg dry	6.96	<0.34	51.8	42.3-77.9			
2,4-Dinitrotoluene	4.38	0.34	0.036	mg/kg dry	6.96	<0.34	63.0	57.3-86.6			
2-Chlorophenol	3.92	0.69	0.062	mg/kg dry	6.96	<0.69	56.4	43.3-93.2			
4-Chloro-3-methylphenol	4.13	0.69	0.068	mg/kg dry	6.96	<0.69	59.4	47.1-97.6			
4-Nitrophenol	4.10	0.69	0.096	mg/kg dry	6.96	<0.69	59.0	49.3-96.2			
Anthracene	4.79	0.34	0.037	mg/kg dry	6.96	<0.34	67.5	67.5-93.1			
Benzo(a)anthracene	5.20	0.34	0.042	mg/kg dry	6.96	<0.34	74.8	59.8-95.7			
Benzo(a)pyrene	5.17	0.34	0.043	mg/kg dry	6.96	<0.34	74.3	59.8-92.7			
Chrysene	5.14	0.34	0.045	mg/kg dry	6.96	<0.34	73.8	62.5-94.6			
Fluoranthene	4.88	0.34	0.040	mg/kg dry	6.96	<0.34	67.5	61.3-92.8			
Fluorene	4.31	0.34	0.036	mg/kg dry	6.96	<0.34	62.0	62.8-92.6			M2
N-Nitrosodi-n-propylamine	4.28	0.34	0.034	mg/kg dry	6.96	<0.34	61.6	46.9-89.9			
Pentachlorophenol	4.44	0.69	0.080	mg/kg dry	6.96	<0.69	63.8	40.1-95.1			
Phenanthrene	4.95	0.34	0.037	mg/kg dry	6.96	<0.34	67.2	65.2-92.2			
Phenol	3.49	0.69	0.071	mg/kg dry	6.96	<0.69	50.1	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

Matrix Spike (B1G0630-MS1)

Source: 1102869-10

Prepared: 07/06/11

Analyzed: 07/08/11

Surrogate: 2,4,6-Tribromophenol	5.33			mg/kg dry	6.96		76.7	53-107			
Surrogate: 2-Fluorobiphenyl	3.96			mg/kg dry	6.96		57.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.88			mg/kg dry	6.96		55.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.17			mg/kg dry	6.96		60.0	48.9-100			
Surrogate: Phenol-d6	4.30			mg/kg dry	6.96		61.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.57			mg/kg dry	6.96		65.7	51-99.6			

Matrix Spike Dup (B1G0630-MSD1)

Source: 1102869-10

Prepared: 07/06/11

Analyzed: 07/08/11

1,2,4-Trichlorobenzene	3.66	0.34	0.032	mg/kg dry	6.95	<0.34	52.6	44.8-97.9	8.87	19.6	
1,4-Dichlorobenzene	3.29	0.34	0.030	mg/kg dry	6.95	<0.34	47.3	42.3-77.9	9.20	22.4	
2,4-Dinitrotoluene	4.39	0.34	0.036	mg/kg dry	6.95	<0.34	63.1	57.3-86.6	0.221	19.5	
2-Chlorophenol	3.56	0.69	0.062	mg/kg dry	6.95	<0.69	51.3	43.3-93.2	9.64	23.7	
4-Chloro-3-methylphenol	3.96	0.69	0.068	mg/kg dry	6.95	<0.69	56.9	47.1-97.6	4.35	18.3	
4-Nitrophenol	4.18	0.69	0.096	mg/kg dry	6.95	<0.69	60.1	49.3-96.2	1.74	20.4	
Anthracene	4.78	0.34	0.037	mg/kg dry	6.95	<0.34	67.4	67.5-93.1	0.114	19.9	M2
Benzo(a)anthracene	5.13	0.34	0.042	mg/kg dry	6.95	<0.34	73.8	59.8-95.7	1.35	23.4	
Benzo(a)pyrene	5.06	0.34	0.043	mg/kg dry	6.95	<0.34	72.8	59.8-92.7	2.18	21.1	
Chrysene	5.09	0.34	0.045	mg/kg dry	6.95	<0.34	73.3	62.5-94.6	0.834	24.8	
Fluoranthene	4.82	0.34	0.040	mg/kg dry	6.95	<0.34	66.7	61.3-92.8	1.28	21.8	
Fluorene	4.24	0.34	0.036	mg/kg dry	6.95	<0.34	61.0	62.8-92.6	1.56	17.6	M2
N-Nitrosodi-n-propylamine	3.96	0.34	0.034	mg/kg dry	6.95	<0.34	56.9	46.9-89.9	7.94	18.9	
Pentachlorophenol	4.51	0.69	0.080	mg/kg dry	6.95	<0.69	64.8	40.1-95.1	1.63	19.7	
Phenanthrene	4.85	0.34	0.037	mg/kg dry	6.95	<0.34	65.9	65.2-92.2	1.88	20.5	
Phenol	3.21	0.69	0.071	mg/kg dry	6.95	<0.69	46.1	44.7-91	8.30	17.9	
Surrogate: 2,4,6-Tribromophenol	5.24			mg/kg dry	6.95		75.4	53-107			
Surrogate: 2-Fluorobiphenyl	3.73			mg/kg dry	6.95		53.6	53.9-97.9			S-GC
Surrogate: 2-Fluorophenol	3.47			mg/kg dry	6.95		50.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.83			mg/kg dry	6.95		55.1	48.9-100			
Surrogate: Phenol-d6	3.93			mg/kg dry	6.95		56.5	50.4-99.6			
Surrogate: Terphenyl-d14	4.58			mg/kg dry	6.95		65.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102876 Date Reported: 07/18/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0810 - General Prep											
Duplicate (B1G0810-DUP1)		Source: 1102864-01				Prepared & Analyzed: 07/08/11					
Flashpoint	>140			°F		0.00				5	
Reference (B1G0810-SRM1)											
Reference (B1G0810-SRM1)						Prepared & Analyzed: 07/08/11					
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00-48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102876
Date Reported: 07/18/11

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

1102876

Project Number: 2319-1092.00-48 RI SID

Project Name: Umore East - Row Centre

Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 34315

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Collection Time (hh:mm)	Total Number of Containers
						Water	Soil	Comp.		
1. 2296-TT1	0.5	0.5	ft	06/21/01	0800	X	X	X		4
2. RR-D6-TT1	0.5	0.5	ft		0830	X	X	X		3
3. RR-R5-TT1	0.5	0.5	ft		0900	X	X	X		3
4. DS-TA	0.5	0.5	ft		0935	X	X	X		3
5.										
6.										
7.										
8.										
9.										
10.										

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: *[Signature]*
 Relinquished By: *[Signature]*
 Samples Shipped VIA: Air Freight Federal Express Sampler Other:

On Ice? Y N
 Date: 6/27/01
 Time: 14:00

Received by: *[Signature]*
 Date: 6/27/01
 Time: 15:53

Air Bill Number: _____
 Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator
 3.7c RR

HR:RLG:STD FORM 100 Chain of Custody Form 2009 RLG Rev 09/01/09



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

August 11, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102879
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 06/28/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of the original report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "D. Brezina", written over a horizontal line.

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
10SD-TT1_0.5-0.5	1102879-01	Soil	06/27/11 12:30	06/28/11 10:55
10SD-TT2_0.5-0.5	1102879-02	Soil	06/27/11 13:00	06/28/11 10:55
10SD-TT3_0.5-0.5	1102879-03	Soil	06/27/11 13:30	06/28/11 10:55
10SD-TT4_0.5-0.5	1102879-04	Soil	06/27/11 14:00	06/28/11 10:55
10SD-TT5_0.5-0.5	1102879-05	Soil	06/27/11 14:30	06/28/11 10:55
10SD-TT6_0.5-0.5	1102879-06	Soil	06/27/11 15:00	06/28/11 10:55
10SD-TT7_0.5-0.5	1102879-07	Soil	06/27/11 15:30	06/28/11 10:55
10SD-TT8_0.5-0.5	1102879-08	Soil	06/27/11 16:00	06/28/11 10:55
10SD-TT9_0.5-0.5	1102879-09	Soil	06/27/11 16:30	06/28/11 10:55
Trip Blank	1102879-10	Methanol	06/27/11 00:00	06/28/11 10:55

Shipping Container Information

Default Cooler

Temperature (°C):

Received on ice: Yes
 Received on melt water: No
 Custody seals: Yes

Temperature blank was present
 Ambient: No

Received on ice pack: No
 Acceptable (IH/ISO only): No

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Recoveries for 8270 matrix spike compounds fluorene in the batch B1G0630 MS/MSD and anthracene in the MSD were below laboratory limits. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS.

Recovery for the 8270 surrogate 2-fluorobiphenyl was below laboratory limits in the MSD.

Methylene chloride was detected in the method blank between the MDL and RL for 8260 batch B1F3019. Samples with methylene chloride detections less than or equal to 10 times the blank contamination are qualified.

Recovery for lead in the MS sample for batch B1H1104 was outside of the laboratory control limits due to the analyte concentration being disproportionate to the spike level. The LCS/LCSD samples and the LCS/LCSD and MS/MSD %RPDs were within limits. The MS/MSD source sample was 10SD-TT3_0.5-0.5.

At the client's request, this report was revised on August 11, 2011 to include TCLP lead analysis for sample 10SD-TT3_0.5-0.5.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT1_0.5-0.5 (1102879-01) Soil Sampled: 06/27/11 12:30 Received: 06/28/11 10:55										
Arsenic	5.6	0.60	0.066	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	110	1.2	0.072	mg/kg dry	1	"	"	"	"	
Cadmium	0.45	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	16	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	60	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	0.69	0.30	0.019	mg/kg dry	1	"	"	"	"	
10SD-TT2_0.5-0.5 (1102879-02) Soil Sampled: 06/27/11 13:00 Received: 06/28/11 10:55										
Arsenic	3.4	0.56	0.061	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	45	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	12	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.5	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
10SD-TT3_0.5-0.5 (1102879-03) Soil Sampled: 06/27/11 13:30 Received: 06/28/11 10:55										
Arsenic	3.6	0.54	0.060	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	240	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	1.0	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	12	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	4500	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.099	0.099	0.019	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
10SD-TT4_0.5-0.5 (1102879-04) Soil Sampled: 06/27/11 14:00 Received: 06/28/11 10:55										
Arsenic	3.7	0.53	0.058	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	120	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	0.27	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	17	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	6.0	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
10SD-TT5_0.5-0.5 (1102879-05) Soil Sampled: 06/27/11 14:30 Received: 06/28/11 10:55										

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT5_0.5-0.5 (1102879-05) Soil Sampled: 06/27/11 14:30 Received: 06/28/11 10:55										
Arsenic	5.3	0.54	0.060	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	72	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	15	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.4	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
10SD-TT6_0.5-0.5 (1102879-06) Soil Sampled: 06/27/11 15:00 Received: 06/28/11 10:55										
Arsenic	4.9	0.56	0.061	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	62	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	18	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	14	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
10SD-TT7_0.5-0.5 (1102879-07) Soil Sampled: 06/27/11 15:30 Received: 06/28/11 10:55										
Arsenic	6.3	0.62	0.069	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	100	1.2	0.075	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	16	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	12	1.2	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.024	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
10SD-TT8_0.5-0.5 (1102879-08) Soil Sampled: 06/27/11 16:00 Received: 06/28/11 10:55										
Arsenic	5.6	0.59	0.065	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	110	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	18	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	18	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
10SD-TT9_0.5-0.5 (1102879-09) Soil Sampled: 06/27/11 16:30 Received: 06/28/11 10:55										
Arsenic	4.7	0.61	0.067	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	

Barr Engineering Co.
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 Minneapolis, MN 55435

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 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102879
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT9_0.5-0.5 (1102879-09) Soil Sampled: 06/27/11 16:30 Received: 06/28/11 10:55										
Barium	120	1.2	0.073	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	17	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	1300	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0104	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT1_0.5-0.5 (1102879-01) Soil Sampled: 06/27/11 12:30 Received: 06/28/11 10:55										
% Solids	79			%	1	B1G0514	07/05/11	07/06/11	% calculation	
10SD-TT2_0.5-0.5 (1102879-02) Soil Sampled: 06/27/11 13:00 Received: 06/28/11 10:55										
% Solids	90			%	1	B1G0514	07/05/11	07/06/11	% calculation	
10SD-TT3_0.5-0.5 (1102879-03) Soil Sampled: 06/27/11 13:30 Received: 06/28/11 10:55										
% Solids	92			%	1	B1G0514	07/05/11	07/06/11	% calculation	
10SD-TT4_0.5-0.5 (1102879-04) Soil Sampled: 06/27/11 14:00 Received: 06/28/11 10:55										
% Solids	90			%	1	B1G0514	07/05/11	07/06/11	% calculation	
10SD-TT5_0.5-0.5 (1102879-05) Soil Sampled: 06/27/11 14:30 Received: 06/28/11 10:55										
% Solids	87			%	1	B1G0514	07/05/11	07/06/11	% calculation	
10SD-TT6_0.5-0.5 (1102879-06) Soil Sampled: 06/27/11 15:00 Received: 06/28/11 10:55										
% Solids	85			%	1	B1G0514	07/05/11	07/06/11	% calculation	
10SD-TT7_0.5-0.5 (1102879-07) Soil Sampled: 06/27/11 15:30 Received: 06/28/11 10:55										
% Solids	80			%	1	B1G0514	07/05/11	07/06/11	% calculation	
10SD-TT8_0.5-0.5 (1102879-08) Soil Sampled: 06/27/11 16:00 Received: 06/28/11 10:55										
% Solids	85			%	1	B1G0514	07/05/11	07/06/11	% calculation	
10SD-TT9_0.5-0.5 (1102879-09) Soil Sampled: 06/27/11 16:30 Received: 06/28/11 10:55										
% Solids	82			%	1	B1G0514	07/05/11	07/06/11	% calculation	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT1_0.5-0.5 (1102879-01) Soil Sampled: 06/27/11 12:30 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
1,2-Dichlorobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.047	0.85	0.047	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.095	0.85	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.076	0.85	0.076	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.85	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.42	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.084	0.85	0.084	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.85	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.85	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.2	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT1_0.5-0.5 (1102879-01) Soil Sampled: 06/27/11 12:30 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.061	0.42	0.061	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
Benzoic acid	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.051	0.42	0.051	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.42	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.033	0.42	0.033	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Phenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
Pyrene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	75.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	96.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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10SD-TT2_0.5-0.5 (1102879-02) Soil Sampled: 06/27/11 13:00 Received: 06/28/11 10:55

1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G0630	07/06/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT2_0.5-0.5 (1102879-02) Soil Sampled: 06/27/11 13:00 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1G0630	07/06/11	07/08/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	74.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	77.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	74.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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10SD-TT3_0.5-0.5 (1102879-03) Soil Sampled: 06/27/11 13:30 Received: 06/28/11 10:55

1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	



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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT3_0.5-0.5 (1102879-03) Soil Sampled: 06/27/11 13:30 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	66.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	93.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT4_0.5-0.5 (1102879-04) Soil Sampled: 06/27/11 14:00 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT4_0.5-0.5 (1102879-04) Soil Sampled: 06/27/11 14:00 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	66.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	80.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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10SD-TT5_0.5-0.5 (1102879-05) Soil **Sampled: 06/27/11 14:30** **Received: 06/28/11 10:55**

1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	



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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT5_0.5-0.5 (1102879-05) Soil Sampled: 06/27/11 14:30 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.046	0.38	0.046	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	79.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	78.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	98.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT6_0.5-0.5 (1102879-06) Soil Sampled: 06/27/11 15:00 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT6_0.5-0.5 (1102879-06) Soil Sampled: 06/27/11 15:00 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	91.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT7_0.5-0.5 (1102879-07) Soil Sampled: 06/27/11 15:30 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.84	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.094	0.84	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.075	0.84	0.075	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.84	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.082	0.84	0.082	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.84	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.84	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.1	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT7_0.5-0.5 (1102879-07) Soil Sampled: 06/27/11 15:30 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.060	0.41	0.060	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.050	0.41	0.050	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Phenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	94.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT8_0.5-0.5 (1102879-08) Soil Sampled: 06/27/11 16:00 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT8_0.5-0.5 (1102879-08) Soil Sampled: 06/27/11 16:00 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1G0630	07/06/11	07/07/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	70.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	66.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	79.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT9_0.5-0.5 (1102879-09) Soil Sampled: 06/27/11 16:30 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	B1G0630	07/06/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.82	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.091	0.82	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.073	0.82	0.073	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	2.0	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.82	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.82	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.82	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT9_0.5-0.5 (1102879-09) Soil Sampled: 06/27/11 16:30 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.059	0.40	0.059	mg/kg dry	1	B1G0630	07/06/11	07/08/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
Pyrene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	82.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	94.8			51-99.6 %		"	"	"	"	



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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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TCLP METALS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT3_0.5-0.5 (1102879-03) Soil Sampled: 06/27/11 13:30 Received: 06/28/11 10:55										
Lead	200	0.015	0.0034	mg/L	1	B1H1104	08/11/11	08/11/11	EPA 1311/6010B	M3

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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10SD-TT1_0.5-0.5 (1102879-01) Soil **Sampled: 06/27/11 12:30** **Received: 06/28/11 10:55**

1,1,1,2-Tetrachloroethane	<0.090	0.38	0.090	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1,1-Trichloroethane	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.052	0.38	0.052	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.10	0.38	0.10	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.032	0.38	0.032	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.093	0.76	0.093	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.037	0.38	0.037	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.041	0.76	0.041	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.13	3.0	0.13	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.021	0.38	0.021	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.032	0.38	0.032	mg/kg dry	1	"	"	"	"	
Acetone	<0.29	3.0	0.29	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.088	0.76	0.088	mg/kg dry	1	"	"	"	"	
Benzene	<0.023	0.38	0.023	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bromoform	<0.041	0.76	0.041	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.17	0.76	0.17	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.052	0.38	0.052	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.029	0.38	0.029	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Chloroform	<0.032	0.38	0.032	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.093	0.38	0.093	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT1_0.5-0.5 (1102879-01) Soil Sampled: 06/27/11 12:30 Received: 06/28/11 10:55										
cis-1,3-Dichloropropene	<0.034	0.38	0.034	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
Dibromochloromethane	<0.052	0.38	0.052	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.15	0.76	0.15	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.058	0.38	0.058	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.058	0.76	0.058	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.017	0.38	0.017	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.11	1.5	0.11	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.029	0.38	0.029	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.072	0.76	0.072	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.12	0.76	0.12	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.024	0.38	0.024	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.52	1.5	0.088	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.084	0.76	0.084	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.032	0.38	0.032	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.021	0.38	0.021	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
Styrene	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.18	3.0	0.18	mg/kg dry	1	"	"	"	"	
Toluene	<0.024	0.38	0.024	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.046	0.38	0.046	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.062	0.38	0.062	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.053	0.38	0.053	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.099	0.38	0.099	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.0			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	89.6			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	88.2			78.1-125 %		"	"	"	"	

10SD-TT2_0.5-0.5 (1102879-02) Soil Sampled: 06/27/11 13:00 Received: 06/28/11 10:55										
1,1,1,2-Tetrachloroethane	<0.066	0.28	0.066	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1,1-Trichloroethane	<0.036	0.28	0.036	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.076	0.28	0.076	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	



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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT2_0.5-0.5 (1102879-02) Soil Sampled: 06/27/11 13:00 Received: 06/28/11 10:55										
1,1-Dichloroethene	<0.028	0.28	0.028	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1-Dichloropropene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.068	0.56	0.068	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.027	0.28	0.027	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.030	0.56	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.077	0.56	0.077	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.034	0.28	0.034	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.067	0.56	0.067	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.098	2.2	0.098	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
Acetone	<0.21	2.2	0.21	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.064	0.56	0.064	mg/kg dry	1	"	"	"	"	
Benzene	<0.017	0.28	0.017	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.041	0.28	0.041	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromoform	<0.030	0.56	0.030	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.56	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.041	0.28	0.041	mg/kg dry	1	"	"	"	"	
Chloroform	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.068	0.28	0.068	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.032	0.28	0.032	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.11	0.56	0.11	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.042	0.28	0.042	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.042	0.56	0.042	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT2_0.5-0.5 (1102879-02) Soil Sampled: 06/27/11 13:00 Received: 06/28/11 10:55										
Ethylbenzene	<0.012	0.28	0.012	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
Hexachlorobutadiene	<0.077	1.1	0.077	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.052	0.56	0.052	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.091	0.56	0.091	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.36	1.1	0.064	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.061	0.56	0.061	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
Styrene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.031	0.28	0.031	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.13	2.2	0.13	mg/kg dry	1	"	"	"	"	
Toluene	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.033	0.28	0.033	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.046	0.28	0.046	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.039	0.28	0.039	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.072	0.28	0.072	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.1			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	89.5			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.2			78.1-125 %		"	"	"	"	

10SD-TT3_0.5-0.5 (1102879-03) Soil Sampled: 06/27/11 13:30 Received: 06/28/11 10:55										
1,1,1,2-Tetrachloroethane	<0.064	0.27	0.064	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1,1-Trichloroethane	<0.035	0.27	0.035	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.028	0.27	0.028	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.037	0.27	0.037	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.074	0.27	0.074	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.025	0.27	0.025	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.027	0.27	0.027	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.066	0.54	0.066	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.026	0.27	0.026	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.029	0.54	0.029	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.020	0.27	0.020	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT3_0.5-0.5 (1102879-03) Soil Sampled: 06/27/11 13:30 Received: 06/28/11 10:55										
1,2-Dibromo-3-chloropropane	<0.075	0.54	0.075	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.024	0.27	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.022	0.27	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.034	0.27	0.034	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.022	0.27	0.022	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.028	0.27	0.028	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.024	0.27	0.024	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.018	0.27	0.018	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.065	0.54	0.065	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.096	2.2	0.096	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.015	0.27	0.015	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
Acetone	<0.21	2.2	0.21	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.063	0.54	0.063	mg/kg dry	1	"	"	"	"	
Benzene	<0.016	0.27	0.016	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.040	0.27	0.040	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	
Bromoform	<0.029	0.54	0.029	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.54	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.037	0.27	0.037	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.021	0.27	0.021	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.040	0.27	0.040	mg/kg dry	1	"	"	"	"	
Chloroform	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.066	0.27	0.066	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.028	0.27	0.028	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.024	0.27	0.024	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.037	0.27	0.037	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.032	0.27	0.032	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.11	0.54	0.11	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.041	0.27	0.041	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.041	0.54	0.041	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.012	0.27	0.012	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.075	1.1	0.075	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.021	0.27	0.021	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.051	0.54	0.051	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.089	0.54	0.089	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.017	0.27	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT3_0.5-0.5 (1102879-03) Soil Sampled: 06/27/11 13:30 Received: 06/28/11 10:55										
Methylene chloride	0.42	1.1	0.063	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	B-01, J
Naphthalene	<0.060	0.54	0.060	mg/kg dry	1	"	"	"	"	"
n-Butylbenzene	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	"
n-Propylbenzene	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	"
o-Xylene	<0.027	0.27	0.027	mg/kg dry	1	"	"	"	"	"
p-Isopropyltoluene	<0.015	0.27	0.015	mg/kg dry	1	"	"	"	"	"
sec-Butylbenzene	<0.018	0.27	0.018	mg/kg dry	1	"	"	"	"	"
Styrene	<0.022	0.27	0.022	mg/kg dry	1	"	"	"	"	"
tert-Butylbenzene	<0.020	0.27	0.020	mg/kg dry	1	"	"	"	"	"
Tetrachloroethene	<0.030	0.27	0.030	mg/kg dry	1	"	"	"	"	"
Tetrahydrofuran	<0.13	2.2	0.13	mg/kg dry	1	"	"	"	"	"
Toluene	<0.017	0.27	0.017	mg/kg dry	1	"	"	"	"	"
trans-1,2-Dichloroethene	<0.033	0.27	0.033	mg/kg dry	1	"	"	"	"	"
trans-1,3-Dichloropropene	<0.025	0.27	0.025	mg/kg dry	1	"	"	"	"	"
Trichloroethene	<0.045	0.27	0.045	mg/kg dry	1	"	"	"	"	"
Trichlorofluoromethane	<0.038	0.27	0.038	mg/kg dry	1	"	"	"	"	"
Vinyl chloride	<0.071	0.27	0.071	mg/kg dry	1	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	92.7			80-124 %		"	"	"	"	"
Surrogate: Dibromofluoromethane	92.0			77.1-123 %		"	"	"	"	"
Surrogate: Toluene-d8	90.1			78.1-125 %		"	"	"	"	"

10SD-TT4_0.5-0.5 (1102879-04) Soil Sampled: 06/27/11 14:00 Received: 06/28/11 10:55										
1,1,1,2-Tetrachloroethane	<0.066	0.28	0.066	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1,1-Trichloroethane	<0.036	0.28	0.036	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.076	0.28	0.076	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.068	0.56	0.068	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.027	0.28	0.027	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.030	0.56	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.077	0.56	0.077	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.034	0.28	0.034	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT4_0.5-0.5 (1102879-04) Soil Sampled: 06/27/11 14:00 Received: 06/28/11 10:55										
1,3-Dichlorobenzene	<0.029	0.28	0.029	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,3-Dichloropropane	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.067	0.56	0.067	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.098	2.2	0.098	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
Acetone	<0.21	2.2	0.21	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.064	0.56	0.064	mg/kg dry	1	"	"	"	"	
Benzene	<0.017	0.28	0.017	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.041	0.28	0.041	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromoform	<0.030	0.56	0.030	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.56	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.041	0.28	0.041	mg/kg dry	1	"	"	"	"	
Chloroform	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.068	0.28	0.068	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.032	0.28	0.032	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.11	0.56	0.11	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.042	0.28	0.042	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.042	0.56	0.042	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.012	0.28	0.012	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.077	1.1	0.077	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.052	0.56	0.052	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.091	0.56	0.091	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.43	1.1	0.064	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.061	0.56	0.061	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT4_0.5-0.5 (1102879-04) Soil Sampled: 06/27/11 14:00 Received: 06/28/11 10:55										
sec-Butylbenzene	<0.019	0.28	0.019	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
Styrene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.031	0.28	0.031	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.13	2.2	0.13	mg/kg dry	1	"	"	"	"	
Toluene	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.033	0.28	0.033	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.046	0.28	0.046	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.039	0.28	0.039	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.072	0.28	0.072	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.9			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	91.3			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	88.8			78.1-125 %		"	"	"	"	

10SD-TT5_0.5-0.5 (1102879-05) Soil Sampled: 06/27/11 14:30 Received: 06/28/11 10:55										
1,1,1,2-Tetrachloroethane	<0.068	0.29	0.068	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1,1-Trichloroethane	<0.037	0.29	0.037	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.030	0.29	0.030	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.039	0.29	0.039	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.078	0.29	0.078	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.026	0.29	0.026	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.029	0.29	0.029	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.024	0.29	0.024	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.070	0.57	0.070	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.028	0.29	0.028	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.031	0.57	0.031	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.021	0.29	0.021	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.079	0.57	0.079	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.025	0.29	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.023	0.29	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.031	0.29	0.031	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.036	0.29	0.036	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.023	0.29	0.023	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.030	0.29	0.030	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.025	0.29	0.025	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.020	0.29	0.020	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.069	0.57	0.069	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.10	2.3	0.10	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.016	0.29	0.016	mg/kg dry	1	"	"	"	"	



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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT5_0.5-0.5 (1102879-05) Soil Sampled: 06/27/11 14:30 Received: 06/28/11 10:55										
4-Chlorotoluene	<0.024	0.29	0.024	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
Acetone	<0.22	2.3	0.22	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.067	0.57	0.067	mg/kg dry	1	"	"	"	"	
Benzene	<0.017	0.29	0.017	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.031	0.29	0.031	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.043	0.29	0.043	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.031	0.29	0.031	mg/kg dry	1	"	"	"	"	
Bromoform	<0.031	0.57	0.031	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.13	0.57	0.13	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.039	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.022	0.29	0.022	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.043	0.29	0.043	mg/kg dry	1	"	"	"	"	
Chloroform	<0.024	0.29	0.024	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.070	0.29	0.070	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.030	0.29	0.030	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.025	0.29	0.025	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.039	0.29	0.039	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.033	0.29	0.033	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.11	0.57	0.11	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.044	0.29	0.044	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.044	0.57	0.044	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.013	0.29	0.013	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.079	1.1	0.079	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.022	0.29	0.022	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.054	0.57	0.054	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.094	0.57	0.094	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.018	0.29	0.018	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.54	1.1	0.067	mg/kg dry	1	"	"	"	"	J, B-01
Naphthalene	<0.063	0.57	0.063	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.031	0.29	0.031	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.024	0.29	0.024	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.029	0.29	0.029	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.016	0.29	0.016	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.020	0.29	0.020	mg/kg dry	1	"	"	"	"	
Styrene	<0.023	0.29	0.023	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.021	0.29	0.021	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.032	0.29	0.032	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.14	2.3	0.14	mg/kg dry	1	"	"	"	"	
Toluene	<0.018	0.29	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT5_0.5-0.5 (1102879-05) Soil Sampled: 06/27/11 14:30 Received: 06/28/11 10:55										
trans-1,2-Dichloroethene	<0.034	0.29	0.034	mg/kg dry	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
trans-1,3-Dichloropropene	<0.026	0.29	0.026	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.047	0.29	0.047	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.040	0.29	0.040	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.075	0.29	0.075	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.0			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	88.7			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	87.5			78.1-125 %		"	"	"	"	

Trip Blank (1102879-10) Methanol Sampled: 06/27/11 00:00 Received: 06/28/11 10:55										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1102879-10) Methanol Sampled: 06/27/11 00:00 Received: 06/28/11 10:55										
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	B1F3019	06/30/11	06/30/11	EPA 8260B	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	0.31	1.0	0.058	mg/kg wet	1	"	"	"	"	J, B-01
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	90.4			80-124 %		"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1102879-10) Methanol Sampled: 06/27/11 00:00 Received: 06/28/11 10:55										
Surrogate: Dibromofluoromethane	90.9			77.1-123 %		B1F3019	06/30/11	06/30/11	EPA 8260B	
Surrogate: Toluene-d8	90.1			78.1-125 %		"	"	"	"	

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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT6_0.5-0.5 (1102879-06) Soil Sampled: 06/27/11 15:00 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G0901	07/09/11	07/09/11	EPA 1010A/ASTM D93(M)	
10SD-TT7_0.5-0.5 (1102879-07) Soil Sampled: 06/27/11 15:30 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G0901	07/09/11	07/09/11	EPA 1010A/ASTM D93(M)	
10SD-TT8_0.5-0.5 (1102879-08) Soil Sampled: 06/27/11 16:00 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G0901	07/09/11	07/09/11	EPA 1010A/ASTM D93(M)	
10SD-TT9_0.5-0.5 (1102879-09) Soil Sampled: 06/27/11 16:30 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G0901	07/09/11	07/09/11	EPA 1010A/ASTM D93(M)	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0104 - EPA 7471A											
Blank (B1G0104-BLK1)						Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0104-BS1)						Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.235	0.10	0.019	mg/kg wet	0.200		118	80-120			
LCS Dup (B1G0104-BSD1)						Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.218	0.10	0.019	mg/kg wet	0.200		109	80-120	7.51	20	
Matrix Spike (B1G0104-MS1)						Source: 1102864-01 Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.252	0.10	0.020	mg/kg dry	0.207	<0.10	109	75-125			
Matrix Spike Dup (B1G0104-MSD1)						Source: 1102864-01 Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.258	0.11	0.020	mg/kg dry	0.213	<0.11	109	75-125	2.17	20	
Batch B1G0112 - EPA 3050B											
Blank (B1G0112-BLK1)						Prepared: 07/01/11 Analyzed: 07/05/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0112-BS1)						Prepared: 07/01/11 Analyzed: 07/05/11					
Arsenic	41.3	0.50	0.055	mg/kg wet	39.9		104	80-120			
Barium	40.5	1.0	0.060	mg/kg wet	39.9		101	80-120			
Cadmium	40.0	0.25	0.033	mg/kg wet	39.9		100	80-120			
Chromium	41.0	0.50	0.012	mg/kg wet	39.9		103	80-120			
Lead	41.6	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	41.1	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.03	0.25	0.016	mg/kg wet	3.99		101	80-120			
LCS Dup (B1G0112-BSD1)						Prepared: 07/01/11 Analyzed: 07/05/11					
Arsenic	42.9	0.50	0.055	mg/kg wet	39.9		108	80-120	3.80	20	
Barium	42.4	1.0	0.060	mg/kg wet	39.9		106	80-120	4.61	20	
Cadmium	41.6	0.25	0.033	mg/kg wet	39.9		104	80-120	4.02	20	
Chromium	42.8	0.50	0.012	mg/kg wet	39.9		107	80-120	4.12	20	
Lead	43.3	1.0	0.14	mg/kg wet	39.9		109	80-120	4.02	20	
Selenium	42.9	1.0	0.095	mg/kg wet	39.9		108	80-120	4.28	20	
Silver	4.18	0.25	0.016	mg/kg wet	3.99		105	80-120	3.74	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0112 - EPA 3050B											
Matrix Spike (B1G0112-MS1)		Source: 1102869-01			Prepared: 07/01/11		Analyzed: 07/05/11				
Arsenic	45.6	0.53	0.058	mg/kg dry	41.0	1.77	107	75-125			
Barium	62.3	1.1	0.063	mg/kg dry	41.0	17.2	110	75-125			
Cadmium	42.7	0.26	0.035	mg/kg dry	41.0	<0.26	104	75-125			
Chromium	46.7	0.53	0.013	mg/kg dry	41.0	5.68	100	75-125			
Lead	43.3	1.1	0.15	mg/kg dry	41.0	2.15	100	75-125			
Selenium	43.7	1.1	0.10	mg/kg dry	41.0	<1.1	107	75-125			
Silver	4.13	0.26	0.017	mg/kg dry	4.10	<0.26	101	75-125			
Matrix Spike Dup (B1G0112-MSD1)											
Matrix Spike Dup (B1G0112-MSD1)		Source: 1102869-01			Prepared: 07/01/11		Analyzed: 07/05/11				
Arsenic	44.3	0.53	0.058	mg/kg dry	40.8	1.77	104	75-125	3.03	20	
Barium	58.5	1.1	0.063	mg/kg dry	40.8	17.2	101	75-125	6.31	20	
Cadmium	41.2	0.26	0.035	mg/kg dry	40.8	<0.26	101	75-125	3.52	20	
Chromium	45.4	0.53	0.013	mg/kg dry	40.8	5.68	97.3	75-125	2.91	20	
Lead	42.1	1.1	0.15	mg/kg dry	40.8	2.15	98.1	75-125	2.69	20	
Selenium	42.3	1.1	0.10	mg/kg dry	40.8	<1.1	104	75-125	3.25	20	
Silver	4.02	0.26	0.017	mg/kg dry	4.08	<0.26	98.6	75-125	2.73	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0514 - General Preparation											
Duplicate (B1G0514-DUP1)							Source: 1102879-06				Prepared: 07/05/11 Analyzed: 07/06/11
% Solids	85.0			%		85.0			0.00	20	
Duplicate (B1G0514-DUP2)							Source: 1102886-01				Prepared: 07/05/11 Analyzed: 07/06/11
% Solids	83.0			%		82.0			1.21	20	
Duplicate (B1G0514-DUP3)							Source: 1102919-02				Prepared: 07/05/11 Analyzed: 07/06/11
% Solids	96.0			%		96.0			0.00	20	

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

Blank (B1G0630-BLK1)

Prepared: 07/06/11 Analyzed: 07/07/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

Blank (B1G0630-BLK1)

Prepared: 07/06/11 Analyzed: 07/07/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.66			mg/kg wet	6.67		69.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.33			mg/kg wet	6.67		65.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.19			mg/kg wet	6.67		62.9	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.32			mg/kg wet	6.67		64.8	48.9-100			
Surrogate: Phenol-d6	4.37			mg/kg wet	6.67		65.5	50.4-99.6			
Surrogate: Terphenyl-d14	6.22			mg/kg wet	6.67		93.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

LCS (B1G0630-BS1)

Prepared: 07/06/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.35	0.33	0.031	mg/kg wet	6.67		65.3	59.1-87.7		20	
1,4-Dichlorobenzene	3.96	0.33	0.029	mg/kg wet	6.67		59.4	50.3-72.9		20	
2,4-Dinitrotoluene	4.76	0.33	0.035	mg/kg wet	6.67		71.3	59.8-82.2		20	
2-Chlorophenol	4.77	0.67	0.060	mg/kg wet	6.67		71.6	59.7-77.3		20	
4-Chloro-3-methylphenol	4.98	0.67	0.066	mg/kg wet	6.67		74.7	63.6-80.4		20	
4-Nitrophenol	5.00	0.67	0.093	mg/kg wet	6.67		75.0	57.3-84.9		20	
Anthracene	5.08	0.33	0.036	mg/kg wet	6.67		76.2	67.3-88		20	
Benzo(a)anthracene	5.41	0.33	0.041	mg/kg wet	6.67		81.2	66.5-90.5		20	
Benzo(a)pyrene	5.81	0.33	0.042	mg/kg wet	6.67		87.1	66.1-89.7		20	
Chrysene	5.40	0.33	0.044	mg/kg wet	6.67		81.0	65.5-90.5		20	
Fluoranthene	5.05	0.33	0.039	mg/kg wet	6.67		75.8	66.7-89.9		20	
Fluorene	4.60	0.33	0.035	mg/kg wet	6.67		69.1	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.63	0.33	0.033	mg/kg wet	6.67		69.5	59.4-78		20	
Pentachlorophenol	5.48	0.67	0.078	mg/kg wet	6.67		82.1	46.7-83.2		20	
Phenanthrene	5.19	0.33	0.036	mg/kg wet	6.67		77.8	67.5-87.9		20	
Phenol	4.19	0.67	0.069	mg/kg wet	6.67		62.8	59.5-76.6		20	
<i>Surrogate: 2,4,6-Tribromophenol</i>	5.64			mg/kg wet	6.67		84.6	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.27			mg/kg wet	6.67		64.1	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.18			mg/kg wet	6.67		62.6	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.50			mg/kg wet	6.67		67.5	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.62			mg/kg wet	6.67		69.3	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.94			mg/kg wet	6.67		74.1	51-99.6			

Matrix Spike (B1G0630-MS1)

Source: 1102869-10

Prepared: 07/06/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.00	0.34	0.032	mg/kg dry	6.96	<0.34	57.5	44.8-97.9		19.6	
1,4-Dichlorobenzene	3.60	0.34	0.030	mg/kg dry	6.96	<0.34	51.8	42.3-77.9		22.4	
2,4-Dinitrotoluene	4.38	0.34	0.036	mg/kg dry	6.96	<0.34	63.0	57.3-86.6		19.5	
2-Chlorophenol	3.92	0.69	0.062	mg/kg dry	6.96	<0.69	56.4	43.3-93.2		23.7	
4-Chloro-3-methylphenol	4.13	0.69	0.068	mg/kg dry	6.96	<0.69	59.4	47.1-97.6		18.3	
4-Nitrophenol	4.10	0.69	0.096	mg/kg dry	6.96	<0.69	59.0	49.3-96.2		20.4	
Anthracene	4.79	0.34	0.037	mg/kg dry	6.96	<0.34	67.5	67.5-93.1		19.9	
Benzo(a)anthracene	5.20	0.34	0.042	mg/kg dry	6.96	<0.34	74.8	59.8-95.7		23.4	
Benzo(a)pyrene	5.17	0.34	0.043	mg/kg dry	6.96	<0.34	74.3	59.8-92.7		21.1	
Chrysene	5.14	0.34	0.045	mg/kg dry	6.96	<0.34	73.8	62.5-94.6		24.8	
Fluoranthene	4.88	0.34	0.040	mg/kg dry	6.96	<0.34	67.5	61.3-92.8		21.8	
Fluorene	4.31	0.34	0.036	mg/kg dry	6.96	<0.34	62.0	62.8-92.6		17.6	M2
N-Nitrosodi-n-propylamine	4.28	0.34	0.034	mg/kg dry	6.96	<0.34	61.6	46.9-89.9		18.9	
Pentachlorophenol	4.44	0.69	0.080	mg/kg dry	6.96	<0.69	63.8	40.1-95.1		19.7	
Phenanthrene	4.95	0.34	0.037	mg/kg dry	6.96	<0.34	67.2	65.2-92.2		20.5	
Phenol	3.49	0.69	0.071	mg/kg dry	6.96	<0.69	50.1	44.7-91		17.9	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

Matrix Spike (B1G0630-MS1)	Source: 1102869-10		Prepared: 07/06/11		Analyzed: 07/08/11	
Surrogate: 2,4,6-Tribromophenol	5.33		mg/kg dry	6.96	76.7	53-107
Surrogate: 2-Fluorobiphenyl	3.96		mg/kg dry	6.96	57.0	53.9-97.9
Surrogate: 2-Fluorophenol	3.88		mg/kg dry	6.96	55.8	42.5-94.9
Surrogate: Nitrobenzene-d5	4.17		mg/kg dry	6.96	60.0	48.9-100
Surrogate: Phenol-d6	4.30		mg/kg dry	6.96	61.8	50.4-99.6
Surrogate: Terphenyl-d14	4.57		mg/kg dry	6.96	65.7	51-99.6

Matrix Spike Dup (B1G0630-MSD1)	Source: 1102869-10		Prepared: 07/06/11		Analyzed: 07/08/11	
1,2,4-Trichlorobenzene	3.66	0.34	0.032 mg/kg dry	6.95	<0.34	52.6 44.8-97.9 8.87 19.6
1,4-Dichlorobenzene	3.29	0.34	0.030 mg/kg dry	6.95	<0.34	47.3 42.3-77.9 9.20 22.4
2,4-Dinitrotoluene	4.39	0.34	0.036 mg/kg dry	6.95	<0.34	63.1 57.3-86.6 0.221 19.5
2-Chlorophenol	3.56	0.69	0.062 mg/kg dry	6.95	<0.69	51.3 43.3-93.2 9.64 23.7
4-Chloro-3-methylphenol	3.96	0.69	0.068 mg/kg dry	6.95	<0.69	56.9 47.1-97.6 4.35 18.3
4-Nitrophenol	4.18	0.69	0.096 mg/kg dry	6.95	<0.69	60.1 49.3-96.2 1.74 20.4
Anthracene	4.78	0.34	0.037 mg/kg dry	6.95	<0.34	67.4 67.5-93.1 0.114 19.9 M2
Benzo(a)anthracene	5.13	0.34	0.042 mg/kg dry	6.95	<0.34	73.8 59.8-95.7 1.35 23.4
Benzo(a)pyrene	5.06	0.34	0.043 mg/kg dry	6.95	<0.34	72.8 59.8-92.7 2.18 21.1
Chrysene	5.09	0.34	0.045 mg/kg dry	6.95	<0.34	73.3 62.5-94.6 0.834 24.8
Fluoranthene	4.82	0.34	0.040 mg/kg dry	6.95	<0.34	66.7 61.3-92.8 1.28 21.8
Fluorene	4.24	0.34	0.036 mg/kg dry	6.95	<0.34	61.0 62.8-92.6 1.56 17.6 M2
N-Nitrosodi-n-propylamine	3.96	0.34	0.034 mg/kg dry	6.95	<0.34	56.9 46.9-89.9 7.94 18.9
Pentachlorophenol	4.51	0.69	0.080 mg/kg dry	6.95	<0.69	64.8 40.1-95.1 1.63 19.7
Phenanthrene	4.85	0.34	0.037 mg/kg dry	6.95	<0.34	65.9 65.2-92.2 1.88 20.5
Phenol	3.21	0.69	0.071 mg/kg dry	6.95	<0.69	46.1 44.7-91 8.30 17.9
Surrogate: 2,4,6-Tribromophenol	5.24		mg/kg dry	6.95	75.4	53-107
Surrogate: 2-Fluorobiphenyl	3.73		mg/kg dry	6.95	53.6	53.9-97.9 S-GC
Surrogate: 2-Fluorophenol	3.47		mg/kg dry	6.95	50.0	42.5-94.9
Surrogate: Nitrobenzene-d5	3.83		mg/kg dry	6.95	55.1	48.9-100
Surrogate: Phenol-d6	3.93		mg/kg dry	6.95	56.5	50.4-99.6
Surrogate: Terphenyl-d14	4.58		mg/kg dry	6.95	65.9	51-99.6

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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TCLP METALS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1H1104 - EPA 200.7/3005A Digestion											
Blank (B1H1104-BLK1)											
						Prepared & Analyzed: 08/11/11					
Lead	< 0.015	0.015	0.0034	mg/L							
LCS (B1H1104-BS1)											
						Prepared & Analyzed: 08/11/11					
Lead	4.05	0.015	0.0034	mg/L	3.99		101	80-120			
LCS Dup (B1H1104-BSD1)											
						Prepared & Analyzed: 08/11/11					
Lead	4.05	0.015	0.0034	mg/L	3.99		102	80-120	0.0653	20	
Matrix Spike (B1H1104-MS1)											
						Source: 1102879-03					
						Prepared & Analyzed: 08/11/11					
Lead	197	0.015	0.0034	mg/L	3.99	200	NR	75-125			M3
Matrix Spike Dup (B1H1104-MSD1)											
						Source: 1102879-03					
						Prepared & Analyzed: 08/11/11					
Lead	204	0.015	0.0034	mg/L	3.99	200	82.2	75-125	3.05	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

Blank (B1F3019-BLK1)

Prepared & Analyzed: 06/30/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

Blank (B1F3019-BLK1)

Prepared & Analyzed: 06/30/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	0.117	1.0	0.058	mg/kg wet							B-02, J
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	44.1			ug/L	50.0		88.1	80-124			
Surrogate: Dibromofluoromethane	45.2			ug/L	50.0		90.5	77.1-123			
Surrogate: Toluene-d8	45.1			ug/L	50.0		90.2	78.1-125			

LCS (B1F3019-BS1)

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.2			ug/L	50.0		100	75-120		20	
1,1-Dichloroethane	46.1			ug/L	50.0		92.1	79.6-120		20	
1,1-Dichloroethene	47.8			ug/L	50.0		95.6	78.3-120		20	
1,3,5-Trimethylbenzene	50.1			ug/L	50.0		100	77-120		20	
1,4-Dichlorobenzene	51.5			ug/L	50.0		103	75-125		20	
2-Chlorotoluene	49.9			ug/L	50.0		99.9	75.9-120		20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

LCS (B1F3019-BS1)

Prepared & Analyzed: 06/30/11

Benzene	45.6			ug/L	50.0		91.1	80-120		20	
Bromoform	49.8			ug/L	50.0		99.7	80-120		20	
Chlorobenzene	50.5			ug/L	50.0		101	80-120		20	
Chloroform	43.3			ug/L	50.0		86.7	80-120		20	
Ethylbenzene	50.1			ug/L	50.0		100	80-120		20	
n-Butylbenzene	52.2			ug/L	50.0		104	75-125		20	
n-Propylbenzene	50.4			ug/L	50.0		101	75-120		20	
Toluene	46.4			ug/L	50.0		92.9	80-120		20	
Trichloroethene	45.8			ug/L	50.0		91.7	80-120		20	
Vinyl chloride	45.5			ug/L	50.0		90.9	75-130		20	
Surrogate: 4-Bromofluorobenzene	47.8			ug/L	50.0		95.6	80-124			
Surrogate: Dibromofluoromethane	46.0			ug/L	50.0		92.0	77.1-123			
Surrogate: Toluene-d8	45.7			ug/L	50.0		91.5	78.1-125			

Matrix Spike (B1F3019-MS1)

Source: 1102846-02

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.3			ug/L	50.0	<	101	75-125		20	
1,1-Dichloroethane	45.2			ug/L	50.0	<	90.5	78.7-123		20	
1,1-Dichloroethene	46.9			ug/L	50.0	<	93.9	75.8-121		20	
1,3,5-Trimethylbenzene	49.7			ug/L	50.0	<	99.4	75-120		20	
1,4-Dichlorobenzene	50.0			ug/L	50.0	<	100	75-125		20	
2-Chlorotoluene	49.6			ug/L	50.0	<	99.2	75-120		20	
Benzene	44.0			ug/L	50.0	<	88.0	80-120		20	
Bromoform	46.7			ug/L	50.0	<	93.4	80-120		20	
Chlorobenzene	46.3			ug/L	50.0	<	92.7	80-120		20	
Chloroform	42.4			ug/L	50.0	<	84.7	80-120		20	
Ethylbenzene	46.6			ug/L	50.0	<	93.3	80-120		20	
n-Butylbenzene	49.9			ug/L	50.0	<	99.8	73.8-125		20	
n-Propylbenzene	50.5			ug/L	50.0	<	101	75-120		20	
Toluene	44.7			ug/L	50.0	<	89.5	80-120		20	
Trichloroethene	44.1			ug/L	50.0	<	88.2	80-120		20	
Vinyl chloride	42.7			ug/L	50.0	<	85.4	74.8-130		20	
Surrogate: 4-Bromofluorobenzene	47.4			ug/L	50.0		94.9	80-124			
Surrogate: Dibromofluoromethane	45.6			ug/L	50.0		91.2	77.1-123			
Surrogate: Toluene-d8	45.8			ug/L	50.0		91.5	78.1-125			

Matrix Spike Dup (B1F3019-MSD1)

Source: 1102846-02

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.8			ug/L	50.0	<	102	75-125	0.895	20	
1,1-Dichloroethane	42.7			ug/L	50.0	<	85.3	78.7-123	5.85	20	
1,1-Dichloroethene	43.0			ug/L	50.0	<	85.9	75.8-121	8.86	20	
1,3,5-Trimethylbenzene	48.9			ug/L	50.0	<	97.8	75-120	1.61	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F3019 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1F3019-MSD1)		Source: 1102846-02			Prepared & Analyzed: 06/30/11						
1,4-Dichlorobenzene	50.6			ug/L	50.0	<	101	75-125	1.11	20	
2-Chlorotoluene	49.5			ug/L	50.0	<	99.1	75-120	0.157	20	
Benzene	44.3			ug/L	50.0	<	88.6	80-120	0.681	20	
Bromoform	46.6			ug/L	50.0	<	93.1	80-120	0.348	20	
Chlorobenzene	46.4			ug/L	50.0	<	92.8	80-120	0.103	20	
Chloroform	41.7			ug/L	50.0	<	83.4	80-120	1.61	20	
Ethylbenzene	47.2			ug/L	50.0	<	94.4	80-120	1.22	20	
n-Butylbenzene	51.1			ug/L	50.0	<	102	73.8-125	2.31	20	
n-Propylbenzene	49.8			ug/L	50.0	<	99.7	75-120	1.24	20	
Toluene	45.5			ug/L	50.0	<	91.0	80-120	1.66	20	
Trichloroethene	44.8			ug/L	50.0	<	89.5	80-120	1.50	20	
Vinyl chloride	41.1			ug/L	50.0	<	82.2	74.8-130	3.86	20	
Surrogate: 4-Bromofluorobenzene	48.4			ug/L	50.0		96.7	80-124			
Surrogate: Dibromofluoromethane	45.6			ug/L	50.0		91.3	77.1-123			
Surrogate: Toluene-d8	45.8			ug/L	50.0		91.6	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0901 - General Prep											
Duplicate (B1G0901-DUP1)											
			Source: 1102879-06			Prepared & Analyzed: 07/09/11					
Flashpoint	>140			°F		>140				5	
Reference (B1G0901-SRM1)											
						Prepared & Analyzed: 07/09/11					
Flashpoint	78.0			°F	78.0		100	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102879 Date Reported: 08/11/11
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Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.

M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.

J Parameter was present between the MDL and RL and should be considered an estimated value

B-02 Target analyte was present in the method blank between the MDL and RL.

B-01 Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.

< Less than value listed

dry Sample results reported on a dry weight basis

NA Not applicable. The %RPD is not calculated from values less than the reporting limit.

MDL Method Detection Limit

RL Reporting Limit

RPD Relative Percent Difference

LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)

MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

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St Paul, MN 55103
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Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 1102879

Project Number: 13/11-1092-00 48RE 810
Project Name: UMore East - Navy/BG
Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 36477

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type		VOCs (HCl) #1	VOCs (unpreserved) #2	Dissolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	Number of Containers/Preservative	
						Water	Soil								Water	Soil
1. 10SD-TT1	0.5	0.5	ft	10/27/2011	12:30	X	X	X	X						1	2
2. 10SD-TT2					13:00	X	X	X	X						1	2
3. 10SD-TT3					13:30	X	X	X	X						1	2
4. 10SD-TT4					14:00	X	X	X	X						1	2
5. 10SD-TT5					14:30	X	X	X	X						1	2
6. 10SD-TT6					15:00	X	X	X	X						1	2
7. 10SD-TT7					15:30	X	X	X	X						1	2
8. 10SD-TT8					16:00	X	X	X	X						1	2
9. 10SD-TT9					16:30	X	X	X	X						1	2
10. Trip Blank															1	2

Relinquished By: [Signature] Date: 6/28/11 0530
Relinquished By: [Signature] Date: 6/28/11 10:55

Received by: [Signature] Date: 6/28/11 10:55

Air Bill Number: _____

Common Parameter/Container - Preservation Key:
#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 13, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102880
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/28/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Dan Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
225T-TT1_0.5-0.5	1102880-01	Soil	06/27/11 08:45	06/28/11 10:55
C4-TT3_0.5-0.5	1102880-02	Soil	06/27/11 09:15	06/28/11 10:55
C4-TT1_0.5-0.5	1102880-03	Soil	06/27/11 09:30	06/28/11 10:55
GSD-TT4_0.5-0.5	1102880-04	Soil	06/27/11 09:45	06/28/11 10:55
C4-TT2_0.5-0.5	1102880-05	Soil	06/27/11 10:30	06/28/11 10:55
GSD-TT1_0.5-0.5	1102880-06	Soil	06/27/11 11:30	06/28/11 10:55

Shipping Container Information

Default Cooler

Temperature (°C):

 Received on ice: Yes
 Received on melt water: No
 Custody seals: No

 Temperature blank was not present
 Ambient: No

 Received on ice pack: No
 Acceptable (IH/ISO only): No

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

Recoveries for 8270 matrix spike compounds fluorene in the batch B1G0630 MS/MSD and anthracene in the MSD were below laboratory limits. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS.

Recovery for the 8270 surrogate 2-fluorobiphenyl was below laboratory limits in the batch B1G0630 MSD.

Recoveries for several 8270 matrix spike compounds were below laboratory limits in the batch B1G0706 MS. All target analytes were within limits in the LCS/MSD. The MS/MSD %RPDs were outside laboratory limits for phenol and 4-chloro-3-methylphenol, however, both percent recoveries were within limits. The MS/MSD source sample was not associated with this work order.

Recoveries for the 8270 surrogates phenol-d6, 2-fluorobiphenyl, and 2,4,6-tribromophenol were below laboratory limits in the batch B1G0706 MS.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
225T-TT1_0.5-0.5 (1102880-01) Soil Sampled: 06/27/11 08:45 Received: 06/28/11 10:55										
Arsenic	2.4	0.50	0.055	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	35	1.0	0.060	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	8.1	0.50	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.9	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.0	1.0	0.095	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
C4-TT3_0.5-0.5 (1102880-02) Soil Sampled: 06/27/11 09:15 Received: 06/28/11 10:55										
Arsenic	2.7	0.53	0.059	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	43	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	9.4	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	5.0	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
C4-TT1_0.5-0.5 (1102880-03) Soil Sampled: 06/27/11 09:30 Received: 06/28/11 10:55										
Arsenic	7.3	0.62	0.068	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	110	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	18	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	17	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
GSD-TT4_0.5-0.5 (1102880-04) Soil Sampled: 06/27/11 09:45 Received: 06/28/11 10:55										
Arsenic	5.2	0.56	0.062	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	83	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	14	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.7	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
C4-TT2_0.5-0.5 (1102880-05) Soil Sampled: 06/27/11 10:30 Received: 06/28/11 10:55										
Arsenic	7.6	0.59	0.064	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C4-TT2_0.5-0.5 (1102880-05) Soil Sampled: 06/27/11 10:30 Received: 06/28/11 10:55										
Barium	120	1.2	0.070	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	19	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	11	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1F3006	06/30/11	07/01/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	06/30/11	"	
GSD-TT1_0.5-0.5 (1102880-06) Soil Sampled: 06/27/11 11:30 Received: 06/28/11 10:55										
Arsenic	4.8	0.55	0.060	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	54	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	13	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.1	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1F3006	06/30/11	07/01/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	06/30/11	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
225T-TT1_0.5-0.5 (1102880-01) Soil Sampled: 06/27/11 08:45 Received: 06/28/11 10:55										
% Solids	94			%	1	B1G0514	07/05/11	07/06/11	% calculation	
C4-TT3_0.5-0.5 (1102880-02) Soil Sampled: 06/27/11 09:15 Received: 06/28/11 10:55										
% Solids	94			%	1	B1G0514	07/05/11	07/06/11	% calculation	
C4-TT1_0.5-0.5 (1102880-03) Soil Sampled: 06/27/11 09:30 Received: 06/28/11 10:55										
% Solids	81			%	1	B1G0514	07/05/11	07/06/11	% calculation	
GSD-TT4_0.5-0.5 (1102880-04) Soil Sampled: 06/27/11 09:45 Received: 06/28/11 10:55										
% Solids	89			%	1	B1G0514	07/05/11	07/06/11	% calculation	
C4-TT2_0.5-0.5 (1102880-05) Soil Sampled: 06/27/11 10:30 Received: 06/28/11 10:55										
% Solids	80			%	1	B1G0514	07/05/11	07/06/11	% calculation	
GSD-TT1_0.5-0.5 (1102880-06) Soil Sampled: 06/27/11 11:30 Received: 06/28/11 10:55										
% Solids	91			%	1	B1G0514	07/05/11	07/06/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
225T-TT1_0.5-0.5 (1102880-01) Soil Sampled: 06/27/11 08:45 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G0630	07/06/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
225T-TT1_0.5-0.5 (1102880-01) Soil Sampled: 06/27/11 08:45 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1G0630	07/06/11	07/08/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	79.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	65.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	91.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C4-TT3_0.5-0.5 (1102880-02) Soil Sampled: 06/27/11 09:15 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G0630	07/06/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C4-TT3_0.5-0.5 (1102880-02) Soil Sampled: 06/27/11 09:15 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1G0630	07/06/11	07/08/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	91.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C4-TT1_0.5-0.5 (1102880-03) Soil Sampled: 06/27/11 09:30 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1G0630	07/06/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	0.070	0.41	0.044	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.22	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.17	0.41	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.21	0.41	0.053	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.079	0.41	0.053	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C4-TT1_0.5-0.5 (1102880-03) Soil Sampled: 06/27/11 09:30 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	0.095	0.41	0.059	mg/kg dry	1	B1G0630	07/06/11	07/08/11	EPA 8270C	J
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	0.21	0.41	0.054	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.36	0.41	0.048	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.35	0.41	0.049	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.23	0.41	0.044	mg/kg dry	1	"	"	"	"	J
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	0.35	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	80.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	74.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	78.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	89.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GSD-TT4_0.5-0.5 (1102880-04) Soil Sampled: 06/27/11 09:45 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1G0630	07/06/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GSD-TT4_0.5-0.5 (1102880-04) Soil Sampled: 06/27/11 09:45 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1G0630	07/06/11	07/08/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	78.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	75.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	90.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C4-TT2_0.5-0.5 (1102880-05) Soil Sampled: 06/27/11 10:30 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	B1G0630	07/06/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.84	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.094	0.84	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.075	0.84	0.075	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.84	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.082	0.84	0.082	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.84	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.84	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	0.051	0.41	0.045	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.24	3.1	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.11	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.097	0.41	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.13	0.41	0.054	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C4-TT2_0.5-0.5 (1102880-05) Soil Sampled: 06/27/11 10:30 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.060	0.41	0.060	mg/kg dry	1	B1G0630	07/06/11	07/08/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	0.11	0.41	0.055	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.30	0.41	0.049	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.061	0.41	0.050	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.27	0.41	0.045	mg/kg dry	1	"	"	"	"	J
Phenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
Pyrene	0.24	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	79.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	56.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	56.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	61.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	61.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GSD-TT1_0.5-0.5 (1102880-06) Soil Sampled: 06/27/11 11:30 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GSD-TT1_0.5-0.5 (1102880-06) Soil Sampled: 06/27/11 11:30 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	86.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	85.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	85.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	86.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	88.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	93.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3006 - EPA 3050B

Blank (B1F3006-BLK1)

Prepared & Analyzed: 06/30/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1F3006-BS1)

Prepared & Analyzed: 06/30/11

Arsenic	43.1	0.50	0.055	mg/kg wet	39.9		108	80-120			
Barium	42.7	1.0	0.060	mg/kg wet	39.9		107	80-120			
Cadmium	42.2	0.25	0.033	mg/kg wet	39.9		106	80-120			
Chromium	42.9	0.50	0.012	mg/kg wet	39.9		107	80-120			
Lead	42.4	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	43.3	1.0	0.095	mg/kg wet	39.9		109	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1F3006-BSD1)

Prepared & Analyzed: 06/30/11

Arsenic	42.5	0.50	0.055	mg/kg wet	39.9		107	80-120	1.40	20	
Barium	42.2	1.0	0.060	mg/kg wet	39.9		106	80-120	1.25	20	
Cadmium	41.4	0.25	0.033	mg/kg wet	39.9		104	80-120	1.87	20	
Chromium	42.3	0.50	0.012	mg/kg wet	39.9		106	80-120	1.33	20	
Lead	41.7	1.0	0.14	mg/kg wet	39.9		105	80-120	1.59	20	
Selenium	42.7	1.0	0.095	mg/kg wet	39.9		107	80-120	1.56	20	
Silver	4.03	0.25	0.016	mg/kg wet	3.99		101	80-120	3.10	20	

Matrix Spike (B1F3006-MS1)

Source: 1102864-01

Prepared & Analyzed: 06/30/11

Arsenic	50.7	0.57	0.063	mg/kg dry	45.6	5.26	99.5	75-125			
Barium	116	1.1	0.069	mg/kg dry	45.6	71.3	97.1	75-125			
Cadmium	45.2	0.29	0.038	mg/kg dry	45.6	<0.29	98.7	75-125			
Chromium	59.1	0.57	0.014	mg/kg dry	45.6	13.7	99.4	75-125			
Lead	53.5	1.1	0.16	mg/kg dry	45.6	11.9	91.1	75-125			
Selenium	46.0	1.1	0.11	mg/kg dry	45.6	<1.1	100	75-125			
Silver	4.23	0.29	0.018	mg/kg dry	4.56	<0.29	92.7	75-125			

Matrix Spike Dup (B1F3006-MSD1)

Source: 1102864-01

Prepared & Analyzed: 06/30/11

Arsenic	50.9	0.57	0.063	mg/kg dry	45.0	5.26	101	75-125	0.486	20	
Barium	122	1.1	0.069	mg/kg dry	45.0	71.3	112	75-125	5.19	20	
Cadmium	45.0	0.29	0.038	mg/kg dry	45.0	<0.29	99.7	75-125	0.329	20	
Chromium	60.5	0.57	0.014	mg/kg dry	45.0	13.7	104	75-125	2.31	20	
Lead	53.6	1.1	0.16	mg/kg dry	45.0	11.9	92.4	75-125	0.0836	20	
Selenium	46.0	1.1	0.11	mg/kg dry	45.0	<1.1	102	75-125	0.0223	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F3006 - EPA 3050B											
Matrix Spike Dup (B1F3006-MSD1)											
			Source: 1102864-01			Prepared & Analyzed: 06/30/11					
Silver	4.14	0.29	0.018	mg/kg dry	4.50	<0.29	91.8	75-125	2.30	20	
Batch B1G0603 - EPA 7471A											
Blank (B1G0603-BLK1)											
			Prepared: 07/06/11 Analyzed: 07/07/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0603-BS1)											
			Prepared: 07/06/11 Analyzed: 07/07/11								
Mercury	0.215	0.10	0.019	mg/kg wet	0.200		108	80-120			
LCS Dup (B1G0603-BSD1)											
			Prepared: 07/06/11 Analyzed: 07/07/11								
Mercury	0.213	0.10	0.019	mg/kg wet	0.200		106	80-120	0.935	20	
Matrix Spike (B1G0603-MS1)											
			Source: 1102876-01			Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.248	0.11	0.021	mg/kg dry	0.216	<0.11	101	75-125			
Matrix Spike Dup (B1G0603-MSD1)											
			Source: 1102876-01			Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.272	0.11	0.021	mg/kg dry	0.216	<0.11	112	75-125	9.16	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0514 - General Preparation											
Duplicate (B1G0514-DUP1)											
	Source: 1102879-06					Prepared: 07/05/11	Analyzed: 07/06/11				
% Solids	85.0			%		85.0			0.00	20	
Duplicate (B1G0514-DUP2)											
	Source: 1102886-01					Prepared: 07/05/11	Analyzed: 07/06/11				
% Solids	83.0			%		82.0			1.21	20	
Duplicate (B1G0514-DUP3)											
	Source: 1102919-02					Prepared: 07/05/11	Analyzed: 07/06/11				
% Solids	96.0			%		96.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

Blank (B1G0630-BLK1)

Prepared: 07/06/11 Analyzed: 07/07/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102880
 Date Reported: 07/13/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

Blank (B1G0630-BLK1)

Prepared: 07/06/11 Analyzed: 07/07/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.66			mg/kg wet	6.67		69.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.33			mg/kg wet	6.67		65.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.19			mg/kg wet	6.67		62.9	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.32			mg/kg wet	6.67		64.8	48.9-100			
Surrogate: Phenol-d6	4.37			mg/kg wet	6.67		65.5	50.4-99.6			
Surrogate: Terphenyl-d14	6.22			mg/kg wet	6.67		93.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

LCS (B1G0630-BS1)

Prepared: 07/06/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.35	0.33	0.031	mg/kg wet	6.67		65.3	59.1-87.7			
1,4-Dichlorobenzene	3.96	0.33	0.029	mg/kg wet	6.67		59.4	50.3-72.9			
2,4-Dinitrotoluene	4.76	0.33	0.035	mg/kg wet	6.67		71.3	59.8-82.2			
2-Chlorophenol	4.77	0.67	0.060	mg/kg wet	6.67		71.6	59.7-77.3			
4-Chloro-3-methylphenol	4.98	0.67	0.066	mg/kg wet	6.67		74.7	63.6-80.4			
4-Nitrophenol	5.00	0.67	0.093	mg/kg wet	6.67		75.0	57.3-84.9			
Anthracene	5.08	0.33	0.036	mg/kg wet	6.67		76.2	67.3-88			
Benzo(a)anthracene	5.41	0.33	0.041	mg/kg wet	6.67		81.2	66.5-90.5			
Benzo(a)pyrene	5.81	0.33	0.042	mg/kg wet	6.67		87.1	66.1-89.7			
Chrysene	5.40	0.33	0.044	mg/kg wet	6.67		81.0	65.5-90.5			
Fluoranthene	5.05	0.33	0.039	mg/kg wet	6.67		75.8	66.7-89.9			
Fluorene	4.60	0.33	0.035	mg/kg wet	6.67		69.1	66.2-85.6			
N-Nitrosodi-n-propylamine	4.63	0.33	0.033	mg/kg wet	6.67		69.5	59.4-78			
Pentachlorophenol	5.48	0.67	0.078	mg/kg wet	6.67		82.1	46.7-83.2			
Phenanthrene	5.19	0.33	0.036	mg/kg wet	6.67		77.8	67.5-87.9			
Phenol	4.19	0.67	0.069	mg/kg wet	6.67		62.8	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.64			mg/kg wet	6.67		84.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.27			mg/kg wet	6.67		64.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.18			mg/kg wet	6.67		62.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.50			mg/kg wet	6.67		67.5	48.9-100			
Surrogate: Phenol-d6	4.62			mg/kg wet	6.67		69.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.94			mg/kg wet	6.67		74.1	51-99.6			

Matrix Spike (B1G0630-MS1)

Source: 1102869-10

Prepared: 07/06/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.00	0.34	0.032	mg/kg dry	6.96	<0.34	57.5	44.8-97.9			
1,4-Dichlorobenzene	3.60	0.34	0.030	mg/kg dry	6.96	<0.34	51.8	42.3-77.9			
2,4-Dinitrotoluene	4.38	0.34	0.036	mg/kg dry	6.96	<0.34	63.0	57.3-86.6			
2-Chlorophenol	3.92	0.69	0.062	mg/kg dry	6.96	<0.69	56.4	43.3-93.2			
4-Chloro-3-methylphenol	4.13	0.69	0.068	mg/kg dry	6.96	<0.69	59.4	47.1-97.6			
4-Nitrophenol	4.10	0.69	0.096	mg/kg dry	6.96	<0.69	59.0	49.3-96.2			
Anthracene	4.79	0.34	0.037	mg/kg dry	6.96	<0.34	67.5	67.5-93.1			
Benzo(a)anthracene	5.20	0.34	0.042	mg/kg dry	6.96	<0.34	74.8	59.8-95.7			
Benzo(a)pyrene	5.17	0.34	0.043	mg/kg dry	6.96	<0.34	74.3	59.8-92.7			
Chrysene	5.14	0.34	0.045	mg/kg dry	6.96	<0.34	73.8	62.5-94.6			
Fluoranthene	4.88	0.34	0.040	mg/kg dry	6.96	<0.34	67.5	61.3-92.8			
Fluorene	4.31	0.34	0.036	mg/kg dry	6.96	<0.34	62.0	62.8-92.6			M2
N-Nitrosodi-n-propylamine	4.28	0.34	0.034	mg/kg dry	6.96	<0.34	61.6	46.9-89.9			
Pentachlorophenol	4.44	0.69	0.080	mg/kg dry	6.96	<0.69	63.8	40.1-95.1			
Phenanthrene	4.95	0.34	0.037	mg/kg dry	6.96	<0.34	67.2	65.2-92.2			
Phenol	3.49	0.69	0.071	mg/kg dry	6.96	<0.69	50.1	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0630 - EPA 3545 ASE Extraction

Matrix Spike (B1G0630-MS1)

Source: 1102869-10

Prepared: 07/06/11

Analyzed: 07/08/11

Surrogate: 2,4,6-Tribromophenol	5.33			mg/kg dry	6.96		76.7	53-107			
Surrogate: 2-Fluorobiphenyl	3.96			mg/kg dry	6.96		57.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.88			mg/kg dry	6.96		55.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.17			mg/kg dry	6.96		60.0	48.9-100			
Surrogate: Phenol-d6	4.30			mg/kg dry	6.96		61.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.57			mg/kg dry	6.96		65.7	51-99.6			

Matrix Spike Dup (B1G0630-MSD1)

Source: 1102869-10

Prepared: 07/06/11

Analyzed: 07/08/11

1,2,4-Trichlorobenzene	3.66	0.34	0.032	mg/kg dry	6.95	<0.34	52.6	44.8-97.9	8.87	19.6	
1,4-Dichlorobenzene	3.29	0.34	0.030	mg/kg dry	6.95	<0.34	47.3	42.3-77.9	9.20	22.4	
2,4-Dinitrotoluene	4.39	0.34	0.036	mg/kg dry	6.95	<0.34	63.1	57.3-86.6	0.221	19.5	
2-Chlorophenol	3.56	0.69	0.062	mg/kg dry	6.95	<0.69	51.3	43.3-93.2	9.64	23.7	
4-Chloro-3-methylphenol	3.96	0.69	0.068	mg/kg dry	6.95	<0.69	56.9	47.1-97.6	4.35	18.3	
4-Nitrophenol	4.18	0.69	0.096	mg/kg dry	6.95	<0.69	60.1	49.3-96.2	1.74	20.4	
Anthracene	4.78	0.34	0.037	mg/kg dry	6.95	<0.34	67.4	67.5-93.1	0.114	19.9	M2
Benzo(a)anthracene	5.13	0.34	0.042	mg/kg dry	6.95	<0.34	73.8	59.8-95.7	1.35	23.4	
Benzo(a)pyrene	5.06	0.34	0.043	mg/kg dry	6.95	<0.34	72.8	59.8-92.7	2.18	21.1	
Chrysene	5.09	0.34	0.045	mg/kg dry	6.95	<0.34	73.3	62.5-94.6	0.834	24.8	
Fluoranthene	4.82	0.34	0.040	mg/kg dry	6.95	<0.34	66.7	61.3-92.8	1.28	21.8	
Fluorene	4.24	0.34	0.036	mg/kg dry	6.95	<0.34	61.0	62.8-92.6	1.56	17.6	M2
N-Nitrosodi-n-propylamine	3.96	0.34	0.034	mg/kg dry	6.95	<0.34	56.9	46.9-89.9	7.94	18.9	
Pentachlorophenol	4.51	0.69	0.080	mg/kg dry	6.95	<0.69	64.8	40.1-95.1	1.63	19.7	
Phenanthrene	4.85	0.34	0.037	mg/kg dry	6.95	<0.34	65.9	65.2-92.2	1.88	20.5	
Phenol	3.21	0.69	0.071	mg/kg dry	6.95	<0.69	46.1	44.7-91	8.30	17.9	
Surrogate: 2,4,6-Tribromophenol	5.24			mg/kg dry	6.95		75.4	53-107			
Surrogate: 2-Fluorobiphenyl	3.73			mg/kg dry	6.95		53.6	53.9-97.9			S-GC
Surrogate: 2-Fluorophenol	3.47			mg/kg dry	6.95		50.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.83			mg/kg dry	6.95		55.1	48.9-100			
Surrogate: Phenol-d6	3.93			mg/kg dry	6.95		56.5	50.4-99.6			
Surrogate: Terphenyl-d14	4.58			mg/kg dry	6.95		65.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0706 - EPA 3545 ASE Extraction

Blank (B1G0706-BLK1)

Prepared: 07/07/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0706 - EPA 3545 ASE Extraction

Blank (B1G0706-BLK1)

Prepared: 07/07/11 Analyzed: 07/08/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	3.70			mg/kg wet	6.67		55.5	53-107			
Surrogate: 2-Fluorobiphenyl	3.70			mg/kg wet	6.67		55.5	53.9-97.9			
Surrogate: 2-Fluorophenol	3.54			mg/kg wet	6.67		53.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.79			mg/kg wet	6.67		56.8	48.9-100			
Surrogate: Phenol-d6	3.70			mg/kg wet	6.67		55.5	50.4-99.6			
Surrogate: Terphenyl-d14	4.54			mg/kg wet	6.67		68.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0706 - EPA 3545 ASE Extraction

LCS (B1G0706-BS1)

Prepared: 07/07/11 Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.10	0.33	0.031	mg/kg wet	6.67		61.5	59.1-87.7			
1,4-Dichlorobenzene	3.66	0.33	0.029	mg/kg wet	6.67		55.0	50.3-72.9			
2,4-Dinitrotoluene	4.40	0.33	0.035	mg/kg wet	6.67		66.0	59.8-82.2			
2-Chlorophenol	4.52	0.67	0.060	mg/kg wet	6.67		67.8	59.7-77.3			
4-Chloro-3-methylphenol	4.66	0.67	0.066	mg/kg wet	6.67		69.8	63.6-80.4			
4-Nitrophenol	4.80	0.67	0.093	mg/kg wet	6.67		72.1	57.3-84.9			
Anthracene	4.94	0.33	0.036	mg/kg wet	6.67		74.1	67.3-88			
Benzo(a)anthracene	5.25	0.33	0.041	mg/kg wet	6.67		78.8	66.5-90.5			
Benzo(a)pyrene	5.37	0.33	0.042	mg/kg wet	6.67		80.5	66.1-89.7			
Chrysene	5.23	0.33	0.044	mg/kg wet	6.67		78.4	65.5-90.5			
Fluoranthene	4.97	0.33	0.039	mg/kg wet	6.67		74.5	66.7-89.9			
Fluorene	4.44	0.33	0.035	mg/kg wet	6.67		66.6	66.2-85.6			
N-Nitrosodi-n-propylamine	4.25	0.33	0.033	mg/kg wet	6.67		63.8	59.4-78			
Pentachlorophenol	5.23	0.67	0.078	mg/kg wet	6.67		78.4	46.7-83.2			
Phenanthrene	5.02	0.33	0.036	mg/kg wet	6.67		75.4	67.5-87.9			
Phenol	4.04	0.67	0.069	mg/kg wet	6.67		60.7	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.61			mg/kg wet	6.67		69.2	53-107			
Surrogate: 2-Fluorobiphenyl	3.76			mg/kg wet	6.67		56.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.62			mg/kg wet	6.67		54.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.07			mg/kg wet	6.67		61.0	48.9-100			
Surrogate: Phenol-d6	4.00			mg/kg wet	6.67		59.9	50.4-99.6			
Surrogate: Terphenyl-d14	4.30			mg/kg wet	6.67		64.5	51-99.6			

Matrix Spike (B1G0706-MS1)

Source: 1102883-17

Prepared: 07/07/11 Analyzed: 07/09/11

1,2,4-Trichlorobenzene	3.13	0.35	0.033	mg/kg dry	7.11	<0.35	43.9	44.8-97.9			M2
1,4-Dichlorobenzene	3.17	0.35	0.031	mg/kg dry	7.11	<0.35	44.6	42.3-77.9			
2,4-Dinitrotoluene	3.81	0.35	0.037	mg/kg dry	7.11	<0.35	53.6	57.3-86.6			M2
2-Chlorophenol	3.30	0.71	0.064	mg/kg dry	7.11	<0.71	46.4	43.3-93.2			
4-Chloro-3-methylphenol	3.66	0.71	0.070	mg/kg dry	7.11	<0.71	51.4	47.1-97.6			
4-Nitrophenol	3.82	0.71	0.099	mg/kg dry	7.11	<0.71	53.7	49.3-96.2			
Anthracene	4.26	0.35	0.038	mg/kg dry	7.11	<0.35	59.9	67.5-93.1			M2
Benzo(a)anthracene	4.33	0.35	0.044	mg/kg dry	7.11	<0.35	60.9	59.8-95.7			
Benzo(a)pyrene	4.00	0.35	0.045	mg/kg dry	7.11	<0.35	56.3	59.8-92.7			M2
Chrysene	4.40	0.35	0.047	mg/kg dry	7.11	<0.35	61.9	62.5-94.6			M2
Fluoranthene	4.22	0.35	0.041	mg/kg dry	7.11	<0.35	59.3	61.3-92.8			M2
Fluorene	3.90	0.35	0.037	mg/kg dry	7.11	<0.35	54.8	62.8-92.6			M2
N-Nitrosodi-n-propylamine	3.52	0.35	0.035	mg/kg dry	7.11	<0.35	49.5	46.9-89.9			
Pentachlorophenol	3.30	0.71	0.083	mg/kg dry	7.11	<0.71	46.4	40.1-95.1			
Phenanthrene	4.25	0.35	0.038	mg/kg dry	7.11	<0.35	59.8	65.2-92.2			M2
Phenol	3.39	0.71	0.073	mg/kg dry	7.11	<0.71	47.7	44.7-91			

Legend Technical Services, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 UWP 014989

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102880 Date Reported: 07/13/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0706 - EPA 3545 ASE Extraction

Matrix Spike (B1G0706-MS1)	Source: 1102883-17			Prepared: 07/07/11		Analyzed: 07/09/11					
Surrogate: 2,4,6-Tribromophenol	3.61			mg/kg dry	7.11		50.8	53-107			S-02
Surrogate: 2-Fluorobiphenyl	3.38			mg/kg dry	7.11		47.6	53.9-97.9			S-02
Surrogate: 2-Fluorophenol	3.34			mg/kg dry	7.11		46.9	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.54			mg/kg dry	7.11		49.8	48.9-100			
Surrogate: Phenol-d6	3.47			mg/kg dry	7.11		48.8	50.4-99.6			S-02
Surrogate: Terphenyl-d14	3.86			mg/kg dry	7.11		54.3	51-99.6			

Matrix Spike Dup (B1G0706-MSD1)	Source: 1102883-17			Prepared: 07/07/11		Analyzed: 07/09/11					
1,2,4-Trichlorobenzene	3.74	0.35	0.033	mg/kg dry	7.19	<0.35	52.0	44.8-97.9	17.9	19.6	
1,4-Dichlorobenzene	3.68	0.35	0.031	mg/kg dry	7.19	<0.35	51.2	42.3-77.9	14.8	22.4	
2,4-Dinitrotoluene	4.47	0.35	0.037	mg/kg dry	7.19	<0.35	62.2	57.3-86.6	16.0	19.5	
2-Chlorophenol	3.93	0.71	0.064	mg/kg dry	7.19	<0.71	54.7	43.3-93.2	17.5	23.7	
4-Chloro-3-methylphenol	4.48	0.71	0.070	mg/kg dry	7.19	<0.71	62.3	47.1-97.6	20.2	18.3	R5
4-Nitrophenol	4.63	0.71	0.099	mg/kg dry	7.19	<0.71	64.4	49.3-96.2	19.2	20.4	
Anthracene	5.02	0.35	0.038	mg/kg dry	7.19	<0.35	69.9	67.5-93.1	16.5	19.9	
Benzo(a)anthracene	5.17	0.35	0.044	mg/kg dry	7.19	<0.35	71.9	59.8-95.7	17.6	23.4	
Benzo(a)pyrene	4.83	0.35	0.045	mg/kg dry	7.19	<0.35	67.2	59.8-92.7	18.7	21.1	
Chrysene	5.27	0.35	0.047	mg/kg dry	7.19	<0.35	73.3	62.5-94.6	18.0	24.8	
Fluoranthene	5.06	0.35	0.041	mg/kg dry	7.19	<0.35	70.4	61.3-92.8	18.2	21.8	
Fluorene	4.58	0.35	0.037	mg/kg dry	7.19	<0.35	63.7	62.8-92.6	16.0	17.6	
N-Nitrosodi-n-propylamine	4.22	0.35	0.035	mg/kg dry	7.19	<0.35	58.7	46.9-89.9	18.1	18.9	
Pentachlorophenol	4.00	0.71	0.083	mg/kg dry	7.19	<0.71	55.7	40.1-95.1	19.3	19.7	
Phenanthrene	5.00	0.35	0.038	mg/kg dry	7.19	<0.35	69.5	65.2-92.2	16.1	20.5	
Phenol	4.06	0.71	0.073	mg/kg dry	7.19	<0.71	56.5	44.7-91	18.0	17.9	R5
Surrogate: 2,4,6-Tribromophenol	4.33			mg/kg dry	7.19		60.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.13			mg/kg dry	7.19		57.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.99			mg/kg dry	7.19		55.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.24			mg/kg dry	7.19		59.0	48.9-100			
Surrogate: Phenol-d6	4.18			mg/kg dry	7.19		58.1	50.4-99.6			
Surrogate: Terphenyl-d14	4.62			mg/kg dry	7.19		64.2	51-99.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1102880
Date Reported: 07/13/11

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
S-02 Surrogate recovery outside of laboratory acceptance limits.
R5 MS/MSD RPD exceeded the laboratory acceptance limit. Recoveries met acceptance criteria.
M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)



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St Paul, MN 55103
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July 18, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102883
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/28/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "Dan Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
746B-SS1_0.5-0.5	1102883-01	Soil	06/27/11 08:20	06/28/11 10:55
746B-SS2_0.5-0.5	1102883-02	Soil	06/27/11 08:40	06/28/11 10:55
22926-SS1_0.5-0.5	1102883-03	Soil	06/27/11 09:35	06/28/11 10:55
22926-SS2_0.5-0.5	1102883-04	Soil	06/27/11 09:40	06/28/11 10:55
707X-SS1_0.5-0.5	1102883-05	Soil	06/27/11 11:00	06/28/11 10:55
704E-SS1_0.5-0.5	1102883-06	Soil	06/27/11 12:30	06/28/11 10:55
707XX-SS1_0.5-0.5	1102883-07	Soil	06/27/11 12:45	06/28/11 10:55
238B-SS1_0.5-0.5	1102883-08	Soil	06/27/11 13:10	06/28/11 10:55
238B-SS2_0.5-0.5	1102883-09	Soil	06/27/11 13:15	06/28/11 10:55
238B-SS3_0.5-0.5	1102883-10	Soil	06/27/11 13:45	06/28/11 10:55
238B-SS4_0.5-0.5	1102883-11	Soil	06/27/11 13:50	06/28/11 10:55
239A-SS1_0.5-0.5	1102883-12	Soil	06/27/11 14:30	06/28/11 10:55
239A-SS2_0.5-0.5	1102883-13	Soil	06/27/11 14:40	06/28/11 10:55
239A-SS3_0.5-0.5	1102883-14	Soil	06/27/11 14:50	06/28/11 10:55
220C-SS1_1-1	1102883-15	Soil	06/27/11 15:30	06/28/11 10:55
220C-SS2_1-1	1102883-16	Soil	06/27/11 15:40	06/28/11 10:55
220C-SS3_1-1	1102883-17	Soil	06/27/11 15:50	06/28/11 10:55
220C-SS4_1-1	1102883-18	Soil	06/27/11 16:00	06/28/11 10:55
220C-SS5_1-1	1102883-19	Soil	06/27/11 16:10	06/28/11 10:55
M-1_0.5-0.5	1102883-20	Soil	06/27/11 00:00	06/28/11 10:55
FB-1	1102883-21	Water	06/27/11 00:00	06/28/11 10:55

Shipping Container Information

Default Cooler

Temperature (°C):

Received on ice: Yes
 Received on melt water: No
 Custody seals: No

Temperature blank was not present
 Ambient: No

Received on ice pack: No
 Acceptable (IH/ISO only): No

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Recoveries for several 8270 matrix spike compounds were below laboratory limits in the batch B1G0706 MS. The MS/MSD source sample was 220C-SS3_1-1. All target analytes were within limits in the LCS/MSD. The MS/MSD %RPDs were outside laboratory limits for phenol and 4-chloro-3-methylphenol, however both percent recoveries were within limits.

Recoveries for the 8270 surrogates phenol-d6, 2-fluorobiphenyl and 2,4,6-tribromophenol were below laboratory limits in the batch B1G0706 MS.

Recoveries for barium in the MS sample and lead in the MS/MSD samples were above the laboratory control limits for the soil batch. The barium LCS/LCSD/MSD samples and the lead LCS/LCSD samples and the corresponding %RPDs were within limits. The MS/MSD source sample was 220C-SS4_1-1.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
746B-SS1_0.5-0.5 (1102883-01) Soil Sampled: 06/27/11 08:20 Received: 06/28/11 10:55										
Arsenic	5.4	0.56	0.062	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	68	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	0.42	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	16	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	26	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
746B-SS2_0.5-0.5 (1102883-02) Soil Sampled: 06/27/11 08:40 Received: 06/28/11 10:55										
Arsenic	2.8	0.54	0.059	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	180	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	0.43	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	19	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	22	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
22926-SS1_0.5-0.5 (1102883-03) Soil Sampled: 06/27/11 09:35 Received: 06/28/11 10:55										
Arsenic	6.7	0.68	0.074	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	140	1.4	0.081	mg/kg dry	1	"	"	"	"	
Cadmium	<0.34	0.34	0.045	mg/kg dry	1	"	"	"	"	
Chromium	15	0.68	0.016	mg/kg dry	1	"	"	"	"	
Lead	16	1.4	0.19	mg/kg dry	1	"	"	"	"	
Mercury	<0.14	0.14	0.026	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.4	1.4	0.13	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.34	0.34	0.022	mg/kg dry	1	"	"	"	"	
22926-SS2_0.5-0.5 (1102883-04) Soil Sampled: 06/27/11 09:40 Received: 06/28/11 10:55										
Arsenic	5.8	0.62	0.068	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	130	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	14	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	13	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
707X-SS1_0.5-0.5 (1102883-05) Soil Sampled: 06/27/11 11:00 Received: 06/28/11 10:55										
Arsenic	3.0	0.54	0.060	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707X-SS1_0.5-0.5 (1102883-05) Soil Sampled: 06/27/11 11:00 Received: 06/28/11 10:55										
Barium	35	1.1	0.065	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	9.1	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
704E-SS1_0.5-0.5 (1102883-06) Soil Sampled: 06/27/11 12:30 Received: 06/28/11 10:55										
Arsenic	5.0	0.59	0.065	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	63	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	16	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	8.2	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
707XX-SS1_0.5-0.5 (1102883-07) Soil Sampled: 06/27/11 12:45 Received: 06/28/11 10:55										
Arsenic	3.6	0.59	0.065	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	41	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	11	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	6.7	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
238B-SS1_0.5-0.5 (1102883-08) Soil Sampled: 06/27/11 13:10 Received: 06/28/11 10:55										
Arsenic	6.7	0.62	0.068	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	130	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	15	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	12	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
238B-SS2_0.5-0.5 (1102883-09) Soil Sampled: 06/27/11 13:15 Received: 06/28/11 10:55										
Arsenic	4.7	0.60	0.065	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	80	1.2	0.071	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
238B-SS2_0.5-0.5 (1102883-09) Soil Sampled: 06/27/11 13:15 Received: 06/28/11 10:55										
Cadmium	<0.30	0.30	0.039	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Chromium	12	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	23	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
238B-SS3_0.5-0.5 (1102883-10) Soil Sampled: 06/27/11 13:45 Received: 06/28/11 10:55										
Arsenic	5.4	0.63	0.070	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	100	1.3	0.076	mg/kg dry	1	"	"	"	"	
Cadmium	<0.32	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	14	0.63	0.015	mg/kg dry	1	"	"	"	"	
Lead	20	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.13	0.13	0.024	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.32	0.32	0.020	mg/kg dry	1	"	"	"	"	
238B-SS4_0.5-0.5 (1102883-11) Soil Sampled: 06/27/11 13:50 Received: 06/28/11 10:55										
Arsenic	5.7	0.67	0.073	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	110	1.3	0.080	mg/kg dry	1	"	"	"	"	
Cadmium	0.54	0.33	0.044	mg/kg dry	1	"	"	"	"	
Chromium	16	0.67	0.016	mg/kg dry	1	"	"	"	"	
Lead	30	1.3	0.19	mg/kg dry	1	"	"	"	"	
Mercury	<0.13	0.13	0.025	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.3	1.3	0.13	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	0.44	0.33	0.021	mg/kg dry	1	"	"	"	"	
239A-SS1_0.5-0.5 (1102883-12) Soil Sampled: 06/27/11 14:30 Received: 06/28/11 10:55										
Arsenic	5.7	0.63	0.070	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	120	1.3	0.076	mg/kg dry	1	"	"	"	"	
Cadmium	<0.32	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	15	0.63	0.015	mg/kg dry	1	"	"	"	"	
Lead	13	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.13	0.13	0.024	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.32	0.32	0.020	mg/kg dry	1	"	"	"	"	
239A-SS2_0.5-0.5 (1102883-13) Soil Sampled: 06/27/11 14:40 Received: 06/28/11 10:55										
Arsenic	4.8	0.62	0.068	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	91	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
239A-SS2_0.5-0.5 (1102883-13) Soil Sampled: 06/27/11 14:40 Received: 06/28/11 10:55										
Chromium	13	0.62	0.015	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Lead	13	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
239A-SS3_0.5-0.5 (1102883-14) Soil Sampled: 06/27/11 14:50 Received: 06/28/11 10:55										
Arsenic	4.3	0.58	0.064	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	68	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	13	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	8.3	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
220C-SS1_1-1 (1102883-15) Soil Sampled: 06/27/11 15:30 Received: 06/28/11 10:55										
Arsenic	2.8	0.56	0.061	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	33	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	7.0	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	12	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.099	0.099	0.019	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
220C-SS2_1-1 (1102883-16) Soil Sampled: 06/27/11 15:40 Received: 06/28/11 10:55										
Arsenic	5.6	0.96	0.11	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	92	1.9	0.12	mg/kg dry	1	"	"	"	"	
Cadmium	0.50	0.48	0.063	mg/kg dry	1	"	"	"	"	
Chromium	16	0.96	0.023	mg/kg dry	1	"	"	"	"	
Lead	120	1.9	0.27	mg/kg dry	1	"	"	"	"	
Mercury	<0.19	0.19	0.037	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.9	1.9	0.18	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.48	0.48	0.031	mg/kg dry	1	"	"	"	"	
220C-SS3_1-1 (1102883-17) Soil Sampled: 06/27/11 15:50 Received: 06/28/11 10:55										
Arsenic	2.7	0.53	0.059	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	42	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	9.7	0.53	0.013	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220C-SS3_1-1 (1102883-17) Soil Sampled: 06/27/11 15:50 Received: 06/28/11 10:55										
Lead	10	1.1	0.15	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
220C-SS4_1-1 (1102883-18) Soil Sampled: 06/27/11 16:00 Received: 06/28/11 10:55										
Arsenic	2.5	0.54	0.059	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	37	1.1	0.065	mg/kg dry	1	"	"	"	"	M1
Cadmium	0.30	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	9.5	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	69	1.1	0.15	mg/kg dry	1	"	"	"	"	M1
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
220C-SS5_1-1 (1102883-19) Soil Sampled: 06/27/11 16:10 Received: 06/28/11 10:55										
Arsenic	2.6	0.56	0.061	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	28	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	13	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	15	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
M-1_0.5-0.5 (1102883-20) Soil Sampled: 06/27/11 00:00 Received: 06/28/11 10:55										
Arsenic	3.3	0.58	0.064	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Barium	43	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	10	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	7.9	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G0605	07/06/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0113	07/01/11	07/05/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
FB-1 (1102883-21) Water Sampled: 06/27/11 00:00 Received: 06/28/11 10:55										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1102883-21) Water Sampled: 06/27/11 00:00 Received: 06/28/11 10:55										
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G0629	07/06/11	07/07/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

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PERCENT SOLIDS
 Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
746B-SS1_0.5-0.5 (1102883-01) Soil Sampled: 06/27/11 08:20 Received: 06/28/11 10:55										
% Solids	84			%	1	B1G0614	07/06/11	07/06/11	% calculation	
746B-SS2_0.5-0.5 (1102883-02) Soil Sampled: 06/27/11 08:40 Received: 06/28/11 10:55										
% Solids	93			%	1	B1G0614	07/06/11	07/06/11	% calculation	
22926-SS1_0.5-0.5 (1102883-03) Soil Sampled: 06/27/11 09:35 Received: 06/28/11 10:55										
% Solids	74			%	1	B1G0614	07/06/11	07/06/11	% calculation	
22926-SS2_0.5-0.5 (1102883-04) Soil Sampled: 06/27/11 09:40 Received: 06/28/11 10:55										
% Solids	81			%	1	B1G0614	07/06/11	07/06/11	% calculation	
707X-SS1_0.5-0.5 (1102883-05) Soil Sampled: 06/27/11 11:00 Received: 06/28/11 10:55										
% Solids	92			%	1	B1G0614	07/06/11	07/06/11	% calculation	
704E-SS1_0.5-0.5 (1102883-06) Soil Sampled: 06/27/11 12:30 Received: 06/28/11 10:55										
% Solids	85			%	1	B1G0614	07/06/11	07/06/11	% calculation	
707XX-SS1_0.5-0.5 (1102883-07) Soil Sampled: 06/27/11 12:45 Received: 06/28/11 10:55										
% Solids	85			%	1	B1G0614	07/06/11	07/06/11	% calculation	
238B-SS1_0.5-0.5 (1102883-08) Soil Sampled: 06/27/11 13:10 Received: 06/28/11 10:55										
% Solids	81			%	1	B1G0614	07/06/11	07/06/11	% calculation	
238B-SS2_0.5-0.5 (1102883-09) Soil Sampled: 06/27/11 13:15 Received: 06/28/11 10:55										
% Solids	84			%	1	B1G0614	07/06/11	07/06/11	% calculation	
238B-SS3_0.5-0.5 (1102883-10) Soil Sampled: 06/27/11 13:45 Received: 06/28/11 10:55										
% Solids	79			%	1	B1G0614	07/06/11	07/06/11	% calculation	
238B-SS4_0.5-0.5 (1102883-11) Soil Sampled: 06/27/11 13:50 Received: 06/28/11 10:55										
% Solids	75			%	1	B1G0614	07/06/11	07/06/11	% calculation	
239A-SS1_0.5-0.5 (1102883-12) Soil Sampled: 06/27/11 14:30 Received: 06/28/11 10:55										
% Solids	79			%	1	B1G0614	07/06/11	07/06/11	% calculation	
239A-SS2_0.5-0.5 (1102883-13) Soil Sampled: 06/27/11 14:40 Received: 06/28/11 10:55										
% Solids	81			%	1	B1G0614	07/06/11	07/06/11	% calculation	
239A-SS3_0.5-0.5 (1102883-14) Soil Sampled: 06/27/11 14:50 Received: 06/28/11 10:55										
% Solids	86			%	1	B1G0614	07/06/11	07/06/11	% calculation	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220C-SS1_1-1 (1102883-15) Soil Sampled: 06/27/11 15:30 Received: 06/28/11 10:55										
% Solids	90			%	1	B1G0614	07/06/11	07/06/11	% calculation	
220C-SS2_1-1 (1102883-16) Soil Sampled: 06/27/11 15:40 Received: 06/28/11 10:55										
% Solids	52			%	1	B1G0614	07/06/11	07/06/11	% calculation	
220C-SS3_1-1 (1102883-17) Soil Sampled: 06/27/11 15:50 Received: 06/28/11 10:55										
% Solids	94			%	1	B1G0614	07/06/11	07/06/11	% calculation	
220C-SS4_1-1 (1102883-18) Soil Sampled: 06/27/11 16:00 Received: 06/28/11 10:55										
% Solids	93			%	1	B1G0614	07/06/11	07/06/11	% calculation	
220C-SS5_1-1 (1102883-19) Soil Sampled: 06/27/11 16:10 Received: 06/28/11 10:55										
% Solids	90			%	1	B1G0614	07/06/11	07/06/11	% calculation	
M-1_0.5-0.5 (1102883-20) Soil Sampled: 06/27/11 00:00 Received: 06/28/11 10:55										
% Solids	86			%	1	B1G0614	07/06/11	07/06/11	% calculation	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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746B-SS1_0.5-0.5 (1102883-01) Soil Sampled: 06/27/11 08:20 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.12	0.39	0.045	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	0.18	0.39	0.043	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.30	0.39	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.25	0.39	0.050	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.34	0.39	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.12	0.39	0.051	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102883
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
746B-SS1_0.5-0.5 (1102883-01) Soil Sampled: 06/27/11 08:20 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	0.14	0.39	0.057	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	J
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	0.11	0.39	0.050	mg/kg dry	1	"	"	"	"	J
Carbazole	0.13	0.39	0.042	mg/kg dry	1	"	"	"	"	J
Chrysene	0.31	0.39	0.052	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.070	0.39	0.039	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.76	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	0.12	0.39	0.042	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.14	0.39	0.048	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	0.059	0.39	0.039	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.84	0.39	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	0.64	0.39	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	93.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
746B-SS2_0.5-0.5 (1102883-02) Soil Sampled: 06/27/11 08:40 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	0.040	0.35	0.033	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	J
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.045	0.35	0.039	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.20	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	0.42	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.79	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.67	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	1.0	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.47	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102883
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
746B-SS2_0.5-0.5 (1102883-02) Soil Sampled: 06/27/11 08:40 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	0.37	0.35	0.052	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	0.096	0.35	0.052	mg/kg dry	1	"	"	"	"	J
Butyl benzyl phthalate	0.24	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Carbazole	0.28	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Chrysene	0.81	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.12	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.14	0.35	0.035	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	1.7	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	0.20	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.66	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	0.041	0.35	0.035	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	1.5	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	1.5	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	87.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	84.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	87.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	88.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	93.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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22926-SS1_0.5-0.5 (1102883-03) Soil **Sampled: 06/27/11 09:35** **Received: 06/28/11 10:55**

1,2,4-Trichlorobenzene	<0.042	0.45	0.042	mg/kg dry	1	B1G0706	07/07/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.042	0.45	0.042	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.039	0.45	0.039	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.11	0.91	0.11	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.050	0.91	0.050	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.11	0.91	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.10	0.91	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.91	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.043	0.91	0.043	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.047	0.45	0.047	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.093	0.91	0.093	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.053	0.45	0.053	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.046	0.45	0.046	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.081	0.91	0.081	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.046	0.91	0.046	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.051	0.45	0.051	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.91	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.043	0.91	0.043	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.20	2.2	0.20	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.036	0.45	0.036	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.046	0.91	0.046	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.089	0.91	0.089	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.036	0.91	0.036	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.046	0.45	0.046	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.13	0.91	0.13	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.051	0.45	0.051	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.055	0.45	0.055	mg/kg dry	1	"	"	"	"	
Aniline	<0.042	0.91	0.042	mg/kg dry	1	"	"	"	"	
Anthracene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
Benzidine	<0.26	3.4	0.26	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.055	0.45	0.055	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.057	0.45	0.057	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.058	0.45	0.058	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.058	0.45	0.058	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22926-SS1_0.5-0.5 (1102883-03) Soil Sampled: 06/27/11 09:35 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.065	0.45	0.065	mg/kg dry	1	B1G0706	07/07/11	07/08/11	EPA 8270C	
Benzoic acid	<0.032	0.45	0.032	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.13	0.91	0.13	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.046	0.45	0.046	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.047	0.45	0.047	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.046	0.45	0.046	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.065	0.45	0.065	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.057	0.45	0.057	mg/kg dry	1	"	"	"	"	
Carbazole	<0.047	0.45	0.047	mg/kg dry	1	"	"	"	"	
Chrysene	<0.059	0.45	0.059	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.058	0.45	0.058	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.042	0.45	0.042	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.041	0.45	0.041	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.059	0.45	0.059	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.065	0.45	0.065	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.053	0.45	0.053	mg/kg dry	1	"	"	"	"	
Fluorene	<0.047	0.45	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.041	0.45	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.032	0.45	0.032	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.041	0.45	0.041	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.054	0.45	0.054	mg/kg dry	1	"	"	"	"	
Isophorone	<0.042	0.45	0.042	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.030	0.45	0.030	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.035	0.45	0.035	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.11	0.91	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
Phenol	<0.093	0.91	0.093	mg/kg dry	1	"	"	"	"	
Pyrene	<0.055	0.45	0.055	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	92.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22926-SS2_0.5-0.5 (1102883-04) Soil Sampled: 06/27/11 09:40 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1G0706	07/07/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22926-SS2_0.5-0.5 (1102883-04) Soil Sampled: 06/27/11 09:40 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.059	0.41	0.059	mg/kg dry	1	B1G0706	07/07/11	07/08/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	77.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	59.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	56.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	58.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707X-SS1_0.5-0.5 (1102883-05) Soil Sampled: 06/27/11 11:00 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G0706	07/07/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.14	0.36	0.041	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.28	0.36	0.039	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.56	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.51	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.65	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.27	0.36	0.047	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707X-SS1_0.5-0.5 (1102883-05) Soil Sampled: 06/27/11 11:00 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	0.30	0.36	0.052	mg/kg dry	1	B1G0706	07/07/11	07/12/11	EPA 8270C	J
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	0.16	0.36	0.038	mg/kg dry	1	"	"	"	"	J
Chrysene	0.57	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.083	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.065	0.36	0.036	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	1.3	0.36	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	0.15	0.36	0.038	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.31	0.36	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	1.1	0.36	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	1.1	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	92.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.3			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102883
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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704E-SS1_0.5-0.5 (1102883-06) Soil **Sampled: 06/27/11 12:30** **Received: 06/28/11 10:55**

1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1G0706	07/07/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.049	0.39	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.050	0.39	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
704E-SS1_0.5-0.5 (1102883-06) Soil Sampled: 06/27/11 12:30 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1G0706	07/07/11	07/08/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.075	0.39	0.046	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	0.067	0.39	0.048	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	93.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	62.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.9			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102883
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707XX-SS1_0.5-0.5 (1102883-07) Soil Sampled: 06/27/11 12:45 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1G0706	07/07/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.049	0.39	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707XX-SS1_0.5-0.5 (1102883-07) Soil Sampled: 06/27/11 12:45 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1G0706	07/07/11	07/08/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.11	0.39	0.046	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.063	0.39	0.042	mg/kg dry	1	"	"	"	"	J
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	0.088	0.39	0.048	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	84.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	58.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	59.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
238B-SS1_0.5-0.5 (1102883-08) Soil Sampled: 06/27/11 13:10 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1G0706	07/07/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
238B-SS1_0.5-0.5 (1102883-08) Soil Sampled: 06/27/11 13:10 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.059	0.41	0.059	mg/kg dry	1	B1G0706	07/07/11	07/08/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.094	0.41	0.048	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.065	0.41	0.044	mg/kg dry	1	"	"	"	"	J
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	0.081	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	92.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
238B-SS2_0.5-0.5 (1102883-09) Soil Sampled: 06/27/11 13:15 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1G0706	07/07/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.21	0.39	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.20	0.39	0.050	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.28	0.39	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.12	0.39	0.051	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
238B-SS2_0.5-0.5 (1102883-09) Soil Sampled: 06/27/11 13:15 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	0.12	0.39	0.057	mg/kg dry	1	B1G0706	07/07/11	07/08/11	EPA 8270C	J
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	0.21	0.39	0.052	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.39	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.12	0.39	0.048	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.091	0.39	0.043	mg/kg dry	1	"	"	"	"	J
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	0.37	0.39	0.049	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	91.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
238B-SS3_0.5-0.5 (1102883-10) Soil Sampled: 06/27/11 13:45 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	B1G0706	07/07/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.047	0.85	0.047	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.095	0.85	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.076	0.85	0.076	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.85	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.42	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.084	0.85	0.084	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.85	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.85	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.2	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
238B-SS3_0.5-0.5 (1102883-10) Soil Sampled: 06/27/11 13:45 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.061	0.42	0.061	mg/kg dry	1	B1G0706	07/07/11	07/08/11	EPA 8270C	
Benzoic acid	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.058	0.42	0.049	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.051	0.42	0.051	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.42	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.033	0.42	0.033	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Phenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
Pyrene	0.061	0.42	0.052	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	93.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	64.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.8			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102883
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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238B-SS4_0.5-0.5 (1102883-11) Soil **Sampled: 06/27/11 13:50** **Received: 06/28/11 10:55**

1,2,4-Trichlorobenzene	<0.049	0.52	0.049	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.052	0.52	0.052	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.057	0.52	0.057	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.049	0.52	0.049	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.046	0.52	0.046	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.12	1.1	0.12	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.058	1.1	0.058	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.13	1.1	0.13	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.12	1.1	0.12	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.13	1.1	0.13	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.050	1.1	0.050	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.055	0.52	0.055	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.11	1.1	0.11	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.061	0.52	0.061	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.054	0.52	0.054	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.095	1.1	0.095	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.057	0.52	0.057	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.054	1.1	0.054	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.060	0.52	0.060	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.13	1.1	0.13	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.050	1.1	0.050	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.24	2.5	0.24	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.043	0.52	0.043	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.054	1.1	0.054	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.052	0.52	0.052	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.10	1.1	0.10	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.043	1.1	0.043	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.057	0.52	0.057	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.054	0.52	0.054	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.15	1.1	0.15	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.060	0.52	0.060	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.065	0.52	0.065	mg/kg dry	1	"	"	"	"	
Aniline	<0.049	1.1	0.049	mg/kg dry	1	"	"	"	"	
Anthracene	<0.057	0.52	0.057	mg/kg dry	1	"	"	"	"	
Benzidine	<0.30	3.9	0.30	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.065	0.52	0.065	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.066	0.52	0.066	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.068	0.52	0.068	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.068	0.52	0.068	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
238B-SS4_0.5-0.5 (1102883-11) Soil Sampled: 06/27/11 13:50 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.076	0.52	0.076	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
Benzoic acid	<0.038	0.52	0.038	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.15	1.1	0.15	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.054	0.52	0.054	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.055	0.52	0.055	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.054	0.52	0.054	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.076	0.52	0.076	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.066	0.52	0.066	mg/kg dry	1	"	"	"	"	
Carbazole	<0.055	0.52	0.055	mg/kg dry	1	"	"	"	"	
Chrysene	<0.069	0.52	0.069	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.068	0.52	0.068	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.052	0.52	0.052	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.049	0.52	0.049	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.047	0.52	0.047	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.069	0.52	0.069	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.076	0.52	0.076	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.061	0.52	0.061	mg/kg dry	1	"	"	"	"	
Fluorene	<0.055	0.52	0.055	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.057	0.52	0.057	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.047	0.52	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.038	0.52	0.038	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.047	0.52	0.047	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.063	0.52	0.063	mg/kg dry	1	"	"	"	"	
Isophorone	<0.049	0.52	0.049	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.052	0.52	0.052	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.052	0.52	0.052	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.035	0.52	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.052	0.52	0.052	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.041	0.52	0.041	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.12	1.1	0.12	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.057	0.52	0.057	mg/kg dry	1	"	"	"	"	
Phenol	<0.11	1.1	0.11	mg/kg dry	1	"	"	"	"	
Pyrene	<0.065	0.52	0.065	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	56.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	61.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	55.5			51-99.6 %		"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102883
Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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239A-SS1_0.5-0.5 (1102883-12) Soil Sampled: 06/27/11 14:30 Received: 06/28/11 10:55

1,2,4-Trichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.047	0.85	0.047	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.095	0.85	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.076	0.85	0.076	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.85	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.42	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.084	0.85	0.084	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.85	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.85	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.2	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
239A-SS1_0.5-0.5 (1102883-12) Soil Sampled: 06/27/11 14:30 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.061	0.42	0.061	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
Benzoic acid	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.051	0.42	0.051	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.42	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.033	0.42	0.033	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Phenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
Pyrene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	90.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	62.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.8			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102883
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
239A-SS2_0.5-0.5 (1102883-13) Soil Sampled: 06/27/11 14:40 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
239A-SS2_0.5-0.5 (1102883-13) Soil Sampled: 06/27/11 14:40 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.059	0.41	0.059	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	83.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	81.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	85.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	86.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	97.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
239A-SS3_0.5-0.5 (1102883-14) Soil Sampled: 06/27/11 14:50 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
239A-SS3_0.5-0.5 (1102883-14) Soil Sampled: 06/27/11 14:50 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.056	0.38	0.056	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	66.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	67.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	75.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220C-SS1_1-1 (1102883-15) Soil Sampled: 06/27/11 15:30 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	0.081	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.21	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	1.2	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.78	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	1.2	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.40	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102883
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220C-SS1_1-1 (1102883-15) Soil Sampled: 06/27/11 15:30 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	0.46	0.37	0.053	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	0.061	0.37	0.039	mg/kg dry	1	"	"	"	"	J
Chrysene	1.1	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.11	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.24	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	2.3	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	0.040	0.37	0.039	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.61	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.40	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	2.0	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	83.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	81.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	84.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	96.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220C-SS2_1-1 (1102883-16) Soil Sampled: 06/27/11 15:40 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.060	0.63	0.060	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.063	0.63	0.063	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.069	0.63	0.069	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.060	0.63	0.060	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.056	0.63	0.056	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.15	1.3	0.15	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.071	1.3	0.071	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.15	1.3	0.15	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.14	1.3	0.14	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.15	1.3	0.15	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.062	1.3	0.062	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	0.67	0.63	0.067	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.13	1.3	0.13	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.075	0.63	0.075	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.065	0.63	0.065	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.12	1.3	0.12	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.069	0.63	0.069	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.065	1.3	0.065	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.073	0.63	0.073	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.16	1.3	0.16	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.062	1.3	0.062	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.29	3.1	0.29	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.052	0.63	0.052	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.065	1.3	0.065	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.063	0.63	0.063	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.13	1.3	0.13	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.052	1.3	0.052	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.069	0.63	0.069	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.065	0.63	0.065	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.18	1.3	0.18	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.073	0.63	0.073	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.079	0.63	0.079	mg/kg dry	1	"	"	"	"	
Aniline	<0.060	1.3	0.060	mg/kg dry	1	"	"	"	"	
Anthracene	<0.069	0.63	0.069	mg/kg dry	1	"	"	"	"	
Benzidine	<0.37	4.8	0.37	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.079	0.63	0.079	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.14	0.63	0.081	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.13	0.63	0.083	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.60	0.63	0.083	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102883
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220C-SS2_1-1 (1102883-16) Soil Sampled: 06/27/11 15:40 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.092	0.63	0.092	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
Benzoic acid	0.83	0.63	0.046	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.18	1.3	0.18	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.065	0.63	0.065	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.067	0.63	0.067	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.065	0.63	0.065	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.092	0.63	0.092	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.081	0.63	0.081	mg/kg dry	1	"	"	"	"	
Carbazole	<0.067	0.63	0.067	mg/kg dry	1	"	"	"	"	
Chrysene	0.27	0.63	0.085	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.083	0.63	0.083	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.063	0.63	0.063	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.060	0.63	0.060	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.058	0.63	0.058	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	2.5	0.63	0.085	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.092	0.63	0.092	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.075	0.63	0.075	mg/kg dry	1	"	"	"	"	
Fluorene	<0.067	0.63	0.067	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.069	0.63	0.069	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.058	0.63	0.058	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.046	0.63	0.046	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.058	0.63	0.058	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.077	0.63	0.077	mg/kg dry	1	"	"	"	"	
Isophorone	<0.060	0.63	0.060	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.063	0.63	0.063	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.063	0.63	0.063	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.042	0.63	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.063	0.63	0.063	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	0.071	0.63	0.050	mg/kg dry	1	"	"	"	"	J
Pentachlorophenol	<0.15	1.3	0.15	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.069	0.63	0.069	mg/kg dry	1	"	"	"	"	
Phenol	<0.13	1.3	0.13	mg/kg dry	1	"	"	"	"	
Pyrene	0.14	0.63	0.079	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	79.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	74.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	81.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	74.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220C-SS3_1-1 (1102883-17) Soil Sampled: 06/27/11 15:50 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	M2
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	M2
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	R5
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	M2
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	M2
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220C-SS3_1-1 (1102883-17) Soil Sampled: 06/27/11 15:50 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	M2
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.32	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	M2
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	M2
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	M2
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	R5
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	70.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	60.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	53.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	55.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	59.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	82.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220C-SS4_1-1 (1102883-18) Soil Sampled: 06/27/11 16:00 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	0.81	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	0.065	0.35	0.042	mg/kg dry	1	"	"	"	"	J
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.094	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.52	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.27	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	1.4	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220C-SS4_1-1 (1102883-18) Soil Sampled: 06/27/11 16:00 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	0.49	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.093	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	6.1	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.43	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	0.098	0.35	0.028	mg/kg dry	1	"	"	"	"	J
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	0.24	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	89.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	88.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	86.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	90.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	88.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	94.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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220C-SS5_1-1 (1102883-19) Soil **Sampled: 06/27/11 16:10** **Received: 06/28/11 10:55**

1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	0.046	0.37	0.039	mg/kg dry	1	"	"	"	"	J
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220C-SS5_1-1 (1102883-19) Soil Sampled: 06/27/11 16:10 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1G0706	07/07/11	07/09/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.15	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	78.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1_0.5-0.5 (1102883-20) Soil Sampled: 06/27/11 00:00 Received: 06/28/11 10:55										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.056	0.38	0.050	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1_0.5-0.5 (1102883-20) Soil Sampled: 06/27/11 00:00 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.056	0.38	0.056	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.091	0.38	0.045	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.052	0.38	0.042	mg/kg dry	1	"	"	"	"	J
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	0.077	0.38	0.048	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	90.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-1 (1102883-21) Water Sampled: 06/27/11 00:00 Received: 06/28/11 10:55

1,2,4-Trichlorobenzene	<0.30	10	0.30	ug/L	1	B1F2907	06/29/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.33	10	0.33	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.26	10	0.26	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.31	10	0.31	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.29	10	0.29	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.96	10	0.96	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.59	10	0.59	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.59	10	0.59	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.63	10	0.63	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.57	10	0.57	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.2	10	1.2	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.45	10	0.45	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.50	10	0.50	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.53	10	0.53	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.60	10	0.60	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.39	10	0.39	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.88	10	0.88	ug/L	1	"	"	"	"	
2-Methylphenol	<0.48	10	0.48	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.60	10	0.60	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.93	10	0.93	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.41	10	0.41	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<7.2	25	7.2	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.1	10	1.1	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<1.0	10	1.0	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.42	10	0.42	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.48	10	0.48	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.3	10	1.3	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.31	10	0.31	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.90	10	0.90	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.78	10	0.78	ug/L	1	"	"	"	"	
Acenaphthene	<0.60	10	0.60	ug/L	1	"	"	"	"	
Acenaphthylene	<0.55	10	0.55	ug/L	1	"	"	"	"	
Aniline	<1.6	10	1.6	ug/L	1	"	"	"	"	
Anthracene	<0.56	10	0.56	ug/L	1	"	"	"	"	
Benzidine	<7.6	100	7.6	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.50	10	0.50	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.41	10	0.41	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.44	10	0.44	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.46	10	0.46	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1102883-21) Water Sampled: 06/27/11 00:00 Received: 06/28/11 10:55										
Benzo(k)fluoranthene	<0.49	10	0.49	ug/L	1	B1F2907	06/29/11	06/29/11	EPA 8270C	
Benzoic acid	<0.52	10	0.52	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.2	10	1.2	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.27	10	0.27	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.22	10	0.22	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.23	10	0.23	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.81	10	0.81	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.45	10	0.45	ug/L	1	"	"	"	"	
Carbazole	<0.33	10	0.33	ug/L	1	"	"	"	"	
Chrysene	<0.61	10	0.61	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.55	10	0.55	ug/L	1	"	"	"	"	
Dibenzofuran	<0.59	10	0.59	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.30	10	0.30	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.33	10	0.33	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.39	10	0.39	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.67	10	0.67	ug/L	1	"	"	"	"	
Fluoranthene	<0.61	10	0.61	ug/L	1	"	"	"	"	
Fluorene	<0.52	10	0.52	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.40	10	0.40	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.41	10	0.41	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.35	10	0.35	ug/L	1	"	"	"	"	
Hexachloroethane	<0.33	10	0.33	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.39	10	0.39	ug/L	1	"	"	"	"	
Isophorone	<0.26	10	0.26	ug/L	1	"	"	"	"	
Naphthalene	<0.52	10	0.52	ug/L	1	"	"	"	"	
Nitrobenzene	<0.37	10	0.37	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.48	10	0.48	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.25	10	0.25	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.38	10	0.38	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.90	10	0.90	ug/L	1	"	"	"	"	
Phenanthrene	<0.35	10	0.35	ug/L	1	"	"	"	"	
Phenol	<0.41	10	0.41	ug/L	1	"	"	"	"	
Pyrene	<0.66	10	0.66	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.8			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.8			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.6			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.2			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	61.3			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	94.6			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22926-SS1_0.5-0.5 (1102883-03) Soil Sampled: 06/27/11 09:35 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G0901	07/09/11	07/09/11	EPA 1010A/ASTM D93(M)	
22926-SS2_0.5-0.5 (1102883-04) Soil Sampled: 06/27/11 09:40 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G0901	07/09/11	07/09/11	EPA 1010A/ASTM D93(M)	
707X-SS1_0.5-0.5 (1102883-05) Soil Sampled: 06/27/11 11:00 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G0901	07/09/11	07/09/11	EPA 1010A/ASTM D93(M)	
704E-SS1_0.5-0.5 (1102883-06) Soil Sampled: 06/27/11 12:30 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1108	07/11/11	07/11/11	EPA 1010A/ASTM D93(M)	
707XX-SS1_0.5-0.5 (1102883-07) Soil Sampled: 06/27/11 12:45 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1108	07/11/11	07/11/11	EPA 1010A/ASTM D93(M)	
238B-SS1_0.5-0.5 (1102883-08) Soil Sampled: 06/27/11 13:10 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1108	07/11/11	07/11/11	EPA 1010A/ASTM D93(M)	
238B-SS2_0.5-0.5 (1102883-09) Soil Sampled: 06/27/11 13:15 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1108	07/11/11	07/11/11	EPA 1010A/ASTM D93(M)	
238B-SS3_0.5-0.5 (1102883-10) Soil Sampled: 06/27/11 13:45 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1108	07/11/11	07/11/11	EPA 1010A/ASTM D93(M)	
238B-SS4_0.5-0.5 (1102883-11) Soil Sampled: 06/27/11 13:50 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1108	07/11/11	07/11/11	EPA 1010A/ASTM D93(M)	
239A-SS1_0.5-0.5 (1102883-12) Soil Sampled: 06/27/11 14:30 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1108	07/11/11	07/11/11	EPA 1010A/ASTM D93(M)	
239A-SS2_0.5-0.5 (1102883-13) Soil Sampled: 06/27/11 14:40 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1108	07/11/11	07/11/11	EPA 1010A/ASTM D93(M)	
239A-SS3_0.5-0.5 (1102883-14) Soil Sampled: 06/27/11 14:50 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1108	07/11/11	07/11/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220C-SS1_1-1 (1102883-15) Soil Sampled: 06/27/11 15:30 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1108	07/11/11	07/11/11	EPA 1010A/ASTM D93(M)	
220C-SS2_1-1 (1102883-16) Soil Sampled: 06/27/11 15:40 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1108	07/11/11	07/11/11	EPA 1010A/ASTM D93(M)	
220C-SS3_1-1 (1102883-17) Soil Sampled: 06/27/11 15:50 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1108	07/11/11	07/11/11	EPA 1010A/ASTM D93(M)	
220C-SS4_1-1 (1102883-18) Soil Sampled: 06/27/11 16:00 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1211	07/12/11	07/12/11	EPA 1010A/ASTM D93(M)	
220C-SS5_1-1 (1102883-19) Soil Sampled: 06/27/11 16:10 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1211	07/12/11	07/12/11	EPA 1010A/ASTM D93(M)	
M-1_0.5-0.5 (1102883-20) Soil Sampled: 06/27/11 00:00 Received: 06/28/11 10:55										
Flashpoint	>140			°F	1	B1G1211	07/12/11	07/12/11	EPA 1010A/ASTM D93(M)	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0113 - EPA 3050B

Blank (B1G0113-BLK1)

Prepared: 07/01/11 Analyzed: 07/05/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G0113-BS1)

Prepared: 07/01/11 Analyzed: 07/05/11

Arsenic	42.0	0.50	0.055	mg/kg wet	39.9		105	80-120			
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120			
Cadmium	40.9	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	42.0	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	42.0	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	42.2	1.0	0.095	mg/kg wet	39.9		106	80-120			
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120			

LCS Dup (B1G0113-BSD1)

Prepared: 07/01/11 Analyzed: 07/05/11

Arsenic	42.0	0.50	0.055	mg/kg wet	39.9		105	80-120	0.0196	20	
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120	0.0809	20	
Cadmium	40.7	0.25	0.033	mg/kg wet	39.9		102	80-120	0.621	20	
Chromium	41.9	0.50	0.012	mg/kg wet	39.9		105	80-120	0.211	20	
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120	0.0492	20	
Selenium	42.3	1.0	0.095	mg/kg wet	39.9		106	80-120	0.206	20	
Silver	4.02	0.25	0.016	mg/kg wet	3.99		101	80-120	1.08	20	

Matrix Spike (B1G0113-MS1)

Source: 1102883-18

Prepared: 07/01/11 Analyzed: 07/05/11

Arsenic	46.7	0.51	0.056	mg/kg dry	40.8	2.51	108	75-125			
Barium	89.2	1.0	0.061	mg/kg dry	40.8	37.2	128	75-125			M1
Cadmium	41.4	0.26	0.034	mg/kg dry	40.8	0.305	101	75-125			
Chromium	51.4	0.51	0.012	mg/kg dry	40.8	9.55	103	75-125			
Lead	126	1.0	0.14	mg/kg dry	40.8	68.9	139	75-125			M1
Selenium	41.4	1.0	0.097	mg/kg dry	40.8	<1.0	101	75-125			
Silver	3.87	0.26	0.016	mg/kg dry	4.08	<0.26	94.8	75-125			

Matrix Spike Dup (B1G0113-MSD1)

Source: 1102883-18

Prepared: 07/01/11 Analyzed: 07/05/11

Arsenic	47.7	0.54	0.059	mg/kg dry	42.7	2.51	106	75-125	2.11	20	
Barium	87.9	1.1	0.065	mg/kg dry	42.7	37.2	119	75-125	1.50	20	
Cadmium	43.4	0.27	0.035	mg/kg dry	42.7	0.305	101	75-125	4.86	20	
Chromium	52.4	0.54	0.013	mg/kg dry	42.7	9.55	100	75-125	1.81	20	
Lead	138	1.1	0.15	mg/kg dry	42.7	68.9	162	75-125	9.50	20	M1
Selenium	44.3	1.1	0.10	mg/kg dry	42.7	<1.1	104	75-125	6.73	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0113 - EPA 3050B

Matrix Spike Dup (B1G0113-MSD1)

Source: 1102883-18

Prepared: 07/01/11 Analyzed: 07/05/11

Silver	4.16	0.27	0.017	mg/kg dry	4.27	<0.27	97.4	75-125	7.31	20	
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Batch B1G0602 - EPA 200.7/3005A Digestion

Blank (B1G0602-BLK1)

Prepared & Analyzed: 07/06/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1G0602-BS1)

Prepared & Analyzed: 07/06/11

Arsenic	0.419	0.010	0.0011	mg/L	0.399		105	80-120			
Barium	0.412	0.020	0.0012	mg/L	0.399		103	80-120			
Cadmium	0.419	0.0010	0.00013	mg/L	0.399		105	80-120			
Chromium	0.426	0.010	0.00024	mg/L	0.399		107	80-120			
Lead	0.423	0.0030	0.00042	mg/L	0.399		106	80-120			
Selenium	0.413	0.020	0.0019	mg/L	0.399		104	80-120			
Silver	0.0437	0.0050	0.00031	mg/L	0.0399		109	80-120			

LCS Dup (B1G0602-BSD1)

Prepared & Analyzed: 07/06/11

Arsenic	0.411	0.010	0.0011	mg/L	0.399		103	80-120	1.83	20	
Barium	0.415	0.020	0.0012	mg/L	0.399		104	80-120	0.714	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399		103	80-120	1.38	20	
Chromium	0.419	0.010	0.00024	mg/L	0.399		105	80-120	1.65	20	
Lead	0.415	0.0030	0.00042	mg/L	0.399		104	80-120	1.84	20	
Selenium	0.408	0.020	0.0019	mg/L	0.399		102	80-120	1.16	20	
Silver	0.0425	0.0050	0.00031	mg/L	0.0399		107	80-120	2.70	20	

Matrix Spike (B1G0602-MS1)

Source: 1102988-04

Prepared & Analyzed: 07/06/11

Arsenic	0.417	0.010	0.0011	mg/L	0.399	<0.010	104	75-125			
Barium	0.416	0.020	0.0012	mg/L	0.399	<0.020	104	75-125			
Cadmium	0.415	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125			
Chromium	0.423	0.010	0.00024	mg/L	0.399	<0.010	106	75-125			
Lead	0.418	0.0030	0.00042	mg/L	0.399	<0.0030	105	75-125			
Selenium	0.409	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0429	0.0050	0.00031	mg/L	0.0399	<0.0050	107	75-125			

Matrix Spike Dup (B1G0602-MSD1)

Source: 1102988-04

Prepared & Analyzed: 07/06/11

Arsenic	0.413	0.010	0.0011	mg/L	0.399	<0.010	104	75-125	0.809	20	
Barium	0.414	0.020	0.0012	mg/L	0.399	<0.020	104	75-125	0.447	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0602 - EPA 200.7/3005A Digestion											
Matrix Spike Dup (B1G0602-MSD1)		Source: 1102988-04			Prepared & Analyzed: 07/06/11						
Cadmium	0.413	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125	0.273	20	
Chromium	0.421	0.010	0.00024	mg/L	0.399	<0.010	105	75-125	0.595	20	
Lead	0.416	0.0030	0.00042	mg/L	0.399	<0.0030	104	75-125	0.517	20	
Selenium	0.407	0.020	0.0019	mg/L	0.399	<0.020	101	75-125	0.541	20	
Silver	0.0424	0.0050	0.00031	mg/L	0.0399	<0.0050	105	75-125	1.15	20	
Batch B1G0605 - EPA 7471A											
Blank (B1G0605-BLK1)		Prepared: 07/06/11 Analyzed: 07/11/11									
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0605-BS1)		Prepared: 07/06/11 Analyzed: 07/11/11									
Mercury	0.198	0.10	0.019	mg/kg wet	0.200		99.0	80-120			
LCS Dup (B1G0605-BSD1)		Prepared: 07/06/11 Analyzed: 07/11/11									
Mercury	0.184	0.10	0.019	mg/kg wet	0.200		92.0	80-120	7.33	20	
Matrix Spike (B1G0605-MS1)		Source: 1102883-01			Prepared: 07/06/11 Analyzed: 07/11/11						
Mercury	0.249	0.12	0.023	mg/kg dry	0.227	<0.12	99.2	75-125			
Matrix Spike Dup (B1G0605-MSD1)		Source: 1102883-01			Prepared: 07/06/11 Analyzed: 07/11/11						
Mercury	0.245	0.12	0.023	mg/kg dry	0.232	<0.12	95.4	75-125	1.54	20	
Batch B1G0629 - EPA 245.1/7470A Digestion											
Blank (B1G0629-BLK1)		Prepared: 07/06/11 Analyzed: 07/07/11									
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1G0629-BS1)		Prepared: 07/06/11 Analyzed: 07/07/11									
Mercury	0.00201	0.00020	0.000037	mg/L	0.00200		100	80-120			
LCS Dup (B1G0629-BSD1)		Prepared: 07/06/11 Analyzed: 07/07/11									
Mercury	0.00176	0.00020	0.000037	mg/L	0.00200		88.0	80-120	13.3	20	
Matrix Spike (B1G0629-MS1)		Source: 1102809-01			Prepared: 07/06/11 Analyzed: 07/07/11						
Mercury	0.00217	0.00020	0.000037	mg/L	0.00200	0.000548	81.1	75-125			
Matrix Spike Dup (B1G0629-MSD1)		Source: 1102809-01			Prepared: 07/06/11 Analyzed: 07/07/11						
Mercury	0.00226	0.00020	0.000037	mg/L	0.00200	0.000548	85.6	75-125	4.06	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G0614 - General Preparation												
Duplicate (B1G0614-DUP1)							Source: 1102883-10					Prepared & Analyzed: 07/06/11
% Solids	78.0			%		79.0			1.27	20		
Duplicate (B1G0614-DUP2)							Source: 1102883-20					Prepared & Analyzed: 07/06/11
% Solids	85.0			%		86.0			1.17	20		
Duplicate (B1G0614-DUP3)							Source: 1102921-10					Prepared & Analyzed: 07/06/11
% Solids	85.0			%		84.0			1.18	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

Blank (B1F2907-BLK1)

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

Blank (B1F2907-BLK1)

Prepared & Analyzed: 06/29/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	78.8			ug/L	100		78.8	30-122			
Surrogate: 2-Fluorobiphenyl	77.5			ug/L	100		77.5	39.2-104			
Surrogate: 2-Fluorophenol	65.6			ug/L	100		65.6	30-80.1			
Surrogate: Nitrobenzene-d5	77.0			ug/L	100		77.0	51.2-103			
Surrogate: Phenol-d6	60.9			ug/L	100		60.9	30-75.3			
Surrogate: Terphenyl-d14	91.3			ug/L	100		91.3	30-116			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102883
 Date Reported: 07/18/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

LCS (B1F2907-BS1)

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	61.5	10	0.30	ug/L	100		61.5	47.4-88.7			
1,4-Dichlorobenzene	58.4	10	0.29	ug/L	100		58.4	39.5-81			
2,4-Dinitrotoluene	85.4	10	0.45	ug/L	100		85.4	67.2-99.3			
2-Chlorophenol	80.6	10	0.39	ug/L	100		80.6	56.5-85.9			
4-Chloro-3-methylphenol	88.2	10	0.48	ug/L	100		88.2	62.1-98.2			
4-Nitrophenol	83.0	10	0.78	ug/L	100		83.0	40.5-98.5			
Anthracene	89.2	10	0.56	ug/L	100		89.2	70.6-95.3			
Benzo(a)anthracene	86.4	10	0.50	ug/L	100		86.4	73.7-96.6			
Benzo(a)pyrene	87.6	10	0.41	ug/L	100		87.6	70.9-92.6			
Chrysene	87.8	10	0.61	ug/L	100		87.8	71.8-97.5			
Fluoranthene	88.2	10	0.61	ug/L	100		88.2	73.6-96.8			
Fluorene	83.9	10	0.52	ug/L	100		83.9	69.3-93.3			
N-Nitrosodi-n-propylamine	78.8	10	0.25	ug/L	100		78.8	65.9-89.3			
Pentachlorophenol	86.2	10	0.90	ug/L	100		86.2	55-107			
Phenanthrene	88.5	10	0.35	ug/L	100		88.5	72.5-97.6			
Phenol	65.6	10	0.41	ug/L	100		65.6	34.1-71.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	86.6			ug/L	100		86.6	30-122			
<i>Surrogate: 2-Fluorobiphenyl</i>	82.7			ug/L	100		82.7	39.2-104			
<i>Surrogate: 2-Fluorophenol</i>	71.0			ug/L	100		71.0	30-80.1			
<i>Surrogate: Nitrobenzene-d5</i>	82.6			ug/L	100		82.6	51.2-103			
<i>Surrogate: Phenol-d6</i>	65.4			ug/L	100		65.4	30-75.3			
<i>Surrogate: Terphenyl-d14</i>	84.1			ug/L	100		84.1	30-116			

Matrix Spike (B1F2907-MS1)

Source: 1102878-02

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	69.2	9.3	0.28	ug/L	92.6	<9.3	74.8	39.2-90.6			
1,4-Dichlorobenzene	71.7	9.3	0.27	ug/L	92.6	<9.3	77.5	34.1-81.6			
2,4-Dinitrotoluene	80.9	9.3	0.42	ug/L	92.6	<9.3	87.4	41.1-110			
2-Chlorophenol	76.3	9.3	0.36	ug/L	92.6	<9.3	82.4	30-96.4			
4-Chloro-3-methylphenol	84.3	9.3	0.44	ug/L	92.6	<9.3	91.1	30-113			
4-Nitrophenol	82.2	9.3	0.72	ug/L	92.6	<9.3	88.8	30-112			
Anthracene	83.1	9.3	0.52	ug/L	92.6	<9.3	89.8	30-119			
Benzo(a)anthracene	85.6	9.3	0.46	ug/L	92.6	<9.3	92.4	30-122			
Benzo(a)pyrene	82.3	9.3	0.38	ug/L	92.6	<9.3	88.9	30-118			
Chrysene	86.4	9.3	0.56	ug/L	92.6	<9.3	93.3	30-125			
Fluoranthene	84.1	9.3	0.56	ug/L	92.6	<9.3	90.8	31.6-119			
Fluorene	78.1	9.3	0.48	ug/L	92.6	<9.3	84.3	40.8-107			
N-Nitrosodi-n-propylamine	75.8	9.3	0.23	ug/L	92.6	<9.3	81.9	47.2-94.8			
Pentachlorophenol	86.8	9.3	0.83	ug/L	92.6	<9.3	93.7	30-130			
Phenanthrene	83.6	9.3	0.32	ug/L	92.6	<9.3	90.3	38.2-117			
Phenol	62.6	9.3	0.38	ug/L	92.6	<9.3	67.6	30-80			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

Matrix Spike (B1F2907-MS1)

Source: 1102878-02

Prepared & Analyzed: 06/29/11

Surrogate: 2,4,6-Tribromophenol	80.8			ug/L	92.6	<9.3	71.9	30-122	3.86	23.6	
Surrogate: 2-Fluorobiphenyl	74.6			ug/L	92.6	<9.3	72.9	39.2-104	6.07	22.4	
Surrogate: 2-Fluorophenol	64.6			ug/L	92.6	<9.3	84.6	30-80.1	3.27	17.2	
Surrogate: Nitrobenzene-d5	75.4			ug/L	92.6	<9.3	79.6	51.2-103	4.54	15.8	
Surrogate: Phenol-d6	60.7			ug/L	92.6	<9.3	88.4	30-75.3	2.13	19.3	
Surrogate: Terphenyl-d14	81.8			ug/L	92.6	<9.3	64.7	30-116	4.32	31.9	

Matrix Spike Dup (B1F2907-MSD1)

Source: 1102878-02

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	66.6	9.3	0.28	ug/L	92.6	<9.3	71.9	39.2-90.6	3.86	23.6	
1,4-Dichlorobenzene	67.5	9.3	0.27	ug/L	92.6	<9.3	72.9	34.1-81.6	6.07	22.4	
2,4-Dinitrotoluene	78.3	9.3	0.42	ug/L	92.6	<9.3	84.6	41.1-110	3.27	17.2	
2-Chlorophenol	73.7	9.3	0.36	ug/L	92.6	<9.3	79.6	30-96.4	3.55	23.7	
4-Chloro-3-methylphenol	81.0	9.3	0.44	ug/L	92.6	<9.3	87.5	30-113	4.02	24.1	
4-Nitrophenol	78.5	9.3	0.72	ug/L	92.6	<9.3	84.8	30-112	4.67	34.3	
Anthracene	81.6	9.3	0.52	ug/L	92.6	<9.3	88.1	30-119	1.83	24.5	
Benzo(a)anthracene	84.3	9.3	0.46	ug/L	92.6	<9.3	91.0	30-122	1.48	27.8	
Benzo(a)pyrene	81.0	9.3	0.38	ug/L	92.6	<9.3	87.5	30-118	1.60	27.1	
Chrysene	85.1	9.3	0.56	ug/L	92.6	<9.3	91.9	30-125	1.44	28	
Fluoranthene	82.6	9.3	0.56	ug/L	92.6	<9.3	89.2	31.6-119	1.75	25.9	
Fluorene	75.9	9.3	0.48	ug/L	92.6	<9.3	82.0	40.8-107	2.80	20.6	
N-Nitrosodi-n-propylamine	72.4	9.3	0.23	ug/L	92.6	<9.3	78.2	47.2-94.8	4.54	15.8	
Pentachlorophenol	85.2	9.3	0.83	ug/L	92.6	<9.3	92.0	30-130	1.85	25.5	
Phenanthrene	81.9	9.3	0.32	ug/L	92.6	<9.3	88.4	38.2-117	2.13	19.3	
Phenol	59.9	9.3	0.38	ug/L	92.6	<9.3	64.7	30-80	4.32	31.9	
Surrogate: 2,4,6-Tribromophenol	77.1			ug/L	92.6	<9.3	83.2	30-122			
Surrogate: 2-Fluorobiphenyl	72.0			ug/L	92.6	<9.3	77.7	39.2-104			
Surrogate: 2-Fluorophenol	62.0			ug/L	92.6	<9.3	67.0	30-80.1			
Surrogate: Nitrobenzene-d5	71.9			ug/L	92.6	<9.3	77.7	51.2-103			
Surrogate: Phenol-d6	57.3			ug/L	92.6	<9.3	61.9	30-75.3			
Surrogate: Terphenyl-d14	78.9			ug/L	92.6	<9.3	85.2	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0706 - EPA 3545 ASE Extraction

Blank (B1G0706-BLK1)

Prepared: 07/07/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0706 - EPA 3545 ASE Extraction

Blank (B1G0706-BLK1)

Prepared: 07/07/11 Analyzed: 07/08/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	3.70			mg/kg wet	6.67		55.5	53-107			
Surrogate: 2-Fluorobiphenyl	3.70			mg/kg wet	6.67		55.5	53.9-97.9			
Surrogate: 2-Fluorophenol	3.54			mg/kg wet	6.67		53.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.79			mg/kg wet	6.67		56.8	48.9-100			
Surrogate: Phenol-d6	3.70			mg/kg wet	6.67		55.5	50.4-99.6			
Surrogate: Terphenyl-d14	4.54			mg/kg wet	6.67		68.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0706 - EPA 3545 ASE Extraction

LCS (B1G0706-BS1)

Prepared: 07/07/11 Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.10	0.33	0.031	mg/kg wet	6.67		61.5	59.1-87.7			
1,4-Dichlorobenzene	3.66	0.33	0.029	mg/kg wet	6.67		55.0	50.3-72.9			
2,4-Dinitrotoluene	4.40	0.33	0.035	mg/kg wet	6.67		66.0	59.8-82.2			
2-Chlorophenol	4.52	0.67	0.060	mg/kg wet	6.67		67.8	59.7-77.3			
4-Chloro-3-methylphenol	4.66	0.67	0.066	mg/kg wet	6.67		69.8	63.6-80.4			
4-Nitrophenol	4.80	0.67	0.093	mg/kg wet	6.67		72.1	57.3-84.9			
Anthracene	4.94	0.33	0.036	mg/kg wet	6.67		74.1	67.3-88			
Benzo(a)anthracene	5.25	0.33	0.041	mg/kg wet	6.67		78.8	66.5-90.5			
Benzo(a)pyrene	5.37	0.33	0.042	mg/kg wet	6.67		80.5	66.1-89.7			
Chrysene	5.23	0.33	0.044	mg/kg wet	6.67		78.4	65.5-90.5			
Fluoranthene	4.97	0.33	0.039	mg/kg wet	6.67		74.5	66.7-89.9			
Fluorene	4.44	0.33	0.035	mg/kg wet	6.67		66.6	66.2-85.6			
N-Nitrosodi-n-propylamine	4.25	0.33	0.033	mg/kg wet	6.67		63.8	59.4-78			
Pentachlorophenol	5.23	0.67	0.078	mg/kg wet	6.67		78.4	46.7-83.2			
Phenanthrene	5.02	0.33	0.036	mg/kg wet	6.67		75.4	67.5-87.9			
Phenol	4.04	0.67	0.069	mg/kg wet	6.67		60.7	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.61			mg/kg wet	6.67		69.2	53-107			
Surrogate: 2-Fluorobiphenyl	3.76			mg/kg wet	6.67		56.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.62			mg/kg wet	6.67		54.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.07			mg/kg wet	6.67		61.0	48.9-100			
Surrogate: Phenol-d6	4.00			mg/kg wet	6.67		59.9	50.4-99.6			
Surrogate: Terphenyl-d14	4.30			mg/kg wet	6.67		64.5	51-99.6			

Matrix Spike (B1G0706-MS1)

Source: 1102883-17

Prepared: 07/07/11 Analyzed: 07/09/11

1,2,4-Trichlorobenzene	3.13	0.35	0.033	mg/kg dry	7.11	<0.35	43.9	44.8-97.9			M2
1,4-Dichlorobenzene	3.17	0.35	0.031	mg/kg dry	7.11	<0.35	44.6	42.3-77.9			
2,4-Dinitrotoluene	3.81	0.35	0.037	mg/kg dry	7.11	<0.35	53.6	57.3-86.6			M2
2-Chlorophenol	3.30	0.71	0.064	mg/kg dry	7.11	<0.71	46.4	43.3-93.2			
4-Chloro-3-methylphenol	3.66	0.71	0.070	mg/kg dry	7.11	<0.71	51.4	47.1-97.6			
4-Nitrophenol	3.82	0.71	0.099	mg/kg dry	7.11	<0.71	53.7	49.3-96.2			
Anthracene	4.26	0.35	0.038	mg/kg dry	7.11	<0.35	59.9	67.5-93.1			M2
Benzo(a)anthracene	4.33	0.35	0.044	mg/kg dry	7.11	<0.35	60.9	59.8-95.7			
Benzo(a)pyrene	4.00	0.35	0.045	mg/kg dry	7.11	<0.35	56.3	59.8-92.7			M2
Chrysene	4.40	0.35	0.047	mg/kg dry	7.11	<0.35	61.9	62.5-94.6			M2
Fluoranthene	4.22	0.35	0.041	mg/kg dry	7.11	<0.35	59.3	61.3-92.8			M2
Fluorene	3.90	0.35	0.037	mg/kg dry	7.11	<0.35	54.8	62.8-92.6			M2
N-Nitrosodi-n-propylamine	3.52	0.35	0.035	mg/kg dry	7.11	<0.35	49.5	46.9-89.9			
Pentachlorophenol	3.30	0.71	0.083	mg/kg dry	7.11	<0.71	46.4	40.1-95.1			
Phenanthrene	4.25	0.35	0.038	mg/kg dry	7.11	<0.35	59.8	65.2-92.2			M2
Phenol	3.39	0.71	0.073	mg/kg dry	7.11	<0.71	47.7	44.7-91			

Legend Technical Services, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0706 - EPA 3545 ASE Extraction

Matrix Spike (B1G0706-MS1)	Source: 1102883-17			Prepared: 07/07/11		Analyzed: 07/09/11					
Surrogate: 2,4,6-Tribromophenol	3.61			mg/kg dry	7.11		50.8	53-107			S-02
Surrogate: 2-Fluorobiphenyl	3.38			mg/kg dry	7.11		47.6	53.9-97.9			S-02
Surrogate: 2-Fluorophenol	3.34			mg/kg dry	7.11		46.9	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.54			mg/kg dry	7.11		49.8	48.9-100			
Surrogate: Phenol-d6	3.47			mg/kg dry	7.11		48.8	50.4-99.6			S-02
Surrogate: Terphenyl-d14	3.86			mg/kg dry	7.11		54.3	51-99.6			

Matrix Spike Dup (B1G0706-MSD1)	Source: 1102883-17			Prepared: 07/07/11		Analyzed: 07/09/11					
1,2,4-Trichlorobenzene	3.74	0.35	0.033	mg/kg dry	7.19	<0.35	52.0	44.8-97.9	17.9	19.6	
1,4-Dichlorobenzene	3.68	0.35	0.031	mg/kg dry	7.19	<0.35	51.2	42.3-77.9	14.8	22.4	
2,4-Dinitrotoluene	4.47	0.35	0.037	mg/kg dry	7.19	<0.35	62.2	57.3-86.6	16.0	19.5	
2-Chlorophenol	3.93	0.71	0.064	mg/kg dry	7.19	<0.71	54.7	43.3-93.2	17.5	23.7	
4-Chloro-3-methylphenol	4.48	0.71	0.070	mg/kg dry	7.19	<0.71	62.3	47.1-97.6	20.2	18.3	R5
4-Nitrophenol	4.63	0.71	0.099	mg/kg dry	7.19	<0.71	64.4	49.3-96.2	19.2	20.4	
Anthracene	5.02	0.35	0.038	mg/kg dry	7.19	<0.35	69.9	67.5-93.1	16.5	19.9	
Benzo(a)anthracene	5.17	0.35	0.044	mg/kg dry	7.19	<0.35	71.9	59.8-95.7	17.6	23.4	
Benzo(a)pyrene	4.83	0.35	0.045	mg/kg dry	7.19	<0.35	67.2	59.8-92.7	18.7	21.1	
Chrysene	5.27	0.35	0.047	mg/kg dry	7.19	<0.35	73.3	62.5-94.6	18.0	24.8	
Fluoranthene	5.06	0.35	0.041	mg/kg dry	7.19	<0.35	70.4	61.3-92.8	18.2	21.8	
Fluorene	4.58	0.35	0.037	mg/kg dry	7.19	<0.35	63.7	62.8-92.6	16.0	17.6	
N-Nitrosodi-n-propylamine	4.22	0.35	0.035	mg/kg dry	7.19	<0.35	58.7	46.9-89.9	18.1	18.9	
Pentachlorophenol	4.00	0.71	0.083	mg/kg dry	7.19	<0.71	55.7	40.1-95.1	19.3	19.7	
Phenanthrene	5.00	0.35	0.038	mg/kg dry	7.19	<0.35	69.5	65.2-92.2	16.1	20.5	
Phenol	4.06	0.71	0.073	mg/kg dry	7.19	<0.71	56.5	44.7-91	18.0	17.9	R5
Surrogate: 2,4,6-Tribromophenol	4.33			mg/kg dry	7.19		60.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.13			mg/kg dry	7.19		57.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.99			mg/kg dry	7.19		55.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.24			mg/kg dry	7.19		59.0	48.9-100			
Surrogate: Phenol-d6	4.18			mg/kg dry	7.19		58.1	50.4-99.6			
Surrogate: Terphenyl-d14	4.62			mg/kg dry	7.19		64.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Blank (B1G0802-BLK1)

Prepared: 07/08/11 Analyzed: 07/11/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Blank (B1G0802-BLK1)

Prepared: 07/08/11 Analyzed: 07/11/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.57			mg/kg wet	6.67		68.6	53-107			
Surrogate: 2-Fluorobiphenyl	3.77			mg/kg wet	6.67		56.6	53.9-97.9			
Surrogate: 2-Fluorophenol	3.77			mg/kg wet	6.67		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.09			mg/kg wet	6.67		61.4	48.9-100			
Surrogate: Phenol-d6	4.20			mg/kg wet	6.67		63.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.23			mg/kg wet	6.67		63.4	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102883
 Date Reported: 07/18/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

LCS (B1G0802-BS1)

Prepared: 07/08/11 Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.64	0.33	0.031	mg/kg wet	6.67		69.6	59.1-87.7			
1,4-Dichlorobenzene	4.28	0.33	0.029	mg/kg wet	6.67		64.2	50.3-72.9			
2,4-Dinitrotoluene	4.85	0.33	0.035	mg/kg wet	6.67		72.7	59.8-82.2			
2-Chlorophenol	4.76	0.67	0.060	mg/kg wet	6.67		71.4	59.7-77.3			
4-Chloro-3-methylphenol	4.86	0.67	0.066	mg/kg wet	6.67		72.9	63.6-80.4			
4-Nitrophenol	4.91	0.67	0.093	mg/kg wet	6.67		73.7	57.3-84.9			
Anthracene	5.07	0.33	0.036	mg/kg wet	6.67		76.1	67.3-88			
Benzo(a)anthracene	5.47	0.33	0.041	mg/kg wet	6.67		82.1	66.5-90.5			
Benzo(a)pyrene	5.56	0.33	0.042	mg/kg wet	6.67		83.4	66.1-89.7			
Chrysene	5.46	0.33	0.044	mg/kg wet	6.67		81.9	65.5-90.5			
Fluoranthene	5.16	0.33	0.039	mg/kg wet	6.67		77.5	66.7-89.9			
Fluorene	4.69	0.33	0.035	mg/kg wet	6.67		70.4	66.2-85.6			
N-Nitrosodi-n-propylamine	4.85	0.33	0.033	mg/kg wet	6.67		72.7	59.4-78			
Pentachlorophenol	5.10	0.67	0.078	mg/kg wet	6.67		76.6	46.7-83.2			
Phenanthrene	5.18	0.33	0.036	mg/kg wet	6.67		77.6	67.5-87.9			
Phenol	4.17	0.67	0.069	mg/kg wet	6.67		62.6	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.28			mg/kg wet	6.67		79.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.34			mg/kg wet	6.67		65.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.38			mg/kg wet	6.67		65.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.70			mg/kg wet	6.67		70.5	48.9-100			
Surrogate: Phenol-d6	4.80			mg/kg wet	6.67		71.9	50.4-99.6			
Surrogate: Terphenyl-d14	4.85			mg/kg wet	6.67		72.8	51-99.6			

Matrix Spike (B1G0802-MS1)

Source: 1102919-02

Prepared: 07/08/11 Analyzed: 07/09/11

1,2,4-Trichlorobenzene	4.24	0.34	0.032	mg/kg dry	6.94	<0.34	61.1	44.8-97.9			
1,4-Dichlorobenzene	3.81	0.34	0.030	mg/kg dry	6.94	<0.34	55.0	42.3-77.9			
2,4-Dinitrotoluene	4.74	0.34	0.036	mg/kg dry	6.94	<0.34	68.3	57.3-86.6			
2-Chlorophenol	4.12	0.70	0.062	mg/kg dry	6.94	<0.70	59.4	43.3-93.2			
4-Chloro-3-methylphenol	4.57	0.70	0.069	mg/kg dry	6.94	<0.70	66.0	47.1-97.6			
4-Nitrophenol	4.56	0.70	0.097	mg/kg dry	6.94	<0.70	65.8	49.3-96.2			
Anthracene	5.06	0.34	0.038	mg/kg dry	6.94	<0.34	73.0	67.5-93.1			
Benzo(a)anthracene	5.37	0.34	0.043	mg/kg dry	6.94	<0.34	77.4	59.8-95.7			
Benzo(a)pyrene	5.21	0.34	0.044	mg/kg dry	6.94	<0.34	75.1	59.8-92.7			
Chrysene	5.35	0.34	0.046	mg/kg dry	6.94	<0.34	77.1	62.5-94.6			
Fluoranthene	4.99	0.34	0.041	mg/kg dry	6.94	<0.34	72.0	61.3-92.8			
Fluorene	4.61	0.34	0.036	mg/kg dry	6.94	<0.34	66.4	62.8-92.6			
N-Nitrosodi-n-propylamine	4.46	0.34	0.034	mg/kg dry	6.94	<0.34	64.3	46.9-89.9			
Pentachlorophenol	4.90	0.70	0.081	mg/kg dry	6.94	<0.70	70.6	40.1-95.1			
Phenanthrene	5.17	0.34	0.038	mg/kg dry	6.94	<0.34	74.6	65.2-92.2			
Phenol	3.68	0.70	0.072	mg/kg dry	6.94	<0.70	53.1	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Matrix Spike (B1G0802-MS1)

Source: 1102919-02

Prepared: 07/08/11

Analyzed: 07/09/11

Surrogate: 2,4,6-Tribromophenol	5.68			mg/kg dry	6.94		81.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.00			mg/kg dry	6.94		57.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.92			mg/kg dry	6.94		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.23			mg/kg dry	6.94		61.0	48.9-100			
Surrogate: Phenol-d6	4.37			mg/kg dry	6.94		63.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.79			mg/kg dry	6.94		69.1	51-99.6			

Matrix Spike Dup (B1G0802-MSD1)

Source: 1102919-02

Prepared: 07/08/11

Analyzed: 07/09/11

1,2,4-Trichlorobenzene	4.32	0.34	0.032	mg/kg dry	6.95	<0.34	62.2	44.8-97.9	2.06	19.6	
1,4-Dichlorobenzene	3.89	0.34	0.030	mg/kg dry	6.95	<0.34	56.0	42.3-77.9	2.04	22.4	
2,4-Dinitrotoluene	5.16	0.34	0.036	mg/kg dry	6.95	<0.34	74.3	57.3-86.6	8.64	19.5	
2-Chlorophenol	4.25	0.70	0.062	mg/kg dry	6.95	<0.70	61.2	43.3-93.2	3.14	23.7	
4-Chloro-3-methylphenol	4.99	0.70	0.069	mg/kg dry	6.95	<0.70	71.8	47.1-97.6	8.69	18.3	
4-Nitrophenol	5.03	0.70	0.097	mg/kg dry	6.95	<0.70	72.4	49.3-96.2	9.73	20.4	
Anthracene	5.52	0.34	0.038	mg/kg dry	6.95	<0.34	79.4	67.5-93.1	8.66	19.9	
Benzo(a)anthracene	5.74	0.34	0.043	mg/kg dry	6.95	<0.34	82.6	59.8-95.7	6.71	23.4	
Benzo(a)pyrene	5.60	0.34	0.044	mg/kg dry	6.95	<0.34	80.5	59.8-92.7	7.23	21.1	
Chrysene	5.72	0.34	0.046	mg/kg dry	6.95	<0.34	82.4	62.5-94.6	6.77	24.8	
Fluoranthene	5.47	0.34	0.041	mg/kg dry	6.95	<0.34	78.8	61.3-92.8	9.22	21.8	
Fluorene	5.04	0.34	0.036	mg/kg dry	6.95	<0.34	72.5	62.8-92.6	8.92	17.6	
N-Nitrosodi-n-propylamine	4.69	0.34	0.034	mg/kg dry	6.95	<0.34	67.5	46.9-89.9	5.16	18.9	
Pentachlorophenol	5.32	0.70	0.081	mg/kg dry	6.95	<0.70	76.5	40.1-95.1	8.27	19.7	
Phenanthrene	5.64	0.34	0.038	mg/kg dry	6.95	<0.34	81.2	65.2-92.2	8.69	20.5	
Phenol	3.81	0.70	0.072	mg/kg dry	6.95	<0.70	54.8	44.7-91	3.35	17.9	
Surrogate: 2,4,6-Tribromophenol	6.22			mg/kg dry	6.95		89.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.29			mg/kg dry	6.95		61.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.01			mg/kg dry	6.95		57.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.37			mg/kg dry	6.95		62.9	48.9-100			
Surrogate: Phenol-d6	4.53			mg/kg dry	6.95		65.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.05			mg/kg dry	6.95		72.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102883 Date Reported: 07/18/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0901 - General Prep											
Duplicate (B1G0901-DUP1)		Source: 1102879-06		Prepared & Analyzed: 07/09/11							
Flashpoint	>140			°F		0.00				5	
Reference (B1G0901-SRM1)				Prepared & Analyzed: 07/09/11							
Flashpoint	78.0			°F	78.0		100	97.4-102.6			
Batch B1G1108 - General Prep											
Duplicate (B1G1108-DUP1)		Source: 1102883-06		Prepared & Analyzed: 07/11/11							
Flashpoint	0.00			°F		>140				5	
Reference (B1G1108-SRM1)				Prepared & Analyzed: 07/11/11							
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			
Batch B1G1211 - General Prep											
Duplicate (B1G1211-DUP1)		Source: 1102883-18		Prepared & Analyzed: 07/12/11							
Flashpoint	>140			°F		>140				5	
Reference (B1G1211-SRM1)				Prepared & Analyzed: 07/12/11							
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102883
Date Reported: 07/18/11

Notes and Definitions

S-02 Surrogate recovery outside of laboratory acceptance limits.
R5 MS/MSD RPD exceeded the laboratory acceptance limit. Recoveries met acceptance criteria.
M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Location	Start Depth	Stop Depth	Depth Unit	Collection Date	Collection Time	Matrix			On Ice?	Date	Time	Received by	Date	Time
						Water	Soil	Comp						
7468-551	0.5	0.5	FT	6/27/11	8:20	X	X	X	N	6/28/11	05:30	WST Schripke	6/29/11	10:55
7468-552	0.5	0.5			8:40	X	X	X	N					
22926-551	0.5	0.5			9:35	X	X	X	N					
22926-552	0.5	0.5			9:40	X	X	X	N					
707X-551	0.5	0.5			11:00	X	X	X	N					
746E-551	0.5	0.5			12:50	X	X	X	N					
746E-551	0.5	0.5			12:55	X	X	X	N					
746B-551	0.5	0.5			13:10	X	X	X	N					
746B-552	0.5	0.5			13:15	X	X	X	N					
746B-553	0.5	0.5			13:45	X	X	X	N					

Chain of Custody		COC Number: NO 36467
Project Number: 23/19-1092-46RE 510	1102683	
Project Name: Union Rd - ABC LMA		
Sample Origination State: MN (use two letter postal state abbreviation)		
COC Number: 36467		

Number of Containers/Preservative		Total Number of Containers
Water		
VOCs (HCL) #1		
VOCs (tared MeOH) #1		
GRG, BTEX (tared MeOH) #2		
DRO (tared unpreserved)		
Metals (unpreserved) #2		
SVOCS (unpreserved) #2		
Soil		
SVOCS (unpreserved) #2		
Metals (unpreserved) #2		
SVOCS (unpreserved) #2		
Solid (plastic vial, unpres.)		

Project Manager: JME
 Project COC Contact: AAN
 Sampled by: ADX/AMB
 Laboratory: Legend

Analyte: BTEX, SVOCs
 Analyte: BTEX, SVOCs, and Fluoride

Requisitioned By: WST Schripke
 Requisitioned By: [Signature]

Samples Shipped Via: Air Freight Federal Express Sampler Other

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Free Bubble RF 1126083

BARR
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRG, TPH, 8060 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicides/Pesticides/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

LEGEND

Technical Services, Inc.

www.legend-group.com

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St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
BARR (952) 832-2600

Project Number: 2319-1092 48RI 510
Project Name: U Move East - ABC Line
Sample Origin/State: M N (use two letter postal state abbreviation)

1102883

NO 36466

COC 2 of 3

Project Manager: JME
Project QC Contact: AAN
Sampled by: ADN/AMB
Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Ice?	Date	Time	Number of Containers/Preservative														
						Water	Soil				Total Number of Containers														
						Water	Soil	Y			VOCs (HCl) #1	Dissolved Metals (HNO3)	Total Metals (HNO3)	General Range Organics (HCl)	Nutrients (H3SO4) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #3	% Solids (plastic vial, unpres.)				
1. 238B-SS4	0.5	0.5	ft	06/27/2011	15:50	X	X	X	06/27/2011	0530															
2. 239A-SS1	0.5	0.5	ft	06/27/2011	14:30	X	X	X	06/27/2011	0530															
3. 239A-SS2	0.5	0.5	ft	06/27/2011	14:40	X	X	X	06/27/2011	0530															
4. 239A-SS3	0.5	0.5	ft	06/27/2011	14:50	X	X	X	06/27/2011	0530															
5. 202C-SS1	1	1		06/27/2011	15:30	X	X	X	06/27/2011	0530															
6. 202C-SS2	1	1		06/27/2011	15:40	X	X	X	06/27/2011	0530															
7. 202C-SS3	1	1		06/27/2011	15:50	X	X	X	06/27/2011	0530															
8. 202C-SS4	1	1		06/27/2011	16:00	X	X	X	06/27/2011	0530															
9. 202C-SS5	1	1		06/27/2011	16:10	X	X	X	06/27/2011	0530															
10. M-1	0.5	0.5	ft	06/27/2011	-	X	X	X	06/27/2011	0530															

Refrigerated By: Jack Schupke Date: 06/27/2011 Time: 0530

Relinquished By: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

Received by: 1517 Date: 6/27/11 Time: 10:55

Air Bill Number: _____

Sample Shipped Via: Air Freight Federal Express Sampler
 Other: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRG, TPH, B550 Full List

#2 - Semivolatile Organics = PAHs, PCP, Dioxins, B270 Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Ice bubble 2A
No temp BLK

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

1102683

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR

Project Number: 73/19-1092 488E S10
Project Name: Unrec RS-ABC Loc
Sample Origin/State: MN (use two letter postal state abbreviation)
COC Number: NO 36468

Project Manager: JME
Project QC Contact: AAN
Sampled by: ADD/AMB
Laboratory: Legend

COC 3 of 3

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix	Matrix Type		Collection Date	Collection Time	On Ice?	Date	Time	Received by:	Date	Time
							%	Type								
1. FB-1	-	-	-	6/27/11	-	X		X				6/27/11	10:55	AS	6/27/11	10:55
2.																
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

Relinquished By: Just Sample Date: 6/27/11 Time: 10:55
Retinquished By: _____ Date: _____ Time: _____

Samples Shipped VIA: Air Freight Federal Express Sampler
 Other: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GRO, TPH, 8060 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
See Bubble 2R
No temp BLK



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 14, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102919
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/29/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102919 Date Reported: 07/14/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A3-SS1_0.5-0.5	1102919-01	Soil	06/28/11 10:00	06/29/11 10:30
A3-SS2_0.5-0.5	1102919-02	Soil	06/28/11 09:30	06/29/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 4.7

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102919 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A3-SS1_0.5-0.5 (1102919-01) Soil Sampled: 06/28/11 10:00 Received: 06/29/11 10:30										
Arsenic	6.9	0.67	0.073	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	150	1.3	0.080	mg/kg dry	1	"	"	"	"	
Cadmium	<0.33	0.33	0.044	mg/kg dry	1	"	"	"	"	
Chromium	20	0.67	0.016	mg/kg dry	1	"	"	"	"	
Lead	12	1.3	0.19	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.3	1.3	0.13	mg/kg dry	1	B1F3006	06/30/11	07/01/11	EPA 6010B	
Silver	<0.33	0.33	0.021	mg/kg dry	1	"	"	06/30/11	"	
A3-SS2_0.5-0.5 (1102919-02) Soil Sampled: 06/28/11 09:30 Received: 06/29/11 10:30										
Arsenic	2.3	0.52	0.057	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	29	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.7	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	4.6	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.091	0.091	0.017	mg/kg dry	1	B1G0101	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1F3006	06/30/11	07/01/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	06/30/11	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102919 Date Reported: 07/14/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A3-SS1_0.5-0.5 (1102919-01) Soil Sampled: 06/28/11 10:00 Received: 06/29/11 10:30										
% Solids	75			%	1	B1G0514	07/05/11	07/06/11	% calculation	
A3-SS2_0.5-0.5 (1102919-02) Soil Sampled: 06/28/11 09:30 Received: 06/29/11 10:30										
% Solids	96			%	1	B1G0514	07/05/11	07/06/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102919 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A3-SS1_0.5-0.5 (1102919-01) Soil Sampled: 06/28/11 10:00 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.041	0.44	0.041	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.041	0.44	0.041	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	0.048	0.44	0.039	mg/kg dry	1	"	"	"	"	J
2,3,4,6-Tetrachlorophenol	<0.10	0.89	0.10	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.049	0.89	0.049	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.11	0.89	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.10	0.89	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.89	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.043	0.89	0.043	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.092	0.89	0.092	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.052	0.44	0.052	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.080	0.89	0.080	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.045	0.89	0.045	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.051	0.44	0.051	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.89	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.043	0.89	0.043	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.20	2.1	0.20	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.036	0.44	0.036	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.045	0.89	0.045	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.088	0.89	0.088	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.036	0.89	0.036	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.89	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.051	0.44	0.051	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.055	0.44	0.055	mg/kg dry	1	"	"	"	"	
Aniline	<0.041	0.89	0.041	mg/kg dry	1	"	"	"	"	
Anthracene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
Benzidine	<0.25	3.3	0.25	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.055	0.44	0.055	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.056	0.44	0.056	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.057	0.44	0.057	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.057	0.44	0.057	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102919 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A3-SS1_0.5-0.5 (1102919-01) Soil Sampled: 06/28/11 10:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.064	0.44	0.064	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
Benzoic acid	<0.032	0.44	0.032	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.13	0.89	0.13	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.064	0.44	0.064	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.056	0.44	0.056	mg/kg dry	1	"	"	"	"	
Carbazole	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
Chrysene	<0.059	0.44	0.059	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.057	0.44	0.057	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.041	0.44	0.041	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.040	0.44	0.040	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.059	0.44	0.059	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.064	0.44	0.064	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.052	0.44	0.052	mg/kg dry	1	"	"	"	"	
Fluorene	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.040	0.44	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.032	0.44	0.032	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.040	0.44	0.040	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.053	0.44	0.053	mg/kg dry	1	"	"	"	"	
Isophorone	<0.041	0.44	0.041	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.029	0.44	0.029	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.035	0.44	0.035	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.10	0.89	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
Phenol	<0.092	0.89	0.092	mg/kg dry	1	"	"	"	"	
Pyrene	<0.055	0.44	0.055	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	96.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	64.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102919 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A3-SS2_0.5-0.5 (1102919-02) Soil Sampled: 06/28/11 09:30 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102919 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A3-SS2_0.5-0.5 (1102919-02) Soil Sampled: 06/28/11 09:30 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	85.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	62.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102919 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3006 - EPA 3050B

Blank (B1F3006-BLK1)

Prepared & Analyzed: 06/30/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1F3006-BS1)

Prepared & Analyzed: 06/30/11

Arsenic	43.1	0.50	0.055	mg/kg wet	39.9		108	80-120			
Barium	42.7	1.0	0.060	mg/kg wet	39.9		107	80-120			
Cadmium	42.2	0.25	0.033	mg/kg wet	39.9		106	80-120			
Chromium	42.9	0.50	0.012	mg/kg wet	39.9		107	80-120			
Lead	42.4	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	43.3	1.0	0.095	mg/kg wet	39.9		109	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1F3006-BSD1)

Prepared & Analyzed: 06/30/11

Arsenic	42.5	0.50	0.055	mg/kg wet	39.9		107	80-120	1.40	20	
Barium	42.2	1.0	0.060	mg/kg wet	39.9		106	80-120	1.25	20	
Cadmium	41.4	0.25	0.033	mg/kg wet	39.9		104	80-120	1.87	20	
Chromium	42.3	0.50	0.012	mg/kg wet	39.9		106	80-120	1.33	20	
Lead	41.7	1.0	0.14	mg/kg wet	39.9		105	80-120	1.59	20	
Selenium	42.7	1.0	0.095	mg/kg wet	39.9		107	80-120	1.56	20	
Silver	4.03	0.25	0.016	mg/kg wet	3.99		101	80-120	3.10	20	

Matrix Spike (B1F3006-MS1)

Source: 1102864-01

Prepared & Analyzed: 06/30/11

Arsenic	50.7	0.57	0.063	mg/kg dry	45.6	5.26	99.5	75-125			
Barium	116	1.1	0.069	mg/kg dry	45.6	71.3	97.1	75-125			
Cadmium	45.2	0.29	0.038	mg/kg dry	45.6	<0.29	98.7	75-125			
Chromium	59.1	0.57	0.014	mg/kg dry	45.6	13.7	99.4	75-125			
Lead	53.5	1.1	0.16	mg/kg dry	45.6	11.9	91.1	75-125			
Selenium	46.0	1.1	0.11	mg/kg dry	45.6	<1.1	100	75-125			
Silver	4.23	0.29	0.018	mg/kg dry	4.56	<0.29	92.7	75-125			

Matrix Spike Dup (B1F3006-MSD1)

Source: 1102864-01

Prepared & Analyzed: 06/30/11

Arsenic	50.9	0.57	0.063	mg/kg dry	45.0	5.26	101	75-125	0.486	20	
Barium	122	1.1	0.069	mg/kg dry	45.0	71.3	112	75-125	5.19	20	
Cadmium	45.0	0.29	0.038	mg/kg dry	45.0	<0.29	99.7	75-125	0.329	20	
Chromium	60.5	0.57	0.014	mg/kg dry	45.0	13.7	104	75-125	2.31	20	
Lead	53.6	1.1	0.16	mg/kg dry	45.0	11.9	92.4	75-125	0.0836	20	
Selenium	46.0	1.1	0.11	mg/kg dry	45.0	<1.1	102	75-125	0.0223	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102919 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F3006 - EPA 3050B											
Matrix Spike Dup (B1F3006-MSD1)			Source: 1102864-01			Prepared & Analyzed: 06/30/11					
Silver	4.14	0.29	0.018	mg/kg dry	4.50	<0.29	91.8	75-125	2.30	20	
Batch B1G0101 - EPA 7471A											
Blank (B1G0101-BLK1)			Prepared: 07/01/11 Analyzed: 07/06/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0101-BS1)			Prepared: 07/01/11 Analyzed: 07/06/11								
Mercury	0.209	0.10	0.019	mg/kg wet	0.200		104	80-120			
LCS Dup (B1G0101-BSD1)			Prepared: 07/01/11 Analyzed: 07/06/11								
Mercury	0.204	0.10	0.019	mg/kg wet	0.200		102	80-120	2.42	20	
Matrix Spike (B1G0101-MS1)			Source: 1102846-01			Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.246	0.11	0.021	mg/kg dry	0.219	<0.11	102	75-125			
Matrix Spike Dup (B1G0101-MSD1)			Source: 1102846-01			Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.246	0.11	0.021	mg/kg dry	0.219	<0.11	102	75-125	0.0377	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102919 Date Reported: 07/14/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0514 - General Preparation											
Duplicate (B1G0514-DUP1)							Source: 1102879-06				Prepared: 07/05/11 Analyzed: 07/06/11
% Solids	85.0			%		85.0			0.00	20	
Duplicate (B1G0514-DUP2)							Source: 1102886-01				Prepared: 07/05/11 Analyzed: 07/06/11
% Solids	83.0			%		82.0			1.21	20	
Duplicate (B1G0514-DUP3)							Source: 1102919-02				Prepared: 07/05/11 Analyzed: 07/06/11
% Solids	96.0			%		96.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102919 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Blank (B1G0802-BLK1)

Prepared: 07/08/11 Analyzed: 07/11/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102919 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Blank (B1G0802-BLK1)

Prepared: 07/08/11 Analyzed: 07/11/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.57			mg/kg wet	6.67		68.6	53-107			
Surrogate: 2-Fluorobiphenyl	3.77			mg/kg wet	6.67		56.6	53.9-97.9			
Surrogate: 2-Fluorophenol	3.77			mg/kg wet	6.67		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.09			mg/kg wet	6.67		61.4	48.9-100			
Surrogate: Phenol-d6	4.20			mg/kg wet	6.67		63.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.23			mg/kg wet	6.67		63.4	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092-48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102919
 Date Reported: 07/14/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

LCS (B1G0802-BS1)

Prepared: 07/08/11 Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.64	0.33	0.031	mg/kg wet	6.67		69.6	59.1-87.7			
1,4-Dichlorobenzene	4.28	0.33	0.029	mg/kg wet	6.67		64.2	50.3-72.9			
2,4-Dinitrotoluene	4.85	0.33	0.035	mg/kg wet	6.67		72.7	59.8-82.2			
2-Chlorophenol	4.76	0.67	0.060	mg/kg wet	6.67		71.4	59.7-77.3			
4-Chloro-3-methylphenol	4.86	0.67	0.066	mg/kg wet	6.67		72.9	63.6-80.4			
4-Nitrophenol	4.91	0.67	0.093	mg/kg wet	6.67		73.7	57.3-84.9			
Anthracene	5.07	0.33	0.036	mg/kg wet	6.67		76.1	67.3-88			
Benzo(a)anthracene	5.47	0.33	0.041	mg/kg wet	6.67		82.1	66.5-90.5			
Benzo(a)pyrene	5.56	0.33	0.042	mg/kg wet	6.67		83.4	66.1-89.7			
Chrysene	5.46	0.33	0.044	mg/kg wet	6.67		81.9	65.5-90.5			
Fluoranthene	5.16	0.33	0.039	mg/kg wet	6.67		77.5	66.7-89.9			
Fluorene	4.69	0.33	0.035	mg/kg wet	6.67		70.4	66.2-85.6			
N-Nitrosodi-n-propylamine	4.85	0.33	0.033	mg/kg wet	6.67		72.7	59.4-78			
Pentachlorophenol	5.10	0.67	0.078	mg/kg wet	6.67		76.6	46.7-83.2			
Phenanthrene	5.18	0.33	0.036	mg/kg wet	6.67		77.6	67.5-87.9			
Phenol	4.17	0.67	0.069	mg/kg wet	6.67		62.6	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.28			mg/kg wet	6.67		79.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.34			mg/kg wet	6.67		65.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.38			mg/kg wet	6.67		65.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.70			mg/kg wet	6.67		70.5	48.9-100			
Surrogate: Phenol-d6	4.80			mg/kg wet	6.67		71.9	50.4-99.6			
Surrogate: Terphenyl-d14	4.85			mg/kg wet	6.67		72.8	51-99.6			

Matrix Spike (B1G0802-MS1)

Source: 1102919-02

Prepared: 07/08/11 Analyzed: 07/09/11

1,2,4-Trichlorobenzene	4.24	0.34	0.032	mg/kg dry	6.94	<0.34	61.1	44.8-97.9			
1,4-Dichlorobenzene	3.81	0.34	0.030	mg/kg dry	6.94	<0.34	55.0	42.3-77.9			
2,4-Dinitrotoluene	4.74	0.34	0.036	mg/kg dry	6.94	<0.34	68.3	57.3-86.6			
2-Chlorophenol	4.12	0.70	0.062	mg/kg dry	6.94	<0.70	59.4	43.3-93.2			
4-Chloro-3-methylphenol	4.57	0.70	0.069	mg/kg dry	6.94	<0.70	66.0	47.1-97.6			
4-Nitrophenol	4.56	0.70	0.097	mg/kg dry	6.94	<0.70	65.8	49.3-96.2			
Anthracene	5.06	0.34	0.038	mg/kg dry	6.94	<0.34	73.0	67.5-93.1			
Benzo(a)anthracene	5.37	0.34	0.043	mg/kg dry	6.94	<0.34	77.4	59.8-95.7			
Benzo(a)pyrene	5.21	0.34	0.044	mg/kg dry	6.94	<0.34	75.1	59.8-92.7			
Chrysene	5.35	0.34	0.046	mg/kg dry	6.94	<0.34	77.1	62.5-94.6			
Fluoranthene	4.99	0.34	0.041	mg/kg dry	6.94	<0.34	72.0	61.3-92.8			
Fluorene	4.61	0.34	0.036	mg/kg dry	6.94	<0.34	66.4	62.8-92.6			
N-Nitrosodi-n-propylamine	4.46	0.34	0.034	mg/kg dry	6.94	<0.34	64.3	46.9-89.9			
Pentachlorophenol	4.90	0.70	0.081	mg/kg dry	6.94	<0.70	70.6	40.1-95.1			
Phenanthrene	5.17	0.34	0.038	mg/kg dry	6.94	<0.34	74.6	65.2-92.2			
Phenol	3.68	0.70	0.072	mg/kg dry	6.94	<0.70	53.1	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102919 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Matrix Spike (B1G0802-MS1)

Source: 1102919-02

Prepared: 07/08/11

Analyzed: 07/09/11

Surrogate: 2,4,6-Tribromophenol	5.68			mg/kg dry	6.94		81.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.00			mg/kg dry	6.94		57.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.92			mg/kg dry	6.94		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.23			mg/kg dry	6.94		61.0	48.9-100			
Surrogate: Phenol-d6	4.37			mg/kg dry	6.94		63.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.79			mg/kg dry	6.94		69.1	51-99.6			

Matrix Spike Dup (B1G0802-MSD1)

Source: 1102919-02

Prepared: 07/08/11

Analyzed: 07/09/11

1,2,4-Trichlorobenzene	4.32	0.34	0.032	mg/kg dry	6.95	<0.34	62.2	44.8-97.9	2.06	19.6	
1,4-Dichlorobenzene	3.89	0.34	0.030	mg/kg dry	6.95	<0.34	56.0	42.3-77.9	2.04	22.4	
2,4-Dinitrotoluene	5.16	0.34	0.036	mg/kg dry	6.95	<0.34	74.3	57.3-86.6	8.64	19.5	
2-Chlorophenol	4.25	0.70	0.062	mg/kg dry	6.95	<0.70	61.2	43.3-93.2	3.14	23.7	
4-Chloro-3-methylphenol	4.99	0.70	0.069	mg/kg dry	6.95	<0.70	71.8	47.1-97.6	8.69	18.3	
4-Nitrophenol	5.03	0.70	0.097	mg/kg dry	6.95	<0.70	72.4	49.3-96.2	9.73	20.4	
Anthracene	5.52	0.34	0.038	mg/kg dry	6.95	<0.34	79.4	67.5-93.1	8.66	19.9	
Benzo(a)anthracene	5.74	0.34	0.043	mg/kg dry	6.95	<0.34	82.6	59.8-95.7	6.71	23.4	
Benzo(a)pyrene	5.60	0.34	0.044	mg/kg dry	6.95	<0.34	80.5	59.8-92.7	7.23	21.1	
Chrysene	5.72	0.34	0.046	mg/kg dry	6.95	<0.34	82.4	62.5-94.6	6.77	24.8	
Fluoranthene	5.47	0.34	0.041	mg/kg dry	6.95	<0.34	78.8	61.3-92.8	9.22	21.8	
Fluorene	5.04	0.34	0.036	mg/kg dry	6.95	<0.34	72.5	62.8-92.6	8.92	17.6	
N-Nitrosodi-n-propylamine	4.69	0.34	0.034	mg/kg dry	6.95	<0.34	67.5	46.9-89.9	5.16	18.9	
Pentachlorophenol	5.32	0.70	0.081	mg/kg dry	6.95	<0.70	76.5	40.1-95.1	8.27	19.7	
Phenanthrene	5.64	0.34	0.038	mg/kg dry	6.95	<0.34	81.2	65.2-92.2	8.69	20.5	
Phenol	3.81	0.70	0.072	mg/kg dry	6.95	<0.70	54.8	44.7-91	3.35	17.9	
Surrogate: 2,4,6-Tribromophenol	6.22			mg/kg dry	6.95		89.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.29			mg/kg dry	6.95		61.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.01			mg/kg dry	6.95		57.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.37			mg/kg dry	6.95		62.9	48.9-100			
Surrogate: Phenol-d6	4.53			mg/kg dry	6.95		65.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.05			mg/kg dry	6.95		72.6	51-99.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092-48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1102919
Date Reported: 07/14/11

Notes and Definitions

J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-3600

1102919

Project Number: 2319-1092-48 RT 810
Project Name: UMore East-Row West
Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: **NO 36474**

COC 3 of 3
Project Manager: JME
Project QC Contact: AAU
Sampled by: AKB/AMB
Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	Number of Containers/Preservative														
						Water	Soil		Water					Soil									
1. A3-SS1	0.5	0.5	ft	06/28/11	10:00	X	X	Grab	VOCS (HCl) #1	VOCS (unpreserved) #2	Dissolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	VOCS (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	
2. A3-SS2	1.0	1.0	ft	06/28/11	9:30	X	X	Grab	VOCS (HCl) #1	VOCS (unpreserved) #2	Dissolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	VOCS (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	
3.																							
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							

Relinquished By: Ante Smijke Date: 6/29/11 Time: 06:00
Relinquished By: _____ Date: _____ Time: _____
On Ice? N Y
Federal Express Air Freight Other: _____
Samples Shipped VIA: Air Freight Federal Express Sampler

Received by: _____ Date: 6/29/11 Time: 10:30
Received by: [Signature]
Air Bill Number: _____

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

RR custody sent
LI 74

H-RLG1STFORMS/Chain Of Custody Form 2009 RLG Rev. 09/01/09



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 18, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102920
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/29/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Dan Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG-SS1_0.5-0.5	1102920-01	Soil	06/28/11 08:00	06/29/11 10:30
BG-SS2_0.5-0.5	1102920-02	Soil	06/28/11 08:15	06/29/11 10:30
BG-SS3_0.5-0.5	1102920-03	Soil	06/28/11 08:30	06/29/11 10:30
BG-SS4_0.5-0.5	1102920-04	Soil	06/28/11 08:45	06/29/11 10:30
10SD-SS5_0.5-0.5	1102920-05	Soil	06/28/11 11:15	06/29/11 10:30
M-1_0.5-0.5	1102920-06	Soil	06/28/11 00:00	06/29/11 10:30
FB-1	1102920-07	Water	06/28/11 00:00	06/29/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 4.7

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS1_0.5-0.5 (1102920-01) Soil Sampled: 06/28/11 08:00 Received: 06/29/11 10:30										
Arsenic	3.1	0.54	0.060	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	50	1.1	0.065	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	12	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	480	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.097	0.097	0.018	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
BG-SS2_0.5-0.5 (1102920-02) Soil Sampled: 06/28/11 08:15 Received: 06/29/11 10:30										
Arsenic	5.5	0.63	0.070	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	140	1.2	0.072	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	<0.32	0.32	0.042	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	18	0.63	0.015	mg/kg dry	1	"	"	"	"	
Lead	140	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.13	0.13	0.024	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.32	0.32	0.020	mg/kg dry	1	"	"	"	"	
BG-SS3_0.5-0.5 (1102920-03) Soil Sampled: 06/28/11 08:30 Received: 06/29/11 10:30										
Arsenic	3.7	0.53	0.058	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	67	1.1	0.067	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	12	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	6.5	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
BG-SS4_0.5-0.5 (1102920-04) Soil Sampled: 06/28/11 08:45 Received: 06/29/11 10:30										
Arsenic	7.5	0.68	0.075	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	190	1.3	0.077	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	0.60	0.34	0.045	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	24	0.68	0.016	mg/kg dry	1	"	"	"	"	
Lead	28	1.4	0.19	mg/kg dry	1	"	"	"	"	
Mercury	<0.14	0.14	0.026	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.4	1.4	0.13	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.34	0.34	0.022	mg/kg dry	1	"	"	"	"	
10SD-SS5_0.5-0.5 (1102920-05) Soil Sampled: 06/28/11 11:15 Received: 06/29/11 10:30										
Arsenic	5.6	0.72	0.080	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-SS5_0.5-0.5 (1102920-05) Soil Sampled: 06/28/11 11:15 Received: 06/29/11 10:30										
Barium	260	1.4	0.087	mg/kg dry	1	B1G1214	07/12/11	07/13/11	EPA 6010B	
Cadmium	0.41	0.36	0.048	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	18	0.72	0.017	mg/kg dry	1	"	"	"	"	
Lead	12	1.4	0.20	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.024	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.4	1.4	0.14	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.36	0.36	0.023	mg/kg dry	1	"	"	"	"	
M-1_0.5-0.5 (1102920-06) Soil Sampled: 06/28/11 00:00 Received: 06/29/11 10:30										
Arsenic	5.7	0.71	0.079	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	260	1.4	0.086	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	0.39	0.36	0.047	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	18	0.71	0.017	mg/kg dry	1	"	"	"	"	
Lead	12	1.4	0.20	mg/kg dry	1	"	"	"	"	
Mercury	<0.14	0.14	0.027	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.4	1.4	0.14	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.36	0.36	0.023	mg/kg dry	1	"	"	"	"	
FB-1 (1102920-07) Water Sampled: 06/28/11 00:00 Received: 06/29/11 10:30										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G0629	07/06/11	07/07/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS1_0.5-0.5 (1102920-01) Soil Sampled: 06/28/11 08:00 Received: 06/29/11 10:30										
% Solids	92			%	1	B1G0621	07/06/11	07/06/11	% calculation	
BG-SS2_0.5-0.5 (1102920-02) Soil Sampled: 06/28/11 08:15 Received: 06/29/11 10:30										
% Solids	79			%	1	B1G0621	07/06/11	07/06/11	% calculation	
BG-SS3_0.5-0.5 (1102920-03) Soil Sampled: 06/28/11 08:30 Received: 06/29/11 10:30										
% Solids	90			%	1	B1G0621	07/06/11	07/06/11	% calculation	
BG-SS4_0.5-0.5 (1102920-04) Soil Sampled: 06/28/11 08:45 Received: 06/29/11 10:30										
% Solids	73			%	1	B1G0621	07/06/11	07/06/11	% calculation	
10SD-SS5_0.5-0.5 (1102920-05) Soil Sampled: 06/28/11 11:15 Received: 06/29/11 10:30										
% Solids	69			%	1	B1G0621	07/06/11	07/06/11	% calculation	
M-1_0.5-0.5 (1102920-06) Soil Sampled: 06/28/11 00:00 Received: 06/29/11 10:30										
% Solids	70			%	1	B1G0621	07/06/11	07/06/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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BG-SS1_0.5-0.5 (1102920-01) Soil Sampled: 06/28/11 08:00 Received: 06/29/11 10:30

1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS1_0.5-0.5 (1102920-01) Soil Sampled: 06/28/11 08:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	90.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS2_0.5-0.5 (1102920-02) Soil Sampled: 06/28/11 08:15 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.047	0.85	0.047	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.095	0.85	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.076	0.85	0.076	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.85	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.42	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.084	0.85	0.084	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.85	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.85	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.2	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS2_0.5-0.5 (1102920-02) Soil Sampled: 06/28/11 08:15 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.061	0.42	0.061	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
Benzoic acid	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.051	0.42	0.051	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.42	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.033	0.42	0.033	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Phenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
Pyrene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	59.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	62.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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BG-SS3_0.5-0.5 (1102920-03) Soil Sampled: 06/28/11 08:30 Received: 06/29/11 10:30

1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS3_0.5-0.5 (1102920-03) Soil Sampled: 06/28/11 08:30 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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BG-SS4_0.5-0.5 (1102920-04) Soil Sampled: 06/28/11 08:45 Received: 06/29/11 10:30

1,2,4-Trichlorobenzene	<0.042	0.45	0.042	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.042	0.45	0.042	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.040	0.45	0.040	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.11	0.92	0.11	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.051	0.92	0.051	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.11	0.92	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.10	0.92	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.92	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.044	0.92	0.044	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.048	0.45	0.048	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.095	0.92	0.095	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.053	0.45	0.053	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.047	0.45	0.047	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.082	0.92	0.082	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.047	0.92	0.047	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.052	0.45	0.052	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.12	0.92	0.12	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.044	0.92	0.044	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.21	2.2	0.21	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.037	0.45	0.037	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.047	0.92	0.047	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.090	0.92	0.090	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.037	0.92	0.037	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.047	0.45	0.047	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.13	0.92	0.13	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.052	0.45	0.052	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.056	0.45	0.056	mg/kg dry	1	"	"	"	"	
Aniline	<0.042	0.92	0.042	mg/kg dry	1	"	"	"	"	
Anthracene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
Benzidine	<0.26	3.4	0.26	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.056	0.45	0.056	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.058	0.45	0.058	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.059	0.45	0.059	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.059	0.45	0.059	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS4_0.5-0.5 (1102920-04) Soil Sampled: 06/28/11 08:45 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.066	0.45	0.066	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
Benzoic acid	0.58	0.45	0.033	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.13	0.92	0.13	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.047	0.45	0.047	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.048	0.45	0.048	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.047	0.45	0.047	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.066	0.45	0.066	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.058	0.45	0.058	mg/kg dry	1	"	"	"	"	
Carbazole	<0.048	0.45	0.048	mg/kg dry	1	"	"	"	"	
Chrysene	<0.060	0.45	0.060	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.059	0.45	0.059	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.042	0.45	0.042	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.041	0.45	0.041	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.060	0.45	0.060	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.066	0.45	0.066	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.054	0.45	0.053	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.048	0.45	0.048	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.041	0.45	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.033	0.45	0.033	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.041	0.45	0.041	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.055	0.45	0.055	mg/kg dry	1	"	"	"	"	
Isophorone	<0.042	0.45	0.042	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.030	0.45	0.030	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.036	0.45	0.036	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.11	0.92	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
Phenol	<0.095	0.92	0.095	mg/kg dry	1	"	"	"	"	
Pyrene	<0.056	0.45	0.056	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	89.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	54.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-SS5_0.5-0.5 (1102920-05) Soil Sampled: 06/28/11 11:15 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.045	0.48	0.045	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.048	0.48	0.048	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.052	0.48	0.052	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.045	0.48	0.045	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.042	0.48	0.042	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.11	0.97	0.11	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.054	0.97	0.054	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.12	0.97	0.12	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.11	0.97	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.12	0.97	0.12	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.046	0.97	0.046	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.051	0.48	0.051	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.10	0.97	0.10	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.057	0.48	0.057	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.049	0.48	0.049	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.087	0.97	0.087	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.052	0.48	0.052	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.049	0.97	0.049	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.055	0.48	0.055	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.12	0.97	0.12	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.046	0.97	0.046	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.22	2.3	0.22	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.039	0.48	0.039	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.049	0.97	0.049	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.048	0.48	0.048	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.096	0.97	0.096	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.039	0.97	0.039	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.052	0.48	0.052	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.049	0.48	0.049	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.13	0.97	0.13	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.055	0.48	0.055	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.059	0.48	0.059	mg/kg dry	1	"	"	"	"	
Aniline	<0.045	0.97	0.045	mg/kg dry	1	"	"	"	"	
Anthracene	<0.052	0.48	0.052	mg/kg dry	1	"	"	"	"	
Benzidine	<0.28	3.6	0.28	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.059	0.48	0.059	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.061	0.48	0.061	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.062	0.48	0.062	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.062	0.48	0.062	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-SS5_0.5-0.5 (1102920-05) Soil Sampled: 06/28/11 11:15 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.070	0.48	0.070	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
Benzoic acid	1.6	0.48	0.035	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.14	0.97	0.14	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.049	0.48	0.049	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.051	0.48	0.051	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.049	0.48	0.049	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.070	0.48	0.070	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.061	0.48	0.061	mg/kg dry	1	"	"	"	"	
Carbazole	<0.051	0.48	0.051	mg/kg dry	1	"	"	"	"	
Chrysene	<0.064	0.48	0.064	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.062	0.48	0.062	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.048	0.48	0.048	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.045	0.48	0.045	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.043	0.48	0.043	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.064	0.48	0.064	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.070	0.48	0.070	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.057	0.48	0.057	mg/kg dry	1	"	"	"	"	
Fluorene	<0.051	0.48	0.051	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.052	0.48	0.052	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.043	0.48	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.035	0.48	0.035	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.043	0.48	0.043	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.058	0.48	0.058	mg/kg dry	1	"	"	"	"	
Isophorone	<0.045	0.48	0.045	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.048	0.48	0.048	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.048	0.48	0.048	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.032	0.48	0.032	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.048	0.48	0.048	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.038	0.48	0.038	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.11	0.97	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.052	0.48	0.052	mg/kg dry	1	"	"	"	"	
Phenol	<0.10	0.97	0.10	mg/kg dry	1	"	"	"	"	
Pyrene	<0.059	0.48	0.059	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	86.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1_0.5-0.5 (1102920-06) Soil Sampled: 06/28/11 00:00 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.044	0.47	0.044	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.047	0.47	0.047	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.051	0.47	0.051	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.044	0.47	0.044	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.041	0.47	0.041	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.11	0.96	0.11	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.053	0.96	0.053	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.11	0.96	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.11	0.96	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.96	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.046	0.96	0.046	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.050	0.47	0.050	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.099	0.96	0.099	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.056	0.47	0.056	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.049	0.47	0.049	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.086	0.96	0.086	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.051	0.47	0.051	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.049	0.96	0.049	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.054	0.47	0.054	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.12	0.96	0.12	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.046	0.96	0.046	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.21	2.3	0.21	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.039	0.47	0.039	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.049	0.96	0.049	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.047	0.47	0.047	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.094	0.96	0.094	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.039	0.96	0.039	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.051	0.47	0.051	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.049	0.47	0.049	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.13	0.96	0.13	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.054	0.47	0.054	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.059	0.47	0.059	mg/kg dry	1	"	"	"	"	
Aniline	<0.044	0.96	0.044	mg/kg dry	1	"	"	"	"	
Anthracene	<0.051	0.47	0.051	mg/kg dry	1	"	"	"	"	
Benzidine	<0.27	3.6	0.27	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.059	0.47	0.059	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.060	0.47	0.060	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.061	0.47	0.061	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.061	0.47	0.061	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1_0.5-0.5 (1102920-06) Soil Sampled: 06/28/11 00:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.069	0.47	0.069	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
Benzoic acid	0.45	0.47	0.034	mg/kg dry	1	"	"	"	"	J
Benzyl alcohol	<0.14	0.96	0.14	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.049	0.47	0.049	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.050	0.47	0.050	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.049	0.47	0.049	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.069	0.47	0.069	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.060	0.47	0.060	mg/kg dry	1	"	"	"	"	
Carbazole	<0.050	0.47	0.050	mg/kg dry	1	"	"	"	"	
Chrysene	<0.063	0.47	0.063	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.061	0.47	0.061	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.047	0.47	0.047	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.044	0.47	0.044	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.043	0.47	0.043	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.063	0.47	0.063	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.069	0.47	0.069	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.056	0.47	0.056	mg/kg dry	1	"	"	"	"	
Fluorene	<0.050	0.47	0.050	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.051	0.47	0.051	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.043	0.47	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.034	0.47	0.034	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.043	0.47	0.043	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.057	0.47	0.057	mg/kg dry	1	"	"	"	"	
Isophorone	<0.044	0.47	0.044	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.047	0.47	0.047	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.047	0.47	0.047	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.031	0.47	0.031	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.047	0.47	0.047	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.037	0.47	0.037	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.11	0.96	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.051	0.47	0.051	mg/kg dry	1	"	"	"	"	
Phenol	<0.099	0.96	0.099	mg/kg dry	1	"	"	"	"	
Pyrene	<0.059	0.47	0.059	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	71.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1102920-07) Water Sampled: 06/28/11 00:00 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G0504	07/05/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1102920-07) Water Sampled: 06/28/11 00:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G0504	07/05/11	07/05/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	90.7			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	84.6			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.7			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	84.5			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	64.1			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	103			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS2_0.5-0.5 (1102920-02) Soil Sampled: 06/28/11 08:15 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G1211	07/12/11	07/12/11	EPA 1010A/ASTM D93(M)	
10SD-SS5_0.5-0.5 (1102920-05) Soil Sampled: 06/28/11 11:15 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G1211	07/12/11	07/12/11	EPA 1010A/ASTM D93(M)	
M-1_0.5-0.5 (1102920-06) Soil Sampled: 06/28/11 00:00 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G1211	07/12/11	07/12/11	EPA 1010A/ASTM D93(M)	
FB-1 (1102920-07) Water Sampled: 06/28/11 00:00 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G1211	07/12/11	07/12/11	EPA 1010A/ASTM D93(M)	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0507 - EPA 3050B											
Blank (B1G0507-BLK1)											
					Prepared: 07/05/11 Analyzed: 07/11/11						
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0507-BS1)											
					Prepared: 07/05/11 Analyzed: 07/11/11						
Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		102	80-120			
Cadmium	40.6	0.25	0.033	mg/kg wet	39.9		102	80-120			
Chromium	41.1	0.50	0.012	mg/kg wet	39.9		103	80-120			
Lead	40.6	1.0	0.14	mg/kg wet	39.9		102	80-120			
Selenium	40.8	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.08	0.25	0.016	mg/kg wet	3.99		102	80-120			
LCS Dup (B1G0507-BSD1)											
					Prepared: 07/05/11 Analyzed: 07/11/11						
Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120	0.0985	20	
Cadmium	40.7	0.25	0.033	mg/kg wet	39.9		102	80-120	0.302	20	
Chromium	41.2	0.50	0.012	mg/kg wet	39.9		103	80-120	0.180	20	
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120	0.0668	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	0.374	20	
Silver	4.09	0.25	0.016	mg/kg wet	3.99		102	80-120	0.166	20	
Matrix Spike (B1G0507-MS1)											
					Source: 1102924-02		Prepared: 07/05/11 Analyzed: 07/11/11				
Arsenic	44.9	0.56	0.061	mg/kg dry	44.3	3.21	94.3	75-125			
Cadmium	42.7	0.28	0.037	mg/kg dry	44.3	<0.28	96.1	75-125			
Chromium	57.3	0.56	0.013	mg/kg dry	44.3	17.9	89.1	75-125			
Lead	44.8	1.1	0.16	mg/kg dry	44.3	4.46	91.2	75-125			
Selenium	40.9	1.1	0.11	mg/kg dry	44.3	<1.1	92.3	75-125			
Silver	4.19	0.28	0.018	mg/kg dry	4.43	<0.28	94.6	75-125			
Matrix Spike Dup (B1G0507-MSD1)											
					Source: 1102924-02		Prepared: 07/05/11 Analyzed: 07/11/11				
Arsenic	43.9	0.56	0.061	mg/kg dry	43.9	3.21	92.6	75-125	2.42	20	
Cadmium	41.3	0.28	0.037	mg/kg dry	43.9	<0.28	93.7	75-125	3.41	20	
Chromium	55.7	0.56	0.013	mg/kg dry	43.9	17.9	86.0	75-125	2.99	20	
Lead	44.0	1.1	0.16	mg/kg dry	43.9	4.46	90.0	75-125	1.96	20	
Selenium	39.6	1.1	0.11	mg/kg dry	43.9	<1.1	90.3	75-125	3.04	20	
Silver	4.03	0.28	0.018	mg/kg dry	4.39	<0.28	91.8	75-125	3.82	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0602 - EPA 200.7/3005A Digestion

Blank (B1G0602-BLK1)

Prepared & Analyzed: 07/06/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1G0602-BS1)

Prepared & Analyzed: 07/06/11

Arsenic	0.419	0.010	0.0011	mg/L	0.399		105	80-120			
Barium	0.412	0.020	0.0012	mg/L	0.399		103	80-120			
Cadmium	0.419	0.0010	0.00013	mg/L	0.399		105	80-120			
Chromium	0.426	0.010	0.00024	mg/L	0.399		107	80-120			
Lead	0.423	0.0030	0.00042	mg/L	0.399		106	80-120			
Selenium	0.413	0.020	0.0019	mg/L	0.399		104	80-120			
Silver	0.0437	0.0050	0.00031	mg/L	0.0399		109	80-120			

LCS Dup (B1G0602-BSD1)

Prepared & Analyzed: 07/06/11

Arsenic	0.411	0.010	0.0011	mg/L	0.399		103	80-120	1.83	20	
Barium	0.415	0.020	0.0012	mg/L	0.399		104	80-120	0.714	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399		103	80-120	1.38	20	
Chromium	0.419	0.010	0.00024	mg/L	0.399		105	80-120	1.65	20	
Lead	0.415	0.0030	0.00042	mg/L	0.399		104	80-120	1.84	20	
Selenium	0.408	0.020	0.0019	mg/L	0.399		102	80-120	1.16	20	
Silver	0.0425	0.0050	0.00031	mg/L	0.0399		107	80-120	2.70	20	

Matrix Spike (B1G0602-MS1)

Source: 1102988-04

Prepared & Analyzed: 07/06/11

Arsenic	0.417	0.010	0.0011	mg/L	0.399	<0.010	104	75-125			
Barium	0.416	0.020	0.0012	mg/L	0.399	<0.020	104	75-125			
Cadmium	0.415	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125			
Chromium	0.423	0.010	0.00024	mg/L	0.399	<0.010	106	75-125			
Lead	0.418	0.0030	0.00042	mg/L	0.399	<0.0030	105	75-125			
Selenium	0.409	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0429	0.0050	0.00031	mg/L	0.0399	<0.0050	107	75-125			

Matrix Spike Dup (B1G0602-MSD1)

Source: 1102988-04

Prepared & Analyzed: 07/06/11

Arsenic	0.413	0.010	0.0011	mg/L	0.399	<0.010	104	75-125	0.809	20	
Barium	0.414	0.020	0.0012	mg/L	0.399	<0.020	104	75-125	0.447	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125	0.273	20	
Chromium	0.421	0.010	0.00024	mg/L	0.399	<0.010	105	75-125	0.595	20	
Lead	0.416	0.0030	0.00042	mg/L	0.399	<0.0030	104	75-125	0.517	20	
Selenium	0.407	0.020	0.0019	mg/L	0.399	<0.020	101	75-125	0.541	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0602 - EPA 200.7/3005A Digestion											
Matrix Spike Dup (B1G0602-MSD1)		Source: 1102988-04			Prepared & Analyzed: 07/06/11						
Mercury	0.0424	0.0050	0.00031	mg/L	0.0399	<0.0050	105	75-125	1.15	20	
Batch B1G0629 - EPA 245.1/7470A Digestion											
Blank (B1G0629-BLK1)		Prepared: 07/06/11 Analyzed: 07/07/11									
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1G0629-BS1)		Prepared: 07/06/11 Analyzed: 07/07/11									
Mercury	0.00201	0.00020	0.000037	mg/L	0.00200		100	80-120			
LCS Dup (B1G0629-BSD1)		Prepared: 07/06/11 Analyzed: 07/07/11									
Mercury	0.00176	0.00020	0.000037	mg/L	0.00200		88.0	80-120	13.3	20	
Matrix Spike (B1G0629-MS1)		Source: 1102809-01			Prepared: 07/06/11 Analyzed: 07/07/11						
Mercury	0.00217	0.00020	0.000037	mg/L	0.00200	0.000548	81.1	75-125			
Matrix Spike Dup (B1G0629-MSD1)		Source: 1102809-01			Prepared: 07/06/11 Analyzed: 07/07/11						
Mercury	0.00226	0.00020	0.000037	mg/L	0.00200	0.000548	85.6	75-125	4.06	20	
Batch B1G0710 - EPA 7471A											
Blank (B1G0710-BLK1)		Prepared: 07/07/11 Analyzed: 07/11/11									
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0710-BS1)		Prepared: 07/07/11 Analyzed: 07/11/11									
Mercury	0.172	0.10	0.019	mg/kg wet	0.200		86.0	80-120			
LCS Dup (B1G0710-BSD1)		Prepared: 07/07/11 Analyzed: 07/11/11									
Mercury	0.183	0.10	0.019	mg/kg wet	0.200		91.5	80-120	6.20	20	
Matrix Spike (B1G0710-MS1)		Source: 1102920-01			Prepared: 07/07/11 Analyzed: 07/11/11						
Mercury	0.173	0.095	0.018	mg/kg dry	0.191	<0.095	91.0	75-125			
Matrix Spike Dup (B1G0710-MSD1)		Source: 1102920-01			Prepared: 07/07/11 Analyzed: 07/11/11						
Mercury	0.176	0.098	0.019	mg/kg dry	0.195	<0.098	90.0	75-125	1.17	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1214 - EPA 3050B											
Blank (B1G1214-BLK1)											
						Prepared: 07/12/11 Analyzed: 07/13/11					
Barium	< 1.0	1.0	0.060	mg/kg wet							
LCS (B1G1214-BS1)											
						Prepared: 07/12/11 Analyzed: 07/13/11					
Barium	41.9	1.0	0.060	mg/kg wet	39.9		105	80-120			
LCS Dup (B1G1214-BSD1)											
						Prepared: 07/12/11 Analyzed: 07/13/11					
Barium	42.0	1.0	0.060	mg/kg wet	39.9		105	80-120	0.160	20	
Matrix Spike (B1G1214-MS1)											
						Source: 1102924-02 Prepared: 07/12/11 Analyzed: 07/13/11					
Barium	101	1.1	0.067	mg/kg dry	42.7	66.7	79.8	75-125			
Matrix Spike Dup (B1G1214-MSD1)											
						Source: 1102924-02 Prepared: 07/12/11 Analyzed: 07/13/11					
Barium	106	1.1	0.067	mg/kg dry	42.9	66.7	90.6	75-125	4.63	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G0621 - General Preparation												
Duplicate (B1G0621-DUP1)							Source: 1102924-03					Prepared & Analyzed: 07/06/11
% Solids	91.0			%		88.0			3.35	20		
Duplicate (B1G0621-DUP2)							Source: 1102930-06					Prepared & Analyzed: 07/06/11
% Solids	81.0			%		81.0			0.00	20		
Duplicate (B1G0621-DUP3)							Source: 1102962-04					Prepared & Analyzed: 07/06/11
% Solids	97.0			%		98.0			1.03	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0504 - EPA 3510C (Sep Funnel)

Blank (B1G0504-BLK1)

Prepared & Analyzed: 07/05/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0504 - EPA 3510C (Sep Funnel)

Blank (B1G0504-BLK1)

Prepared & Analyzed: 07/05/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	86.3			ug/L	100		86.3	30-122			
Surrogate: 2-Fluorobiphenyl	82.9			ug/L	100		82.9	39.2-104			
Surrogate: 2-Fluorophenol	73.8			ug/L	100		73.8	30-80.1			
Surrogate: Nitrobenzene-d5	83.5			ug/L	100		83.5	51.2-103			
Surrogate: Phenol-d6	64.2			ug/L	100		64.2	30-75.3			
Surrogate: Terphenyl-d14	98.4			ug/L	100		98.4	30-116			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092-48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102920
 Date Reported: 07/18/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0504 - EPA 3510C (Sep Funnel)

LCS (B1G0504-BS1)

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	61.1	10	0.30	ug/L	100		61.1	47.4-88.7			
1,4-Dichlorobenzene	60.0	10	0.29	ug/L	100		60.0	39.5-81			
2,4-Dinitrotoluene	91.7	10	0.45	ug/L	100		91.7	67.2-99.3			
2-Chlorophenol	80.8	10	0.39	ug/L	100		80.8	56.5-85.9			
4-Chloro-3-methylphenol	92.1	10	0.48	ug/L	100		92.1	62.1-98.2			
4-Nitrophenol	93.2	10	0.78	ug/L	100		93.2	40.5-98.5			
Anthracene	90.6	10	0.56	ug/L	100		90.6	70.6-95.3			
Benzo(a)anthracene	89.2	10	0.50	ug/L	100		89.2	73.7-96.6			
Benzo(a)pyrene	88.5	10	0.41	ug/L	100		88.5	70.9-92.6			
Chrysene	91.7	10	0.61	ug/L	100		91.7	71.8-97.5			
Fluoranthene	94.3	10	0.61	ug/L	100		94.3	73.6-96.8			
Fluorene	84.2	10	0.52	ug/L	100		84.2	69.3-93.3			
N-Nitrosodi-n-propylamine	79.9	10	0.25	ug/L	100		79.9	65.9-89.3			
Pentachlorophenol	91.2	10	0.90	ug/L	100		91.2	55-107			
Phenanthrene	90.9	10	0.35	ug/L	100		90.9	72.5-97.6			
Phenol	66.2	10	0.41	ug/L	100		66.2	34.1-71.6			
Surrogate: 2,4,6-Tribromophenol	84.3			ug/L	100		84.3	30-122			
Surrogate: 2-Fluorobiphenyl	77.9			ug/L	100		77.9	39.2-104			
Surrogate: 2-Fluorophenol	69.8			ug/L	100		69.8	30-80.1			
Surrogate: Nitrobenzene-d5	79.5			ug/L	100		79.5	51.2-103			
Surrogate: Phenol-d6	63.6			ug/L	100		63.6	30-75.3			
Surrogate: Terphenyl-d14	81.5			ug/L	100		81.5	30-116			

Matrix Spike (B1G0504-MS1)

Source: 1102949-02

Prepared & Analyzed: 07/05/11

1,2,4-Trichlorobenzene	64.9	9.3	0.28	ug/L	93.5	<9.3	69.5	39.2-90.6			
1,4-Dichlorobenzene	62.3	9.3	0.27	ug/L	93.5	<9.3	66.6	34.1-81.6			
2,4-Dinitrotoluene	88.1	9.3	0.42	ug/L	93.5	<9.3	94.3	41.1-110			
2-Chlorophenol	82.7	9.3	0.36	ug/L	93.5	<9.3	88.5	30-96.4			
4-Chloro-3-methylphenol	92.1	9.3	0.45	ug/L	93.5	<9.3	98.5	30-113			
4-Nitrophenol	87.8	9.3	0.73	ug/L	93.5	<9.3	93.9	30-112			
Anthracene	92.1	9.3	0.52	ug/L	93.5	<9.3	98.6	30-119			
Benzo(a)anthracene	91.1	9.3	0.47	ug/L	93.5	<9.3	97.5	30-122			
Benzo(a)pyrene	89.7	9.3	0.38	ug/L	93.5	<9.3	95.9	30-118			
Chrysene	93.3	9.3	0.57	ug/L	93.5	<9.3	99.8	30-125			
Fluoranthene	93.7	9.3	0.57	ug/L	93.5	<9.3	100	31.6-119			
Fluorene	84.8	9.3	0.49	ug/L	93.5	<9.3	90.7	40.8-107			
N-Nitrosodi-n-propylamine	79.9	9.3	0.23	ug/L	93.5	<9.3	85.4	47.2-94.8			
Pentachlorophenol	95.9	9.3	0.84	ug/L	93.5	<9.3	103	30-130			
Phenanthrene	92.1	9.3	0.33	ug/L	93.5	<9.3	98.5	38.2-117			
Phenol	64.2	9.3	0.38	ug/L	93.5	<9.3	68.7	30-80			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0504 - EPA 3510C (Sep Funnel)

Matrix Spike (B1G0504-MS1)

Source: 1102949-02

Prepared & Analyzed: 07/05/11

Surrogate: 2,4,6-Tribromophenol	90.3			ug/L	93.5		96.6	30-122			
Surrogate: 2-Fluorobiphenyl	81.8			ug/L	93.5		87.5	39.2-104			
Surrogate: 2-Fluorophenol	71.1			ug/L	93.5		76.1	30-80.1			
Surrogate: Nitrobenzene-d5	80.5			ug/L	93.5		86.1	51.2-103			
Surrogate: Phenol-d6	62.2			ug/L	93.5		66.5	30-75.3			
Surrogate: Terphenyl-d14	85.8			ug/L	93.5		91.8	30-116			

Matrix Spike Dup (B1G0504-MSD1)

Source: 1102949-02

Prepared & Analyzed: 07/05/11

1,2,4-Trichlorobenzene	62.0	9.3	0.28	ug/L	92.6	<9.3	66.9	39.2-90.6	4.68	23.6	
1,4-Dichlorobenzene	57.7	9.3	0.27	ug/L	92.6	<9.3	62.3	34.1-81.6	7.62	22.4	
2,4-Dinitrotoluene	86.7	9.3	0.42	ug/L	92.6	<9.3	93.6	41.1-110	1.66	17.2	
2-Chlorophenol	80.7	9.3	0.36	ug/L	92.6	<9.3	87.1	30-96.4	2.45	23.7	
4-Chloro-3-methylphenol	90.9	9.3	0.44	ug/L	92.6	<9.3	98.1	30-113	1.31	24.1	
4-Nitrophenol	86.4	9.3	0.72	ug/L	92.6	<9.3	93.3	30-112	1.61	34.3	
Anthracene	90.4	9.3	0.52	ug/L	92.6	<9.3	97.6	30-119	1.89	24.5	
Benzo(a)anthracene	89.7	9.3	0.46	ug/L	92.6	<9.3	96.8	30-122	1.58	27.8	
Benzo(a)pyrene	88.9	9.3	0.38	ug/L	92.6	<9.3	96.0	30-118	0.873	27.1	
Chrysene	91.1	9.3	0.56	ug/L	92.6	<9.3	98.4	30-125	2.40	28	
Fluoranthene	91.1	9.3	0.56	ug/L	92.6	<9.3	98.4	31.6-119	2.79	25.9	
Fluorene	83.1	9.3	0.48	ug/L	92.6	<9.3	89.8	40.8-107	1.97	20.6	
N-Nitrosodi-n-propylamine	78.7	9.3	0.23	ug/L	92.6	<9.3	85.0	47.2-94.8	1.42	15.8	
Pentachlorophenol	93.1	9.3	0.83	ug/L	92.6	<9.3	101	30-130	2.96	25.5	
Phenanthrene	90.3	9.3	0.32	ug/L	92.6	<9.3	97.5	38.2-117	1.98	19.3	
Phenol	63.9	9.3	0.38	ug/L	92.6	<9.3	69.1	30-80	0.441	31.9	
Surrogate: 2,4,6-Tribromophenol	89.0			ug/L	92.6		96.1	30-122			
Surrogate: 2-Fluorobiphenyl	79.7			ug/L	92.6		86.0	39.2-104			
Surrogate: 2-Fluorophenol	70.3			ug/L	92.6		75.9	30-80.1			
Surrogate: Nitrobenzene-d5	80.1			ug/L	92.6		86.5	51.2-103			
Surrogate: Phenol-d6	61.8			ug/L	92.6		66.8	30-75.3			
Surrogate: Terphenyl-d14	84.2			ug/L	92.6		91.0	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Blank (B1G0802-BLK1)

Prepared: 07/08/11 Analyzed: 07/11/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Blank (B1G0802-BLK1)

Prepared: 07/08/11 Analyzed: 07/11/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.57			mg/kg wet	6.67		68.6	53-107			
Surrogate: 2-Fluorobiphenyl	3.77			mg/kg wet	6.67		56.6	53.9-97.9			
Surrogate: 2-Fluorophenol	3.77			mg/kg wet	6.67		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.09			mg/kg wet	6.67		61.4	48.9-100			
Surrogate: Phenol-d6	4.20			mg/kg wet	6.67		63.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.23			mg/kg wet	6.67		63.4	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092-48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102920
 Date Reported: 07/18/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

LCS (B1G0802-BS1)

Prepared: 07/08/11 Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.64	0.33	0.031	mg/kg wet	6.67		69.6	59.1-87.7			
1,4-Dichlorobenzene	4.28	0.33	0.029	mg/kg wet	6.67		64.2	50.3-72.9			
2,4-Dinitrotoluene	4.85	0.33	0.035	mg/kg wet	6.67		72.7	59.8-82.2			
2-Chlorophenol	4.76	0.67	0.060	mg/kg wet	6.67		71.4	59.7-77.3			
4-Chloro-3-methylphenol	4.86	0.67	0.066	mg/kg wet	6.67		72.9	63.6-80.4			
4-Nitrophenol	4.91	0.67	0.093	mg/kg wet	6.67		73.7	57.3-84.9			
Anthracene	5.07	0.33	0.036	mg/kg wet	6.67		76.1	67.3-88			
Benzo(a)anthracene	5.47	0.33	0.041	mg/kg wet	6.67		82.1	66.5-90.5			
Benzo(a)pyrene	5.56	0.33	0.042	mg/kg wet	6.67		83.4	66.1-89.7			
Chrysene	5.46	0.33	0.044	mg/kg wet	6.67		81.9	65.5-90.5			
Fluoranthene	5.16	0.33	0.039	mg/kg wet	6.67		77.5	66.7-89.9			
Fluorene	4.69	0.33	0.035	mg/kg wet	6.67		70.4	66.2-85.6			
N-Nitrosodi-n-propylamine	4.85	0.33	0.033	mg/kg wet	6.67		72.7	59.4-78			
Pentachlorophenol	5.10	0.67	0.078	mg/kg wet	6.67		76.6	46.7-83.2			
Phenanthrene	5.18	0.33	0.036	mg/kg wet	6.67		77.6	67.5-87.9			
Phenol	4.17	0.67	0.069	mg/kg wet	6.67		62.6	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.28			mg/kg wet	6.67		79.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.34			mg/kg wet	6.67		65.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.38			mg/kg wet	6.67		65.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.70			mg/kg wet	6.67		70.5	48.9-100			
Surrogate: Phenol-d6	4.80			mg/kg wet	6.67		71.9	50.4-99.6			
Surrogate: Terphenyl-d14	4.85			mg/kg wet	6.67		72.8	51-99.6			

Matrix Spike (B1G0802-MS1)

Source: 1102919-02

Prepared: 07/08/11 Analyzed: 07/09/11

1,2,4-Trichlorobenzene	4.24	0.34	0.032	mg/kg dry	6.94	<0.34	61.1	44.8-97.9			
1,4-Dichlorobenzene	3.81	0.34	0.030	mg/kg dry	6.94	<0.34	55.0	42.3-77.9			
2,4-Dinitrotoluene	4.74	0.34	0.036	mg/kg dry	6.94	<0.34	68.3	57.3-86.6			
2-Chlorophenol	4.12	0.70	0.062	mg/kg dry	6.94	<0.70	59.4	43.3-93.2			
4-Chloro-3-methylphenol	4.57	0.70	0.069	mg/kg dry	6.94	<0.70	66.0	47.1-97.6			
4-Nitrophenol	4.56	0.70	0.097	mg/kg dry	6.94	<0.70	65.8	49.3-96.2			
Anthracene	5.06	0.34	0.038	mg/kg dry	6.94	<0.34	73.0	67.5-93.1			
Benzo(a)anthracene	5.37	0.34	0.043	mg/kg dry	6.94	<0.34	77.4	59.8-95.7			
Benzo(a)pyrene	5.21	0.34	0.044	mg/kg dry	6.94	<0.34	75.1	59.8-92.7			
Chrysene	5.35	0.34	0.046	mg/kg dry	6.94	<0.34	77.1	62.5-94.6			
Fluoranthene	4.99	0.34	0.041	mg/kg dry	6.94	<0.34	72.0	61.3-92.8			
Fluorene	4.61	0.34	0.036	mg/kg dry	6.94	<0.34	66.4	62.8-92.6			
N-Nitrosodi-n-propylamine	4.46	0.34	0.034	mg/kg dry	6.94	<0.34	64.3	46.9-89.9			
Pentachlorophenol	4.90	0.70	0.081	mg/kg dry	6.94	<0.70	70.6	40.1-95.1			
Phenanthrene	5.17	0.34	0.038	mg/kg dry	6.94	<0.34	74.6	65.2-92.2			
Phenol	3.68	0.70	0.072	mg/kg dry	6.94	<0.70	53.1	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Matrix Spike (B1G0802-MS1)

Source: 1102919-02

Prepared: 07/08/11

Analyzed: 07/09/11

Surrogate: 2,4,6-Tribromophenol	5.68			mg/kg dry	6.94		81.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.00			mg/kg dry	6.94		57.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.92			mg/kg dry	6.94		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.23			mg/kg dry	6.94		61.0	48.9-100			
Surrogate: Phenol-d6	4.37			mg/kg dry	6.94		63.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.79			mg/kg dry	6.94		69.1	51-99.6			

Matrix Spike Dup (B1G0802-MSD1)

Source: 1102919-02

Prepared: 07/08/11

Analyzed: 07/09/11

1,2,4-Trichlorobenzene	4.32	0.34	0.032	mg/kg dry	6.95	<0.34	62.2	44.8-97.9	2.06	19.6	
1,4-Dichlorobenzene	3.89	0.34	0.030	mg/kg dry	6.95	<0.34	56.0	42.3-77.9	2.04	22.4	
2,4-Dinitrotoluene	5.16	0.34	0.036	mg/kg dry	6.95	<0.34	74.3	57.3-86.6	8.64	19.5	
2-Chlorophenol	4.25	0.70	0.062	mg/kg dry	6.95	<0.70	61.2	43.3-93.2	3.14	23.7	
4-Chloro-3-methylphenol	4.99	0.70	0.069	mg/kg dry	6.95	<0.70	71.8	47.1-97.6	8.69	18.3	
4-Nitrophenol	5.03	0.70	0.097	mg/kg dry	6.95	<0.70	72.4	49.3-96.2	9.73	20.4	
Anthracene	5.52	0.34	0.038	mg/kg dry	6.95	<0.34	79.4	67.5-93.1	8.66	19.9	
Benzo(a)anthracene	5.74	0.34	0.043	mg/kg dry	6.95	<0.34	82.6	59.8-95.7	6.71	23.4	
Benzo(a)pyrene	5.60	0.34	0.044	mg/kg dry	6.95	<0.34	80.5	59.8-92.7	7.23	21.1	
Chrysene	5.72	0.34	0.046	mg/kg dry	6.95	<0.34	82.4	62.5-94.6	6.77	24.8	
Fluoranthene	5.47	0.34	0.041	mg/kg dry	6.95	<0.34	78.8	61.3-92.8	9.22	21.8	
Fluorene	5.04	0.34	0.036	mg/kg dry	6.95	<0.34	72.5	62.8-92.6	8.92	17.6	
N-Nitrosodi-n-propylamine	4.69	0.34	0.034	mg/kg dry	6.95	<0.34	67.5	46.9-89.9	5.16	18.9	
Pentachlorophenol	5.32	0.70	0.081	mg/kg dry	6.95	<0.70	76.5	40.1-95.1	8.27	19.7	
Phenanthrene	5.64	0.34	0.038	mg/kg dry	6.95	<0.34	81.2	65.2-92.2	8.69	20.5	
Phenol	3.81	0.70	0.072	mg/kg dry	6.95	<0.70	54.8	44.7-91	3.35	17.9	
Surrogate: 2,4,6-Tribromophenol	6.22			mg/kg dry	6.95		89.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.29			mg/kg dry	6.95		61.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.01			mg/kg dry	6.95		57.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.37			mg/kg dry	6.95		62.9	48.9-100			
Surrogate: Phenol-d6	4.53			mg/kg dry	6.95		65.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.05			mg/kg dry	6.95		72.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102920 Date Reported: 07/18/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1211 - General Prep											
Duplicate (B1G1211-DUP1)		Source: 1102883-18				Prepared & Analyzed: 07/12/11					
Flashpoint	>140			°F		0.00				5	
Reference (B1G1211-SRM1)											
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092-48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1102920
Date Reported: 07/18/11

Notes and Definitions

J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 1109920

Project Number: 2319-1092 48RI 810

Project Name: UMore East - Navy Burning Grounds

Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: **NO 36473**

COC 1 of 3

Project Manager: JME

Project OC Contact: AAN

Sampled by: AKB+AMB

Laboratory: Legend

Location	Start Depth (ft)	Stop Depth (ft)	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type	Number of Containers/Preservative																		
						Water	Soil	OC		Water					Soil													
										VOCS (HCl) #1	VOCS (unpreserved) #2	Dissolved Metals (HNO3)	Total Metals (HNO3)	General Range Organics (HCl) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	Flashpoint	VOCS (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)	Flashpoint	Total Number Of Containers			
1. B6-SS1	0.5	0.5	ft	06/28/11	08:00	X	X	X	Grab									Flashpoint									3	Analyze RCRA metals, SVOCS
2. B6-SS2					08:15	X	X	X	Grab									Flashpoint									4	Analyze RCRA metals, SVOCS, flashpoint
3. B6-SS3					08:30	X	X	X	Grab									Flashpoint									3	Analyze RCRA metals, SVOCS
4. B6-SS4					08:45	X	X	X	Grab									Flashpoint									3	↓
5. 10SD-SS5					11:15	X	X	X	Grab									Flashpoint									4	Analyze RCRA metals, SVOCS, flashpoint
6. M-1					-	X	X	X	Grab									Flashpoint									4	↓
7. FB-1					11:30	X	X	X	Grab									Flashpoint									3	Analyze RCRA metals, SVOCS, flashpoint
8.																												
9.																												
10.																												

Relinquished By: Brook Shupke Date: 6/21/11 Time: 06:00

Relinquished By: _____ Date: _____ Time: _____

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____

Received by: BBH Date: 6/29/11 Time: 10:30

Air Bill Number: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator 4.7°C



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 18, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102921
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/29/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Bach Pham".

Bach Pham
Report Reviewer
bpham@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22919-SS1_0.5-0.5	1102921-01	Soil	06/28/11 13:00	06/29/11 10:30
22919-SS2_0.5-0.5	1102921-02	Soil	06/28/11 13:15	06/29/11 10:30
22919-SS3_0.5-0.5	1102921-03	Soil	06/28/11 13:30	06/29/11 10:30
22919-SS4_0.5-0.5	1102921-04	Soil	06/28/11 13:45	06/29/11 10:30
RR-E4-SS1_0.5-0.5	1102921-05	Soil	06/28/11 15:15	06/29/11 10:30
222A-SS1_0.5-0.5	1102921-06	Soil	06/28/11 15:30	06/29/11 10:30
222A-SS2_0.5-0.5	1102921-07	Soil	06/28/11 15:45	06/29/11 10:30
222A-SS3_0.5-0.5	1102921-08	Soil	06/28/11 16:00	06/29/11 10:30
E5-SS1_0.5-0.5	1102921-09	Soil	06/28/11 16:30	06/29/11 10:30
D5-SS1_0.5-0.5	1102921-10	Soil	06/28/11 12:00	06/29/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 4.7

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22919-SS1_0.5-0.5 (1102921-01) Soil Sampled: 06/28/11 13:00 Received: 06/29/11 10:30										
Arsenic	6.2	0.58	0.064	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	150	1.2	0.073	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	1.0	0.29	0.038	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	28	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	13	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	0.47	0.29	0.019	mg/kg dry	1	"	"	"	"	
22919-SS2_0.5-0.5 (1102921-02) Soil Sampled: 06/28/11 13:15 Received: 06/29/11 10:30										
Arsenic	6.4	0.62	0.068	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	160	1.2	0.074	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	1.3	0.31	0.041	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	36	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	14	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	0.74	0.31	0.020	mg/kg dry	1	"	"	"	"	
22919-SS3_0.5-0.5 (1102921-03) Soil Sampled: 06/28/11 13:30 Received: 06/29/11 10:30										
Arsenic	6.5	0.59	0.064	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	180	1.2	0.074	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	1.5	0.29	0.039	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	38	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	16	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	0.92	0.29	0.019	mg/kg dry	1	"	"	"	"	
22919-SS4_0.5-0.5 (1102921-04) Soil Sampled: 06/28/11 13:45 Received: 06/29/11 10:30										
Arsenic	6.5	0.62	0.068	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	170	1.1	0.068	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	0.96	0.31	0.041	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	31	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	14	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	0.50	0.31	0.020	mg/kg dry	1	"	"	"	"	
RR-E4-SS1_0.5-0.5 (1102921-05) Soil Sampled: 06/28/11 15:15 Received: 06/29/11 10:30										
Arsenic	6.4	0.59	0.064	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-E4-SS1_0.5-0.5 (1102921-05) Soil Sampled: 06/28/11 15:15 Received: 06/29/11 10:30										
Barium	150	1.2	0.074	mg/kg dry	1	B1G1214	07/12/11	07/13/11	EPA 6010B	
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	18	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	11	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
222A-SS1_0.5-0.5 (1102921-06) Soil Sampled: 06/28/11 15:30 Received: 06/29/11 10:30										
Arsenic	3.0	0.53	0.058	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	38	0.98	0.059	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	9.1	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	5.9	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.098	0.098	0.019	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
222A-SS2_0.5-0.5 (1102921-07) Soil Sampled: 06/28/11 15:45 Received: 06/29/11 10:30										
Arsenic	5.1	0.56	0.061	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	75	1.1	0.067	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	17	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	10	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
222A-SS3_0.5-0.5 (1102921-08) Soil Sampled: 06/28/11 16:00 Received: 06/29/11 10:30										
Arsenic	5.2	0.60	0.065	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	86	1.1	0.067	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	<0.30	0.30	0.039	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	14	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	12	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
E5-SS1_0.5-0.5 (1102921-09) Soil Sampled: 06/28/11 16:30 Received: 06/29/11 10:30										
Arsenic	4.6	0.59	0.065	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	76	1.2	0.071	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E5-SS1_0.5-0.5 (1102921-09) Soil Sampled: 06/28/11 16:30 Received: 06/29/11 10:30										
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Chromium	13	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	8.8	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
D5-SS1_0.5-0.5 (1102921-10) Soil Sampled: 06/28/11 12:00 Received: 06/29/11 10:30										
Arsenic	6.2	0.60	0.065	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	96	1.2	0.071	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	<0.30	0.30	0.039	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	18	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	8.8	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0603	07/06/11	07/07/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22919-SS1_0.5-0.5 (1102921-01) Soil Sampled: 06/28/11 13:00 Received: 06/29/11 10:30										
% Solids	82			%	1	B1G0614	07/06/11	07/06/11	% calculation	
22919-SS2_0.5-0.5 (1102921-02) Soil Sampled: 06/28/11 13:15 Received: 06/29/11 10:30										
% Solids	81			%	1	B1G0614	07/06/11	07/06/11	% calculation	
22919-SS3_0.5-0.5 (1102921-03) Soil Sampled: 06/28/11 13:30 Received: 06/29/11 10:30										
% Solids	81			%	1	B1G0614	07/06/11	07/06/11	% calculation	
22919-SS4_0.5-0.5 (1102921-04) Soil Sampled: 06/28/11 13:45 Received: 06/29/11 10:30										
% Solids	81			%	1	B1G0614	07/06/11	07/06/11	% calculation	
RR-E4-SS1_0.5-0.5 (1102921-05) Soil Sampled: 06/28/11 15:15 Received: 06/29/11 10:30										
% Solids	81			%	1	B1G0614	07/06/11	07/06/11	% calculation	
222A-SS1_0.5-0.5 (1102921-06) Soil Sampled: 06/28/11 15:30 Received: 06/29/11 10:30										
% Solids	95			%	1	B1G0614	07/06/11	07/06/11	% calculation	
222A-SS2_0.5-0.5 (1102921-07) Soil Sampled: 06/28/11 15:45 Received: 06/29/11 10:30										
% Solids	90			%	1	B1G0614	07/06/11	07/06/11	% calculation	
222A-SS3_0.5-0.5 (1102921-08) Soil Sampled: 06/28/11 16:00 Received: 06/29/11 10:30										
% Solids	84			%	1	B1G0614	07/06/11	07/06/11	% calculation	
E5-SS1_0.5-0.5 (1102921-09) Soil Sampled: 06/28/11 16:30 Received: 06/29/11 10:30										
% Solids	85			%	1	B1G0614	07/06/11	07/06/11	% calculation	
D5-SS1_0.5-0.5 (1102921-10) Soil Sampled: 06/28/11 12:00 Received: 06/29/11 10:30										
% Solids	84			%	1	B1G0614	07/06/11	07/06/11	% calculation	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092-48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102921
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22919-SS1_0.5-0.5 (1102921-01) Soil Sampled: 06/28/11 13:00 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.82	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.091	0.82	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.073	0.82	0.073	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	2.0	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.82	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.82	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.82	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22919-SS1_0.5-0.5 (1102921-01) Soil Sampled: 06/28/11 13:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.059	0.40	0.059	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
Pyrene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	89.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	74.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22919-SS2_0.5-0.5 (1102921-02) Soil Sampled: 06/28/11 13:15 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22919-SS2_0.5-0.5 (1102921-02) Soil Sampled: 06/28/11 13:15 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.059	0.41	0.059	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	92.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	74.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.2			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092-48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102921
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22919-SS3_0.5-0.5 (1102921-03) Soil Sampled: 06/28/11 13:30 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22919-SS3_0.5-0.5 (1102921-03) Soil Sampled: 06/28/11 13:30 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.059	0.41	0.059	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	90.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22919-SS4_0.5-0.5 (1102921-04) Soil Sampled: 06/28/11 13:45 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22919-SS4_0.5-0.5 (1102921-04) Soil Sampled: 06/28/11 13:45 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.059	0.41	0.059	mg/kg dry	1	B1G0802	07/08/11	07/09/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	62.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-E4-SS1_0.5-0.5 (1102921-05) Soil Sampled: 06/28/11 15:15 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1G0802	07/08/11	07/11/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-E4-SS1_0.5-0.5 (1102921-05) Soil Sampled: 06/28/11 15:15 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.059	0.41	0.059	mg/kg dry	1	B1G0802	07/08/11	07/11/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	85.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	62.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	63.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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222A-SS1_0.5-0.5 (1102921-06) Soil Sampled: 06/28/11 15:30 Received: 06/29/11 10:30

1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G0802	07/08/11	07/11/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.079	0.71	0.079	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.063	0.71	0.063	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.71	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.71	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.71	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
222A-SS1_0.5-0.5 (1102921-06) Soil Sampled: 06/28/11 15:30 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1G0802	07/08/11	07/11/11	EPA 8270C	
Benzoic acid	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.16	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	89.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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222A-SS2_0.5-0.5 (1102921-07) Soil Sampled: 06/28/11 15:45 Received: 06/29/11 10:30

1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G0802	07/08/11	07/11/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
222A-SS2_0.5-0.5 (1102921-07) Soil Sampled: 06/28/11 15:45 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1G0802	07/08/11	07/11/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	57.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	54.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	58.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	61.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
222A-SS3_0.5-0.5 (1102921-08) Soil Sampled: 06/28/11 16:00 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1G0802	07/08/11	07/11/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
222A-SS3_0.5-0.5 (1102921-08) Soil Sampled: 06/28/11 16:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.057	0.39	0.057	mg/kg dry	1	B1G0802	07/08/11	07/11/11	EPA 8270C	
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	96.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	74.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.2			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092-48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102921
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E5-SS1_0.5-0.5 (1102921-09) Soil Sampled: 06/28/11 16:30 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1G0802	07/08/11	07/11/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E5-SS1_0.5-0.5 (1102921-09) Soil Sampled: 06/28/11 16:30 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1G0802	07/08/11	07/11/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	59.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	61.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D5-SS1_0.5-0.5 (1102921-10) Soil Sampled: 06/28/11 12:00 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1G0802	07/08/11	07/11/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.056	0.39	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D5-SS1_0.5-0.5 (1102921-10) Soil Sampled: 06/28/11 12:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.057	0.39	0.057	mg/kg dry	1	B1G0802	07/08/11	07/11/11	EPA 8270C	
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22919-SS1_0.5-0.5 (1102921-01) Soil Sampled: 06/28/11 13:00 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G1211	07/12/11	07/12/11	EPA 1010A/ASTM D93(M)	
22919-SS2_0.5-0.5 (1102921-02) Soil Sampled: 06/28/11 13:15 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G1211	07/12/11	07/12/11	EPA 1010A/ASTM D93(M)	
22919-SS3_0.5-0.5 (1102921-03) Soil Sampled: 06/28/11 13:30 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G1316	07/13/11	07/13/11	EPA 1010A/ASTM D93(M)	
22919-SS4_0.5-0.5 (1102921-04) Soil Sampled: 06/28/11 13:45 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G1316	07/13/11	07/13/11	EPA 1010A/ASTM D93(M)	
222A-SS1_0.5-0.5 (1102921-06) Soil Sampled: 06/28/11 15:30 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G1316	07/13/11	07/13/11	EPA 1010A/ASTM D93(M)	
222A-SS2_0.5-0.5 (1102921-07) Soil Sampled: 06/28/11 15:45 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G1316	07/13/11	07/13/11	EPA 1010A/ASTM D93(M)	
222A-SS3_0.5-0.5 (1102921-08) Soil Sampled: 06/28/11 16:00 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G1316	07/13/11	07/13/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0507 - EPA 3050B											
Blank (B1G0507-BLK1)											
					Prepared: 07/05/11 Analyzed: 07/11/11						
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0507-BS1)											
					Prepared: 07/05/11 Analyzed: 07/11/11						
Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		102	80-120			
Cadmium	40.6	0.25	0.033	mg/kg wet	39.9		102	80-120			
Chromium	41.1	0.50	0.012	mg/kg wet	39.9		103	80-120			
Lead	40.6	1.0	0.14	mg/kg wet	39.9		102	80-120			
Selenium	40.8	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.08	0.25	0.016	mg/kg wet	3.99		102	80-120			
LCS Dup (B1G0507-BSD1)											
					Prepared: 07/05/11 Analyzed: 07/11/11						
Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120	0.0985	20	
Cadmium	40.7	0.25	0.033	mg/kg wet	39.9		102	80-120	0.302	20	
Chromium	41.2	0.50	0.012	mg/kg wet	39.9		103	80-120	0.180	20	
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120	0.0668	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	0.374	20	
Silver	4.09	0.25	0.016	mg/kg wet	3.99		102	80-120	0.166	20	
Matrix Spike (B1G0507-MS1)											
					Source: 1102924-02		Prepared: 07/05/11 Analyzed: 07/11/11				
Arsenic	44.9	0.56	0.061	mg/kg dry	44.3	3.21	94.3	75-125			
Cadmium	42.7	0.28	0.037	mg/kg dry	44.3	<0.28	96.1	75-125			
Chromium	57.3	0.56	0.013	mg/kg dry	44.3	17.9	89.1	75-125			
Lead	44.8	1.1	0.16	mg/kg dry	44.3	4.46	91.2	75-125			
Selenium	40.9	1.1	0.11	mg/kg dry	44.3	<1.1	92.3	75-125			
Silver	4.19	0.28	0.018	mg/kg dry	4.43	<0.28	94.6	75-125			
Matrix Spike Dup (B1G0507-MSD1)											
					Source: 1102924-02		Prepared: 07/05/11 Analyzed: 07/11/11				
Arsenic	43.9	0.56	0.061	mg/kg dry	43.9	3.21	92.6	75-125	2.42	20	
Cadmium	41.3	0.28	0.037	mg/kg dry	43.9	<0.28	93.7	75-125	3.41	20	
Chromium	55.7	0.56	0.013	mg/kg dry	43.9	17.9	86.0	75-125	2.99	20	
Lead	44.0	1.1	0.16	mg/kg dry	43.9	4.46	90.0	75-125	1.96	20	
Selenium	39.6	1.1	0.11	mg/kg dry	43.9	<1.1	90.3	75-125	3.04	20	
Silver	4.03	0.28	0.018	mg/kg dry	4.39	<0.28	91.8	75-125	3.82	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0603 - EPA 7471A											
Blank (B1G0603-BLK1)						Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0603-BS1)						Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.215	0.10	0.019	mg/kg wet	0.200		108	80-120			
LCS Dup (B1G0603-BSD1)						Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.213	0.10	0.019	mg/kg wet	0.200		106	80-120	0.935	20	
Matrix Spike (B1G0603-MS1)						Source: 1102876-01 Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.248	0.11	0.021	mg/kg dry	0.216	<0.11	101	75-125			
Matrix Spike Dup (B1G0603-MSD1)						Source: 1102876-01 Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.272	0.11	0.021	mg/kg dry	0.216	<0.11	112	75-125	9.16	20	
Batch B1G1214 - EPA 3050B											
Blank (B1G1214-BLK1)						Prepared: 07/12/11 Analyzed: 07/13/11					
Barium	< 1.0	1.0	0.060	mg/kg wet							
LCS (B1G1214-BS1)						Prepared: 07/12/11 Analyzed: 07/13/11					
Barium	41.9	1.0	0.060	mg/kg wet	39.9		105	80-120			
LCS Dup (B1G1214-BSD1)						Prepared: 07/12/11 Analyzed: 07/13/11					
Barium	42.0	1.0	0.060	mg/kg wet	39.9		105	80-120	0.160	20	
Matrix Spike (B1G1214-MS1)						Source: 1102924-02 Prepared: 07/12/11 Analyzed: 07/13/11					
Barium	101	1.1	0.067	mg/kg dry	42.7	66.7	79.8	75-125			
Matrix Spike Dup (B1G1214-MSD1)						Source: 1102924-02 Prepared: 07/12/11 Analyzed: 07/13/11					
Barium	106	1.1	0.067	mg/kg dry	42.9	66.7	90.6	75-125	4.63	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G0614 - General Preparation												
Duplicate (B1G0614-DUP1)							Source: 1102883-10					Prepared & Analyzed: 07/06/11
% Solids	78.0			%		79.0			1.27	20		
Duplicate (B1G0614-DUP2)							Source: 1102883-20					Prepared & Analyzed: 07/06/11
% Solids	85.0			%		86.0			1.17	20		
Duplicate (B1G0614-DUP3)							Source: 1102921-10					Prepared & Analyzed: 07/06/11
% Solids	85.0			%		84.0			1.18	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Blank (B1G0802-BLK1)

Prepared: 07/08/11 Analyzed: 07/11/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Blank (B1G0802-BLK1)

Prepared: 07/08/11 Analyzed: 07/11/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.57			mg/kg wet	6.67		68.6	53-107			
Surrogate: 2-Fluorobiphenyl	3.77			mg/kg wet	6.67		56.6	53.9-97.9			
Surrogate: 2-Fluorophenol	3.77			mg/kg wet	6.67		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.09			mg/kg wet	6.67		61.4	48.9-100			
Surrogate: Phenol-d6	4.20			mg/kg wet	6.67		63.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.23			mg/kg wet	6.67		63.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

LCS (B1G0802-BS1)

Prepared: 07/08/11 Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.64	0.33	0.031	mg/kg wet	6.67		69.6	59.1-87.7			
1,4-Dichlorobenzene	4.28	0.33	0.029	mg/kg wet	6.67		64.2	50.3-72.9			
2,4-Dinitrotoluene	4.85	0.33	0.035	mg/kg wet	6.67		72.7	59.8-82.2			
2-Chlorophenol	4.76	0.67	0.060	mg/kg wet	6.67		71.4	59.7-77.3			
4-Chloro-3-methylphenol	4.86	0.67	0.066	mg/kg wet	6.67		72.9	63.6-80.4			
4-Nitrophenol	4.91	0.67	0.093	mg/kg wet	6.67		73.7	57.3-84.9			
Anthracene	5.07	0.33	0.036	mg/kg wet	6.67		76.1	67.3-88			
Benzo(a)anthracene	5.47	0.33	0.041	mg/kg wet	6.67		82.1	66.5-90.5			
Benzo(a)pyrene	5.56	0.33	0.042	mg/kg wet	6.67		83.4	66.1-89.7			
Chrysene	5.46	0.33	0.044	mg/kg wet	6.67		81.9	65.5-90.5			
Fluoranthene	5.16	0.33	0.039	mg/kg wet	6.67		77.5	66.7-89.9			
Fluorene	4.69	0.33	0.035	mg/kg wet	6.67		70.4	66.2-85.6			
N-Nitrosodi-n-propylamine	4.85	0.33	0.033	mg/kg wet	6.67		72.7	59.4-78			
Pentachlorophenol	5.10	0.67	0.078	mg/kg wet	6.67		76.6	46.7-83.2			
Phenanthrene	5.18	0.33	0.036	mg/kg wet	6.67		77.6	67.5-87.9			
Phenol	4.17	0.67	0.069	mg/kg wet	6.67		62.6	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.28			mg/kg wet	6.67		79.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.34			mg/kg wet	6.67		65.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.38			mg/kg wet	6.67		65.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.70			mg/kg wet	6.67		70.5	48.9-100			
Surrogate: Phenol-d6	4.80			mg/kg wet	6.67		71.9	50.4-99.6			
Surrogate: Terphenyl-d14	4.85			mg/kg wet	6.67		72.8	51-99.6			

Matrix Spike (B1G0802-MS1)

Source: 1102919-02

Prepared: 07/08/11 Analyzed: 07/09/11

1,2,4-Trichlorobenzene	4.24	0.34	0.032	mg/kg dry	6.94	<0.34	61.1	44.8-97.9			
1,4-Dichlorobenzene	3.81	0.34	0.030	mg/kg dry	6.94	<0.34	55.0	42.3-77.9			
2,4-Dinitrotoluene	4.74	0.34	0.036	mg/kg dry	6.94	<0.34	68.3	57.3-86.6			
2-Chlorophenol	4.12	0.70	0.062	mg/kg dry	6.94	<0.70	59.4	43.3-93.2			
4-Chloro-3-methylphenol	4.57	0.70	0.069	mg/kg dry	6.94	<0.70	66.0	47.1-97.6			
4-Nitrophenol	4.56	0.70	0.097	mg/kg dry	6.94	<0.70	65.8	49.3-96.2			
Anthracene	5.06	0.34	0.038	mg/kg dry	6.94	<0.34	73.0	67.5-93.1			
Benzo(a)anthracene	5.37	0.34	0.043	mg/kg dry	6.94	<0.34	77.4	59.8-95.7			
Benzo(a)pyrene	5.21	0.34	0.044	mg/kg dry	6.94	<0.34	75.1	59.8-92.7			
Chrysene	5.35	0.34	0.046	mg/kg dry	6.94	<0.34	77.1	62.5-94.6			
Fluoranthene	4.99	0.34	0.041	mg/kg dry	6.94	<0.34	72.0	61.3-92.8			
Fluorene	4.61	0.34	0.036	mg/kg dry	6.94	<0.34	66.4	62.8-92.6			
N-Nitrosodi-n-propylamine	4.46	0.34	0.034	mg/kg dry	6.94	<0.34	64.3	46.9-89.9			
Pentachlorophenol	4.90	0.70	0.081	mg/kg dry	6.94	<0.70	70.6	40.1-95.1			
Phenanthrene	5.17	0.34	0.038	mg/kg dry	6.94	<0.34	74.6	65.2-92.2			
Phenol	3.68	0.70	0.072	mg/kg dry	6.94	<0.70	53.1	44.7-91			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092-48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1102921
Date Reported: 07/18/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Matrix Spike (B1G0802-MS1)

Source: 1102919-02

Prepared: 07/08/11

Analyzed: 07/09/11

Surrogate: 2,4,6-Tribromophenol	5.68			mg/kg dry	6.94		81.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.00			mg/kg dry	6.94		57.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.92			mg/kg dry	6.94		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.23			mg/kg dry	6.94		61.0	48.9-100			
Surrogate: Phenol-d6	4.37			mg/kg dry	6.94		63.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.79			mg/kg dry	6.94		69.1	51-99.6			

Matrix Spike Dup (B1G0802-MSD1)

Source: 1102919-02

Prepared: 07/08/11

Analyzed: 07/09/11

1,2,4-Trichlorobenzene	4.32	0.34	0.032	mg/kg dry	6.95	<0.34	62.2	44.8-97.9	2.06	19.6	
1,4-Dichlorobenzene	3.89	0.34	0.030	mg/kg dry	6.95	<0.34	56.0	42.3-77.9	2.04	22.4	
2,4-Dinitrotoluene	5.16	0.34	0.036	mg/kg dry	6.95	<0.34	74.3	57.3-86.6	8.64	19.5	
2-Chlorophenol	4.25	0.70	0.062	mg/kg dry	6.95	<0.70	61.2	43.3-93.2	3.14	23.7	
4-Chloro-3-methylphenol	4.99	0.70	0.069	mg/kg dry	6.95	<0.70	71.8	47.1-97.6	8.69	18.3	
4-Nitrophenol	5.03	0.70	0.097	mg/kg dry	6.95	<0.70	72.4	49.3-96.2	9.73	20.4	
Anthracene	5.52	0.34	0.038	mg/kg dry	6.95	<0.34	79.4	67.5-93.1	8.66	19.9	
Benzo(a)anthracene	5.74	0.34	0.043	mg/kg dry	6.95	<0.34	82.6	59.8-95.7	6.71	23.4	
Benzo(a)pyrene	5.60	0.34	0.044	mg/kg dry	6.95	<0.34	80.5	59.8-92.7	7.23	21.1	
Chrysene	5.72	0.34	0.046	mg/kg dry	6.95	<0.34	82.4	62.5-94.6	6.77	24.8	
Fluoranthene	5.47	0.34	0.041	mg/kg dry	6.95	<0.34	78.8	61.3-92.8	9.22	21.8	
Fluorene	5.04	0.34	0.036	mg/kg dry	6.95	<0.34	72.5	62.8-92.6	8.92	17.6	
N-Nitrosodi-n-propylamine	4.69	0.34	0.034	mg/kg dry	6.95	<0.34	67.5	46.9-89.9	5.16	18.9	
Pentachlorophenol	5.32	0.70	0.081	mg/kg dry	6.95	<0.70	76.5	40.1-95.1	8.27	19.7	
Phenanthrene	5.64	0.34	0.038	mg/kg dry	6.95	<0.34	81.2	65.2-92.2	8.69	20.5	
Phenol	3.81	0.70	0.072	mg/kg dry	6.95	<0.70	54.8	44.7-91	3.35	17.9	
Surrogate: 2,4,6-Tribromophenol	6.22			mg/kg dry	6.95		89.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.29			mg/kg dry	6.95		61.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.01			mg/kg dry	6.95		57.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.37			mg/kg dry	6.95		62.9	48.9-100			
Surrogate: Phenol-d6	4.53			mg/kg dry	6.95		65.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.05			mg/kg dry	6.95		72.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092-48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102921 Date Reported: 07/18/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1211 - General Prep											
Duplicate (B1G1211-DUP1)						Source: 1102883-18		Prepared & Analyzed: 07/12/11			
Flashpoint	>140			°F		0.00				5	
Reference (B1G1211-SRM1)											
								Prepared & Analyzed: 07/12/11			
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			
Batch B1G1316 - General Prep											
Duplicate (B1G1316-DUP1)						Source: 1102921-03		Prepared & Analyzed: 07/13/11			
Flashpoint	>140			°F		>140				5	
Reference (B1G1316-SRM1)											
								Prepared & Analyzed: 07/13/11			
Flashpoint	78.0			°F	78.0		100	97.4-102.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092-48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1102921
Date Reported: 07/18/11

Notes and Definitions

J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 1102921

Project Number: 23119-1092-4881 810
Project Name: ~~UMORE~~ ~~COAST~~ - GAO center
Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 36472

COC 2 of 2
Project Manager: JME
Project OC Contact: AAN
Sampled by: AKB/AMB
Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	Number of Containers/Preservative														Total Number Of Containers	
						Water	Soil		Water							Soil								
						Water	Soil		VOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General Range Organics (HCl)	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOs (unpreserved) #2	% Solids (plastic vial, unpres.)	Flashpoint			
1. 22919-SS1	05	05	ft	06/28/21	13:00	X	X	X																1
2. 22919-SS2					13:15	X	X	X																4
3. 22919-SS3					13:30	X	X	X																4
4. 22919-SS4					13:45	X	X	X																4
5. RR-24-SS1					15:15	X	X	X																3
6. 222A-SS1					15:30	X	X	X																4
7. 222A-SS2					15:45	X	X	X																4
8. 222A-SS3					16:00	X	X	X																4
9. E5-SS1					16:30	X	X	X																3
10. D5-SS1					12:00	X	X	X																3

Matrix: Water, Soil, Grab, Comp, OC

Relinquished By: *Krist Schuyke* Date: 6/29/21 On Ice? Y N

Relinquished By: *Shawn* Date: 6/29/21 On Ice? Y N

Received by: *Shawn* Date: 6/29/21 Time: 10:30

Samples Shipped VIA: Air Freight Federal Express Sampler Other:

Air Bill Number: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator
4. FC

RR custody seals

H:\RLG\STFORMS\Chain of Custody Form 2009 RLG Rev 0910109



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 18, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102923
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/29/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Bach Pham".

Bach Pham
Report Reviewer
bpham@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102923 Date Reported: 07/18/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
228-SB1_12-12	1102923-01	Soil	06/28/11 08:10	06/29/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 3.5

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Recovery for mercury in the MS sample and the corresponding %RPD were above the laboratory control limits. The LCS/LCSD/MSD samples and the LCS/LCSD %RPD were within limits. The MS/MSD source sample was not associated with this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102923 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
228-SB1_12-12 (1102923-01) Soil Sampled: 06/28/11 08:10 Received: 06/29/11 10:30										
Arsenic	1.8	0.52	0.057	mg/kg dry	1	B1F3006	06/30/11	06/30/11	EPA 6010B	
Barium	16	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	34	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.6	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1F3006	06/30/11	07/01/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	06/30/11	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102923 Date Reported: 07/18/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
228-SB1_12-12 (1102923-01) Soil Sampled: 06/28/11 08:10 Received: 06/29/11 10:30										
% Solids	96			%	1	B1G0621	07/06/11	07/06/11	% calculation	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102923
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
228-SB1_12-12 (1102923-01) Soil Sampled: 06/28/11 08:10 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G0802	07/08/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102923 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
228-SB1_12-12 (1102923-01) Soil Sampled: 06/28/11 08:10 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1G0802	07/08/11	07/12/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	0.091	0.34	0.044	mg/kg dry	1	"	"	"	"	J
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	82.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	58.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	60.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	62.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102923 Date Reported: 07/18/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
228-SB1_12-12 (1102923-01) Soil Sampled: 06/28/11 08:10 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G1316	07/13/11	07/13/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102923 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3006 - EPA 3050B

Blank (B1F3006-BLK1)

Prepared & Analyzed: 06/30/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1F3006-BS1)

Prepared & Analyzed: 06/30/11

Arsenic	43.1	0.50	0.055	mg/kg wet	39.9		108	80-120			
Barium	42.7	1.0	0.060	mg/kg wet	39.9		107	80-120			
Cadmium	42.2	0.25	0.033	mg/kg wet	39.9		106	80-120			
Chromium	42.9	0.50	0.012	mg/kg wet	39.9		107	80-120			
Lead	42.4	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	43.3	1.0	0.095	mg/kg wet	39.9		109	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1F3006-BSD1)

Prepared & Analyzed: 06/30/11

Arsenic	42.5	0.50	0.055	mg/kg wet	39.9		107	80-120	1.40	20	
Barium	42.2	1.0	0.060	mg/kg wet	39.9		106	80-120	1.25	20	
Cadmium	41.4	0.25	0.033	mg/kg wet	39.9		104	80-120	1.87	20	
Chromium	42.3	0.50	0.012	mg/kg wet	39.9		106	80-120	1.33	20	
Lead	41.7	1.0	0.14	mg/kg wet	39.9		105	80-120	1.59	20	
Selenium	42.7	1.0	0.095	mg/kg wet	39.9		107	80-120	1.56	20	
Silver	4.03	0.25	0.016	mg/kg wet	3.99		101	80-120	3.10	20	

Matrix Spike (B1F3006-MS1)

Source: 1102864-01

Prepared & Analyzed: 06/30/11

Arsenic	50.7	0.57	0.063	mg/kg dry	45.6	5.26	99.5	75-125			
Barium	116	1.1	0.069	mg/kg dry	45.6	71.3	97.1	75-125			
Cadmium	45.2	0.29	0.038	mg/kg dry	45.6	<0.29	98.7	75-125			
Chromium	59.1	0.57	0.014	mg/kg dry	45.6	13.7	99.4	75-125			
Lead	53.5	1.1	0.16	mg/kg dry	45.6	11.9	91.1	75-125			
Selenium	46.0	1.1	0.11	mg/kg dry	45.6	<1.1	100	75-125			
Silver	4.23	0.29	0.018	mg/kg dry	4.56	<0.29	92.7	75-125			

Matrix Spike Dup (B1F3006-MSD1)

Source: 1102864-01

Prepared & Analyzed: 06/30/11

Arsenic	50.9	0.57	0.063	mg/kg dry	45.0	5.26	101	75-125	0.486	20	
Barium	122	1.1	0.069	mg/kg dry	45.0	71.3	112	75-125	5.19	20	
Cadmium	45.0	0.29	0.038	mg/kg dry	45.0	<0.29	99.7	75-125	0.329	20	
Chromium	60.5	0.57	0.014	mg/kg dry	45.0	13.7	104	75-125	2.31	20	
Lead	53.6	1.1	0.16	mg/kg dry	45.0	11.9	92.4	75-125	0.0836	20	
Selenium	46.0	1.1	0.11	mg/kg dry	45.0	<1.1	102	75-125	0.0223	20	



88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102923 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1F3006 - EPA 3050B											
Matrix Spike Dup (B1F3006-MSD1) Source: 1102864-01 Prepared & Analyzed: 06/30/11											
Silver	4.14	0.29	0.018	mg/kg dry	4.50	<0.29	91.8	75-125	2.30	20	
Batch B1G0102 - EPA 7471A											
Blank (B1G0102-BLK1) Prepared: 07/01/11 Analyzed: 07/06/11											
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0102-BS1) Prepared: 07/01/11 Analyzed: 07/06/11											
Mercury	0.197	0.10	0.019	mg/kg wet	0.200		98.5	80-120			
LCS Dup (B1G0102-BSD1) Prepared: 07/01/11 Analyzed: 07/06/11											
Mercury	0.197	0.10	0.019	mg/kg wet	0.200		98.5	80-120	0.00	20	
Matrix Spike (B1G0102-MS1) Source: 1102850-01 Prepared: 07/01/11 Analyzed: 07/06/11											
Mercury	0.394	0.11	0.020	mg/kg dry	0.214	<0.11	144	75-125			M1
Matrix Spike Dup (B1G0102-MSD1) Source: 1102850-01 Prepared: 07/01/11 Analyzed: 07/06/11											
Mercury	0.300	0.11	0.020	mg/kg dry	0.208	<0.11	103	75-125	27.0	20	QR-04

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102923 Date Reported: 07/18/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G0621 - General Preparation												
Duplicate (B1G0621-DUP1)							Source: 1102924-03					Prepared & Analyzed: 07/06/11
% Solids	91.0			%		88.0			3.35	20		
Duplicate (B1G0621-DUP2)							Source: 1102930-06					Prepared & Analyzed: 07/06/11
% Solids	81.0			%		81.0			0.00	20		
Duplicate (B1G0621-DUP3)							Source: 1102962-04					Prepared & Analyzed: 07/06/11
% Solids	97.0			%		98.0			1.03	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102923 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Blank (B1G0802-BLK1)

Prepared: 07/08/11 Analyzed: 07/11/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102923 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Blank (B1G0802-BLK1)

Prepared: 07/08/11 Analyzed: 07/11/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.57			mg/kg wet	6.67		68.6	53-107			
Surrogate: 2-Fluorobiphenyl	3.77			mg/kg wet	6.67		56.6	53.9-97.9			
Surrogate: 2-Fluorophenol	3.77			mg/kg wet	6.67		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.09			mg/kg wet	6.67		61.4	48.9-100			
Surrogate: Phenol-d6	4.20			mg/kg wet	6.67		63.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.23			mg/kg wet	6.67		63.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102923 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

LCS (B1G0802-BS1)

Prepared: 07/08/11 Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.64	0.33	0.031	mg/kg wet	6.67		69.6	59.1-87.7			
1,4-Dichlorobenzene	4.28	0.33	0.029	mg/kg wet	6.67		64.2	50.3-72.9			
2,4-Dinitrotoluene	4.85	0.33	0.035	mg/kg wet	6.67		72.7	59.8-82.2			
2-Chlorophenol	4.76	0.67	0.060	mg/kg wet	6.67		71.4	59.7-77.3			
4-Chloro-3-methylphenol	4.86	0.67	0.066	mg/kg wet	6.67		72.9	63.6-80.4			
4-Nitrophenol	4.91	0.67	0.093	mg/kg wet	6.67		73.7	57.3-84.9			
Anthracene	5.07	0.33	0.036	mg/kg wet	6.67		76.1	67.3-88			
Benzo(a)anthracene	5.47	0.33	0.041	mg/kg wet	6.67		82.1	66.5-90.5			
Benzo(a)pyrene	5.56	0.33	0.042	mg/kg wet	6.67		83.4	66.1-89.7			
Chrysene	5.46	0.33	0.044	mg/kg wet	6.67		81.9	65.5-90.5			
Fluoranthene	5.16	0.33	0.039	mg/kg wet	6.67		77.5	66.7-89.9			
Fluorene	4.69	0.33	0.035	mg/kg wet	6.67		70.4	66.2-85.6			
N-Nitrosodi-n-propylamine	4.85	0.33	0.033	mg/kg wet	6.67		72.7	59.4-78			
Pentachlorophenol	5.10	0.67	0.078	mg/kg wet	6.67		76.6	46.7-83.2			
Phenanthrene	5.18	0.33	0.036	mg/kg wet	6.67		77.6	67.5-87.9			
Phenol	4.17	0.67	0.069	mg/kg wet	6.67		62.6	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.28			mg/kg wet	6.67		79.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.34			mg/kg wet	6.67		65.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.38			mg/kg wet	6.67		65.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.70			mg/kg wet	6.67		70.5	48.9-100			
Surrogate: Phenol-d6	4.80			mg/kg wet	6.67		71.9	50.4-99.6			
Surrogate: Terphenyl-d14	4.85			mg/kg wet	6.67		72.8	51-99.6			

Matrix Spike (B1G0802-MS1)

Source: 1102919-02

Prepared: 07/08/11 Analyzed: 07/09/11

1,2,4-Trichlorobenzene	4.24	0.34	0.032	mg/kg dry	6.94	<0.34	61.1	44.8-97.9			
1,4-Dichlorobenzene	3.81	0.34	0.030	mg/kg dry	6.94	<0.34	55.0	42.3-77.9			
2,4-Dinitrotoluene	4.74	0.34	0.036	mg/kg dry	6.94	<0.34	68.3	57.3-86.6			
2-Chlorophenol	4.12	0.70	0.062	mg/kg dry	6.94	<0.70	59.4	43.3-93.2			
4-Chloro-3-methylphenol	4.57	0.70	0.069	mg/kg dry	6.94	<0.70	66.0	47.1-97.6			
4-Nitrophenol	4.56	0.70	0.097	mg/kg dry	6.94	<0.70	65.8	49.3-96.2			
Anthracene	5.06	0.34	0.038	mg/kg dry	6.94	<0.34	73.0	67.5-93.1			
Benzo(a)anthracene	5.37	0.34	0.043	mg/kg dry	6.94	<0.34	77.4	59.8-95.7			
Benzo(a)pyrene	5.21	0.34	0.044	mg/kg dry	6.94	<0.34	75.1	59.8-92.7			
Chrysene	5.35	0.34	0.046	mg/kg dry	6.94	<0.34	77.1	62.5-94.6			
Fluoranthene	4.99	0.34	0.041	mg/kg dry	6.94	<0.34	72.0	61.3-92.8			
Fluorene	4.61	0.34	0.036	mg/kg dry	6.94	<0.34	66.4	62.8-92.6			
N-Nitrosodi-n-propylamine	4.46	0.34	0.034	mg/kg dry	6.94	<0.34	64.3	46.9-89.9			
Pentachlorophenol	4.90	0.70	0.081	mg/kg dry	6.94	<0.70	70.6	40.1-95.1			
Phenanthrene	5.17	0.34	0.038	mg/kg dry	6.94	<0.34	74.6	65.2-92.2			
Phenol	3.68	0.70	0.072	mg/kg dry	6.94	<0.70	53.1	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102923 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0802 - EPA 3545 ASE Extraction

Matrix Spike (B1G0802-MS1)

Source: 1102919-02

Prepared: 07/08/11

Analyzed: 07/09/11

Surrogate: 2,4,6-Tribromophenol	5.68			mg/kg dry	6.94		81.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.00			mg/kg dry	6.94		57.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.92			mg/kg dry	6.94		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.23			mg/kg dry	6.94		61.0	48.9-100			
Surrogate: Phenol-d6	4.37			mg/kg dry	6.94		63.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.79			mg/kg dry	6.94		69.1	51-99.6			

Matrix Spike Dup (B1G0802-MSD1)

Source: 1102919-02

Prepared: 07/08/11

Analyzed: 07/09/11

1,2,4-Trichlorobenzene	4.32	0.34	0.032	mg/kg dry	6.95	<0.34	62.2	44.8-97.9	2.06	19.6	
1,4-Dichlorobenzene	3.89	0.34	0.030	mg/kg dry	6.95	<0.34	56.0	42.3-77.9	2.04	22.4	
2,4-Dinitrotoluene	5.16	0.34	0.036	mg/kg dry	6.95	<0.34	74.3	57.3-86.6	8.64	19.5	
2-Chlorophenol	4.25	0.70	0.062	mg/kg dry	6.95	<0.70	61.2	43.3-93.2	3.14	23.7	
4-Chloro-3-methylphenol	4.99	0.70	0.069	mg/kg dry	6.95	<0.70	71.8	47.1-97.6	8.69	18.3	
4-Nitrophenol	5.03	0.70	0.097	mg/kg dry	6.95	<0.70	72.4	49.3-96.2	9.73	20.4	
Anthracene	5.52	0.34	0.038	mg/kg dry	6.95	<0.34	79.4	67.5-93.1	8.66	19.9	
Benzo(a)anthracene	5.74	0.34	0.043	mg/kg dry	6.95	<0.34	82.6	59.8-95.7	6.71	23.4	
Benzo(a)pyrene	5.60	0.34	0.044	mg/kg dry	6.95	<0.34	80.5	59.8-92.7	7.23	21.1	
Chrysene	5.72	0.34	0.046	mg/kg dry	6.95	<0.34	82.4	62.5-94.6	6.77	24.8	
Fluoranthene	5.47	0.34	0.041	mg/kg dry	6.95	<0.34	78.8	61.3-92.8	9.22	21.8	
Fluorene	5.04	0.34	0.036	mg/kg dry	6.95	<0.34	72.5	62.8-92.6	8.92	17.6	
N-Nitrosodi-n-propylamine	4.69	0.34	0.034	mg/kg dry	6.95	<0.34	67.5	46.9-89.9	5.16	18.9	
Pentachlorophenol	5.32	0.70	0.081	mg/kg dry	6.95	<0.70	76.5	40.1-95.1	8.27	19.7	
Phenanthrene	5.64	0.34	0.038	mg/kg dry	6.95	<0.34	81.2	65.2-92.2	8.69	20.5	
Phenol	3.81	0.70	0.072	mg/kg dry	6.95	<0.70	54.8	44.7-91	3.35	17.9	
Surrogate: 2,4,6-Tribromophenol	6.22			mg/kg dry	6.95		89.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.29			mg/kg dry	6.95		61.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.01			mg/kg dry	6.95		57.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.37			mg/kg dry	6.95		62.9	48.9-100			
Surrogate: Phenol-d6	4.53			mg/kg dry	6.95		65.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.05			mg/kg dry	6.95		72.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102923 Date Reported: 07/18/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1316 - General Prep											
Duplicate (B1G1316-DUP1)		Source: 1102921-03				Prepared & Analyzed: 07/13/11					
Flashpoint	>140			°F		0.00				5	
Reference (B1G1316-SRM1)											
Flashpoint	78.0			°F	78.0		100	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102923 Date Reported: 07/18/11
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Notes and Definitions

- QR-04 The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
- M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-6803
BARR (952) 832-2600

1102923

Project Number: 23/19-1092 488E B10
Project Name: Urono Rd - GOW East
Sample Origin/State: MN (use two letter postal state abbreviation)

CDC Number: No 33967

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type
						Water	Soil	Other	
1. 228-SB1	12	12	ft	6/28/11	8:40	X	X	X	QC
2.									Comp
3.									Grb
4.									Grb
5.									Grb
6.									Grb
7.									Grb
8.									Grb
9.									Grb
10.									Grb

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 280 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Number of Containers/Preservative		Total Number of Containers
Water	Soil	
VOCs (unpreserved) #2		
Disolved Metals (HNO ₃)		
Total Metals (HNO ₃)		
General (unpreserved) #3		
Diesel Range Organics (HCl)		
Nutrients (H ₂ SO ₄) #4		
VOCs (tared MeOH) #1		
DRD (tared unpreserved)		
Metals (unpreserved)		
SVOCs (unpreserved) #2		
% Solids (plastic vial, unpres.)		

CDC: 1 of 5
 Project Manager: JME
 Project OC Contact: AAN
 Sampled by: AON
 Laboratory: Legend

Analyze for VOCs metals SVOCs, Pesticides metals/solids in soil per

Received by: [Signature] Date: 6/29/11 Time: 10:30
 Received by: [Signature] Date: 6/29/11 Time: 10:30
 Air Bill Number: [Blank]

Samples Shipped Via: Air Freight Federal Express Sampler Other

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

302 RB custody scale



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 14, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102924
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/29/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
251A-TT1_0.5-0.5	1102924-01	Soil	06/28/11 10:00	06/29/11 10:30
251A-TT2_4-4	1102924-02	Soil	06/28/11 10:30	06/29/11 10:30
251A-TT3_0.5-0.5	1102924-03	Soil	06/28/11 11:00	06/29/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 4.0

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: 8330 analysis.

Recoveries for tetryl in the 8330 MS/MSD samples were below the laboratory control limits. The LCS sample was within limits. The MS/MSD source sample was 251A-TT1_0.5-0.5.

Recovery for mercury in the MS sample and the corresponding %RPD were above the laboratory control limits. The LCS/LCSD/MSD samples and the LCS/LCSD %RPD were within limits. The MS/MSD source sample was not associated with this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-TT1_0.5-0.5 (1102924-01) Soil Sampled: 06/28/11 10:00 Received: 06/29/11 10:30										
Arsenic	6.0	0.62	0.069	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	120	1.2	0.070	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	16	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	19	1.2	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
251A-TT2_4-4 (1102924-02) Soil Sampled: 06/28/11 10:30 Received: 06/29/11 10:30										
Arsenic	3.2	0.56	0.061	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	67	1.1	0.067	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	18	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	4.5	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
251A-TT3_0.5-0.5 (1102924-03) Soil Sampled: 06/28/11 11:00 Received: 06/29/11 10:30										
Arsenic	3.1	0.57	0.062	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Barium	46	1.1	0.068	mg/kg dry	1	B1G1214	07/12/11	07/13/11	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	B1G0507	07/05/11	07/11/11	"	
Chromium	10	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	19	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0507	07/05/11	07/11/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-TT1_0.5-0.5 (1102924-01) Soil Sampled: 06/28/11 10:00 Received: 06/29/11 10:30										
% Solids	80			%	1	B1G0621	07/06/11	07/06/11	% calculation	
251A-TT2_4-4 (1102924-02) Soil Sampled: 06/28/11 10:30 Received: 06/29/11 10:30										
% Solids	90			%	1	B1G0621	07/06/11	07/06/11	% calculation	
251A-TT3_0.5-0.5 (1102924-03) Soil Sampled: 06/28/11 11:00 Received: 06/29/11 10:30										
% Solids	88			%	1	B1G0621	07/06/11	07/06/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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251A-TT1_0.5-0.5 (1102924-01) Soil **Sampled: 06/28/11 10:00** **Received: 06/29/11 10:30**

1,2,4-Trichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	B1G1101	07/11/11	07/11/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.84	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.094	0.84	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.075	0.84	0.075	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.84	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.082	0.84	0.082	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.84	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.84	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.1	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.072	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.053	0.41	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.074	0.41	0.054	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-TT1_0.5-0.5 (1102924-01) Soil Sampled: 06/28/11 10:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.060	0.41	0.060	mg/kg dry	1	B1G1101	07/11/11	07/11/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	0.070	0.41	0.055	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.14	0.41	0.049	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.050	0.41	0.050	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.12	0.41	0.045	mg/kg dry	1	"	"	"	"	J
Phenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
Pyrene	0.12	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	87.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	85.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	82.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	87.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	92.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-TT2_4-4 (1102924-02) Soil Sampled: 06/28/11 10:30 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G1101	07/11/11	07/11/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-TT2_4-4 (1102924-02) Soil Sampled: 06/28/11 10:30 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1G1101	07/11/11	07/11/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	73.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	83.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	78.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	82.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-TT3_0.5-0.5 (1102924-03) Soil Sampled: 06/28/11 11:00 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1G1101	07/11/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.053	0.38	0.041	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.42	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	1.4	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	4.5	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	4.0	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	5.2	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	1.8	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1102924
Date Reported: 07/14/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-TT3_0.5-0.5 (1102924-03) Soil Sampled: 06/28/11 11:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	2.1	0.38	0.055	mg/kg dry	1	B1G1101	07/11/11	07/13/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	0.69	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	4.5	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.56	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.23	0.38	0.038	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	8.1	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	0.47	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	2.2	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	0.079	0.38	0.038	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	5.1	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	6.9	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	77.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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EXPLOSIVES 8330
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-TT1_0.5-0.5 (1102924-01) Soil Sampled: 06/28/11 10:00 Received: 06/29/11 10:30										
1,3,5-Trinitrobenzene	<0.051	1.2	0.051	mg/kg dry	1	B1G0515	07/05/11	07/13/11	EPA 8330 (M)	
1,3-Dinitrobenzene	<0.056	1.2	0.056	mg/kg dry	1	"	"	"	"	
2,4,6-Trinitrotoluene	<0.15	1.2	0.15	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.046	1.2	0.046	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.11	1.2	0.11	mg/kg dry	1	"	"	"	"	
2-Amino-4,6-Dinitrotoluene	<0.085	1.2	0.085	mg/kg dry	1	"	"	"	"	
2-Nitrotoluene	<0.19	1.2	0.19	mg/kg dry	1	"	"	"	"	
3-Nitrotoluene	<0.28	1.2	0.28	mg/kg dry	1	"	"	"	"	
4-Amino-2,6-Dinitrotoluene	<0.089	1.2	0.089	mg/kg dry	1	"	"	"	"	
4-Nitrotoluene	<0.27	1.2	0.27	mg/kg dry	1	"	"	"	"	
HMX	<0.13	1.2	0.13	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.078	1.2	0.078	mg/kg dry	1	"	"	"	"	
RDX	<0.093	1.2	0.093	mg/kg dry	1	"	"	"	"	
Tetryl	<0.20	1.2	0.20	mg/kg dry	1	"	"	"	"	M2
Surrogate: 1,2-Dinitrobenzene	95.5			70-130 %		"	"	"	"	

251A-TT2_4-4 (1102924-02) Soil Sampled: 06/28/11 10:30 Received: 06/29/11 10:30										
1,3,5-Trinitrobenzene	<0.045	1.1	0.045	mg/kg dry	1	B1G0515	07/05/11	07/13/11	EPA 8330 (M)	
1,3-Dinitrobenzene	<0.049	1.1	0.049	mg/kg dry	1	"	"	"	"	
2,4,6-Trinitrotoluene	<0.14	1.1	0.14	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	1.1	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.094	1.1	0.094	mg/kg dry	1	"	"	"	"	
2-Amino-4,6-Dinitrotoluene	<0.076	1.1	0.076	mg/kg dry	1	"	"	"	"	
2-Nitrotoluene	<0.17	1.1	0.17	mg/kg dry	1	"	"	"	"	
3-Nitrotoluene	<0.25	1.1	0.25	mg/kg dry	1	"	"	"	"	
4-Amino-2,6-Dinitrotoluene	<0.079	1.1	0.079	mg/kg dry	1	"	"	"	"	
4-Nitrotoluene	<0.24	1.1	0.24	mg/kg dry	1	"	"	"	"	
HMX	<0.12	1.1	0.12	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.069	1.1	0.069	mg/kg dry	1	"	"	"	"	
RDX	<0.082	1.1	0.082	mg/kg dry	1	"	"	"	"	
Tetryl	<0.18	1.1	0.18	mg/kg dry	1	"	"	"	"	
Surrogate: 1,2-Dinitrobenzene	96.5			70-130 %		"	"	"	"	

251A-TT3_0.5-0.5 (1102924-03) Soil Sampled: 06/28/11 11:00 Received: 06/29/11 10:30										
1,3,5-Trinitrobenzene	<0.044	1.0	0.044	mg/kg dry	1	B1G0515	07/05/11	07/13/11	EPA 8330 (M)	
1,3-Dinitrobenzene	<0.048	1.0	0.048	mg/kg dry	1	"	"	"	"	
2,4,6-Trinitrotoluene	<0.13	1.0	0.13	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	1.0	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.092	1.0	0.092	mg/kg dry	1	"	"	"	"	
2-Amino-4,6-Dinitrotoluene	<0.074	1.0	0.074	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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EXPLOSIVES 8330
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-TT3_0.5-0.5 (1102924-03) Soil Sampled: 06/28/11 11:00 Received: 06/29/11 10:30										
2-Nitrotoluene	<0.17	1.0	0.17	mg/kg dry	1	B1G0515	07/05/11	07/13/11	EPA 8330 (M)	
3-Nitrotoluene	<0.25	1.0	0.25	mg/kg dry	1	"	"	"	"	
4-Amino-2,6-Dinitrotoluene	<0.077	1.0	0.077	mg/kg dry	1	"	"	"	"	
4-Nitrotoluene	<0.24	1.0	0.24	mg/kg dry	1	"	"	"	"	
HMX	<0.11	1.0	0.11	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.068	1.0	0.068	mg/kg dry	1	"	"	"	"	
RDX	<0.080	1.0	0.080	mg/kg dry	1	"	"	"	"	
Tetryl	<0.18	1.0	0.18	mg/kg dry	1	"	"	"	"	
Surrogate: 1,2-Dinitrobenzene	96.5			70-130 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0102 - EPA 7471A											
Blank (B1G0102-BLK1)						Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0102-BS1)						Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.197	0.10	0.019	mg/kg wet	0.200		98.5	80-120			
LCS Dup (B1G0102-BSD1)						Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.197	0.10	0.019	mg/kg wet	0.200		98.5	80-120	0.00	20	
Matrix Spike (B1G0102-MS1)						Source: 1102850-01 Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.394	0.11	0.020	mg/kg dry	0.214	<0.11	144	75-125			M1
Matrix Spike Dup (B1G0102-MSD1)						Source: 1102850-01 Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.300	0.11	0.020	mg/kg dry	0.208	<0.11	103	75-125	27.0	20	QR-04
Batch B1G0507 - EPA 3050B											
Blank (B1G0507-BLK1)						Prepared: 07/05/11 Analyzed: 07/11/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0507-BS1)						Prepared: 07/05/11 Analyzed: 07/11/11					
Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		102	80-120			
Cadmium	40.6	0.25	0.033	mg/kg wet	39.9		102	80-120			
Chromium	41.1	0.50	0.012	mg/kg wet	39.9		103	80-120			
Lead	40.6	1.0	0.14	mg/kg wet	39.9		102	80-120			
Selenium	40.8	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.08	0.25	0.016	mg/kg wet	3.99		102	80-120			
LCS Dup (B1G0507-BSD1)						Prepared: 07/05/11 Analyzed: 07/11/11					
Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120	0.0985	20	
Cadmium	40.7	0.25	0.033	mg/kg wet	39.9		102	80-120	0.302	20	
Chromium	41.2	0.50	0.012	mg/kg wet	39.9		103	80-120	0.180	20	
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120	0.0668	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	0.374	20	
Silver	4.09	0.25	0.016	mg/kg wet	3.99		102	80-120	0.166	20	
Matrix Spike (B1G0507-MS1)						Source: 1102924-02 Prepared: 07/05/11 Analyzed: 07/11/11					
Arsenic	44.9	0.56	0.061	mg/kg dry	44.3	3.21	94.3	75-125			
Cadmium	42.7	0.28	0.037	mg/kg dry	44.3	<0.28	96.1	75-125			
Chromium	57.3	0.56	0.013	mg/kg dry	44.3	17.9	89.1	75-125			
Lead	44.8	1.1	0.16	mg/kg dry	44.3	4.46	91.2	75-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0507 - EPA 3050B											
Matrix Spike (B1G0507-MS1)		Source: 1102924-02			Prepared: 07/05/11		Analyzed: 07/11/11				
Selenium	40.9	1.1	0.11	mg/kg dry	44.3	<1.1	92.3	75-125			
Silver	4.19	0.28	0.018	mg/kg dry	4.43	<0.28	94.6	75-125			
Matrix Spike Dup (B1G0507-MSD1)											
Matrix Spike Dup (B1G0507-MSD1)		Source: 1102924-02			Prepared: 07/05/11		Analyzed: 07/11/11				
Arsenic	43.9	0.56	0.061	mg/kg dry	43.9	3.21	92.6	75-125	2.42	20	
Cadmium	41.3	0.28	0.037	mg/kg dry	43.9	<0.28	93.7	75-125	3.41	20	
Chromium	55.7	0.56	0.013	mg/kg dry	43.9	17.9	86.0	75-125	2.99	20	
Lead	44.0	1.1	0.16	mg/kg dry	43.9	4.46	90.0	75-125	1.96	20	
Selenium	39.6	1.1	0.11	mg/kg dry	43.9	<1.1	90.3	75-125	3.04	20	
Silver	4.03	0.28	0.018	mg/kg dry	4.39	<0.28	91.8	75-125	3.82	20	
Batch B1G1214 - EPA 3050B											
Blank (B1G1214-BLK1)					Prepared: 07/12/11		Analyzed: 07/13/11				
Barium	< 1.0	1.0	0.060	mg/kg wet							
LCS (B1G1214-BS1)					Prepared: 07/12/11		Analyzed: 07/13/11				
Barium	41.9	1.0	0.060	mg/kg wet	39.9		105	80-120			
LCS Dup (B1G1214-BSD1)					Prepared: 07/12/11		Analyzed: 07/13/11				
Barium	42.0	1.0	0.060	mg/kg wet	39.9		105	80-120	0.160	20	
Matrix Spike (B1G1214-MS1)		Source: 1102924-02			Prepared: 07/12/11		Analyzed: 07/13/11				
Barium	101	1.1	0.067	mg/kg dry	42.7	66.7	79.8	75-125			
Matrix Spike Dup (B1G1214-MSD1)		Source: 1102924-02			Prepared: 07/12/11		Analyzed: 07/13/11				
Barium	106	1.1	0.067	mg/kg dry	42.9	66.7	90.6	75-125	4.63	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G0621 - General Preparation												
Duplicate (B1G0621-DUP1)							Source: 1102924-03					Prepared & Analyzed: 07/06/11
% Solids	91.0			%		88.0			3.35	20		
Duplicate (B1G0621-DUP2)							Source: 1102930-06					Prepared & Analyzed: 07/06/11
% Solids	81.0			%		81.0			0.00	20		
Duplicate (B1G0621-DUP3)							Source: 1102962-04					Prepared & Analyzed: 07/06/11
% Solids	97.0			%		98.0			1.03	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Blank (B1G1101-BLK1)

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Blank (B1G1101-BLK1)

Prepared & Analyzed: 07/11/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.40			mg/kg wet	6.67		66.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.09			mg/kg wet	6.67		61.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.78			mg/kg wet	6.67		56.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.99			mg/kg wet	6.67		59.8	48.9-100			
Surrogate: Phenol-d6	4.07			mg/kg wet	6.67		61.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.46			mg/kg wet	6.67		81.8	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102924
 Date Reported: 07/14/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

LCS (B1G1101-BS1)

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.75	0.33	0.031	mg/kg wet	6.67		71.2	59.1-87.7			
1,4-Dichlorobenzene	4.75	0.33	0.029	mg/kg wet	6.67		71.3	50.3-72.9			
2,4-Dinitrotoluene	5.46	0.33	0.035	mg/kg wet	6.67		81.9	59.8-82.2			
2-Chlorophenol	4.91	0.67	0.060	mg/kg wet	6.67		73.7	59.7-77.3			
4-Chloro-3-methylphenol	5.13	0.67	0.066	mg/kg wet	6.67		76.9	63.6-80.4			
4-Nitrophenol	5.23	0.67	0.093	mg/kg wet	6.67		78.5	57.3-84.9			
Anthracene	5.80	0.33	0.036	mg/kg wet	6.67		87.0	67.3-88			
Benzo(a)anthracene	5.83	0.33	0.041	mg/kg wet	6.67		87.4	66.5-90.5			
Benzo(a)pyrene	5.91	0.33	0.042	mg/kg wet	6.67		88.7	66.1-89.7			
Chrysene	5.82	0.33	0.044	mg/kg wet	6.67		87.3	65.5-90.5			
Fluoranthene	5.79	0.33	0.039	mg/kg wet	6.67		86.8	66.7-89.9			
Fluorene	5.56	0.33	0.035	mg/kg wet	6.67		83.4	66.2-85.6			
N-Nitrosodi-n-propylamine	5.15	0.33	0.033	mg/kg wet	6.67		77.3	59.4-78			
Pentachlorophenol	4.19	0.67	0.078	mg/kg wet	6.67		62.9	46.7-83.2			
Phenanthrene	5.78	0.33	0.036	mg/kg wet	6.67		86.7	67.5-87.9			
Phenol	5.00	0.67	0.069	mg/kg wet	6.67		75.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.03			mg/kg wet	6.67		75.4	53-107			
Surrogate: 2-Fluorobiphenyl	5.15			mg/kg wet	6.67		77.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.84			mg/kg wet	6.67		72.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.97			mg/kg wet	6.67		74.6	48.9-100			
Surrogate: Phenol-d6	5.15			mg/kg wet	6.67		77.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.33			mg/kg wet	6.67		79.9	51-99.6			

Matrix Spike (B1G1101-MS1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.85	0.37	0.034	mg/kg dry	7.45	<0.37	65.1	44.8-97.9			
1,4-Dichlorobenzene	4.88	0.37	0.032	mg/kg dry	7.45	<0.37	65.5	42.3-77.9			
2,4-Dinitrotoluene	5.58	0.37	0.039	mg/kg dry	7.45	<0.37	74.9	57.3-86.6			
2-Chlorophenol	4.98	0.74	0.067	mg/kg dry	7.45	<0.74	66.8	43.3-93.2			
4-Chloro-3-methylphenol	5.30	0.74	0.073	mg/kg dry	7.45	<0.74	71.2	47.1-97.6			
4-Nitrophenol	5.53	0.74	0.10	mg/kg dry	7.45	<0.74	74.3	49.3-96.2			
Anthracene	5.97	0.37	0.040	mg/kg dry	7.45	<0.37	80.2	67.5-93.1			
Benzo(a)anthracene	6.04	0.37	0.046	mg/kg dry	7.45	<0.37	81.1	59.8-95.7			
Benzo(a)pyrene	6.12	0.37	0.047	mg/kg dry	7.45	<0.37	82.1	59.8-92.7			
Chrysene	6.05	0.37	0.049	mg/kg dry	7.45	<0.37	81.3	62.5-94.6			
Fluoranthene	5.98	0.37	0.043	mg/kg dry	7.45	<0.37	80.3	61.3-92.8			
Fluorene	5.66	0.37	0.039	mg/kg dry	7.45	<0.37	76.1	62.8-92.6			
N-Nitrosodi-n-propylamine	5.17	0.37	0.037	mg/kg dry	7.45	<0.37	69.5	46.9-89.9			
Pentachlorophenol	4.74	0.74	0.087	mg/kg dry	7.45	<0.74	63.7	40.1-95.1			
Phenanthrene	5.96	0.37	0.040	mg/kg dry	7.45	<0.37	80.0	65.2-92.2			
Phenol	5.09	0.74	0.077	mg/kg dry	7.45	<0.74	68.3	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Matrix Spike (B1G1101-MS1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

Surrogate: 2,4,6-Tribromophenol	5.21			mg/kg dry	7.45		69.9	53-107			
Surrogate: 2-Fluorobiphenyl	5.23			mg/kg dry	7.45		70.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.97			mg/kg dry	7.45		66.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.19			mg/kg dry	7.45		69.7	48.9-100			
Surrogate: Phenol-d6	5.31			mg/kg dry	7.45		71.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.48			mg/kg dry	7.45		73.6	51-99.6			

Matrix Spike Dup (B1G1101-MSD1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	5.28	0.37	0.034	mg/kg dry	7.45	<0.37	70.9	44.8-97.9	8.53	19.6	
1,4-Dichlorobenzene	5.13	0.37	0.032	mg/kg dry	7.45	<0.37	68.9	42.3-77.9	5.07	22.4	
2,4-Dinitrotoluene	6.08	0.37	0.039	mg/kg dry	7.45	<0.37	81.6	57.3-86.6	8.60	19.5	
2-Chlorophenol	5.43	0.74	0.067	mg/kg dry	7.45	<0.74	72.8	43.3-93.2	8.63	23.7	
4-Chloro-3-methylphenol	5.76	0.74	0.073	mg/kg dry	7.45	<0.74	77.2	47.1-97.6	8.17	18.3	
4-Nitrophenol	6.05	0.74	0.10	mg/kg dry	7.45	<0.74	81.2	49.3-96.2	8.94	20.4	
Anthracene	6.44	0.37	0.040	mg/kg dry	7.45	<0.37	86.4	67.5-93.1	7.55	19.9	
Benzo(a)anthracene	6.46	0.37	0.046	mg/kg dry	7.45	<0.37	86.6	59.8-95.7	6.67	23.4	
Benzo(a)pyrene	6.64	0.37	0.047	mg/kg dry	7.45	<0.37	89.1	59.8-92.7	8.17	21.1	
Chrysene	6.52	0.37	0.049	mg/kg dry	7.45	<0.37	87.5	62.5-94.6	7.47	24.8	
Fluoranthene	6.45	0.37	0.043	mg/kg dry	7.45	<0.37	86.5	61.3-92.8	7.54	21.8	
Fluorene	6.21	0.37	0.039	mg/kg dry	7.45	<0.37	83.4	62.8-92.6	9.23	17.6	
N-Nitrosodi-n-propylamine	5.67	0.37	0.037	mg/kg dry	7.45	<0.37	76.1	46.9-89.9	9.20	18.9	
Pentachlorophenol	5.17	0.74	0.087	mg/kg dry	7.45	<0.74	69.3	40.1-95.1	8.60	19.7	
Phenanthrene	6.37	0.37	0.040	mg/kg dry	7.45	<0.37	85.5	65.2-92.2	6.65	20.5	
Phenol	5.54	0.74	0.077	mg/kg dry	7.45	<0.74	74.4	44.7-91	8.50	17.9	
Surrogate: 2,4,6-Tribromophenol	5.73			mg/kg dry	7.45		76.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.75			mg/kg dry	7.45		77.2	53.9-97.9			
Surrogate: 2-Fluorophenol	5.30			mg/kg dry	7.45		71.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.49			mg/kg dry	7.45		73.7	48.9-100			
Surrogate: Phenol-d6	5.64			mg/kg dry	7.45		75.6	50.4-99.6			
Surrogate: Terphenyl-d14	5.82			mg/kg dry	7.45		78.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0515 - General Prep Dept 4

Blank (B1G0515-BLK1)

Prepared: 07/05/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	< 0.043	1.0	0.043	mg/kg wet							
1,3-Dinitrobenzene	< 0.047	1.0	0.047	mg/kg wet							
2,4,6-Trinitrotoluene	< 0.13	1.0	0.13	mg/kg wet							
2,4-Dinitrotoluene	< 0.039	1.0	0.039	mg/kg wet							
2,6-Dinitrotoluene	< 0.089	1.0	0.089	mg/kg wet							
2-Amino-4,6-Dinitrotoluene	< 0.072	1.0	0.072	mg/kg wet							
2-Nitrotoluene	< 0.16	1.0	0.16	mg/kg wet							
3-Nitrotoluene	< 0.24	1.0	0.24	mg/kg wet							
4-Amino-2,6-Dinitrotoluene	< 0.075	1.0	0.075	mg/kg wet							
4-Nitrotoluene	< 0.23	1.0	0.23	mg/kg wet							
HMX	< 0.11	1.0	0.11	mg/kg wet							
Nitrobenzene	< 0.066	1.0	0.066	mg/kg wet							
RDX	< 0.078	1.0	0.078	mg/kg wet							
Tetryl	< 0.17	1.0	0.17	mg/kg wet							
Surrogate: 1,2-Dinitrobenzene	4.94			mg/kg wet	4.97		99.5	70-130			

LCS (B1G0515-BS1)

Prepared: 07/05/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	4.19	0.90	0.039	mg/kg wet	4.51		93.0	70-130			
1,3-Dinitrobenzene	4.58	0.90	0.042	mg/kg wet	4.51		102	70-130			
2,4,6-Trinitrotoluene	4.08	0.90	0.12	mg/kg wet	4.51		90.5	70-130			
2,4-Dinitrotoluene	4.24	0.90	0.035	mg/kg wet	4.51		94.0	70-130			
2,6-Dinitrotoluene	4.33	0.90	0.080	mg/kg wet	4.51		96.0	70-130			
2-Amino-4,6-Dinitrotoluene	4.08	0.90	0.065	mg/kg wet	4.51		90.5	70-130			
2-Nitrotoluene	4.22	0.90	0.14	mg/kg wet	4.51		93.5	70-130			
3-Nitrotoluene	4.42	0.90	0.22	mg/kg wet	4.51		98.0	70-130			
4-Amino-2,6-Dinitrotoluene	4.06	0.90	0.068	mg/kg wet	4.51		90.0	70-130			
4-Nitrotoluene	4.22	0.90	0.21	mg/kg wet	4.51		93.5	70-130			
HMX	4.24	0.90	0.099	mg/kg wet	4.51		94.0	70-130			
Nitrobenzene	4.24	0.90	0.060	mg/kg wet	4.51		94.0	70-130			
RDX	4.26	0.90	0.070	mg/kg wet	4.51		94.5	70-130			
Tetryl	4.40	0.90	0.15	mg/kg wet	4.51		97.5	70-130			
Surrogate: 1,2-Dinitrobenzene	4.31			mg/kg wet	4.51		95.5	70-130			

Matrix Spike (B1G0515-MS1)

Source: 1102924-01

Prepared: 07/05/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	5.34	1.2	0.054	mg/kg dry	6.48	<1.2	82.5	70-130			
1,3-Dinitrobenzene	6.19	1.2	0.059	mg/kg dry	6.48	<1.2	95.5	70-130			
2,4,6-Trinitrotoluene	6.09	1.2	0.16	mg/kg dry	6.48	<1.2	94.0	70-130			
2,4-Dinitrotoluene	5.77	1.2	0.049	mg/kg dry	6.48	<1.2	89.0	70-130			
2,6-Dinitrotoluene	5.73	1.2	0.11	mg/kg dry	6.48	<1.2	88.5	70-130			
2-Amino-4,6-Dinitrotoluene	6.12	1.2	0.090	mg/kg dry	6.48	<1.2	94.5	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0515 - General Prep Dept 4

Matrix Spike (B1G0515-MS1)

Source: 1102924-01

Prepared: 07/05/11

Analyzed: 07/13/11

2-Nitrotoluene	5.64	1.2	0.20	mg/kg dry	6.48	<1.2	87.0	70-130			
3-Nitrotoluene	5.70	1.2	0.30	mg/kg dry	6.48	<1.2	88.0	70-130			
4-Amino-2,6-Dinitrotoluene	5.86	1.2	0.094	mg/kg dry	6.48	<1.2	90.5	70-130			
4-Nitrotoluene	5.90	1.2	0.29	mg/kg dry	6.48	<1.2	91.0	70-130			
HMX	5.96	1.2	0.14	mg/kg dry	6.48	<1.2	92.0	70-130			
Nitrobenzene	5.67	1.2	0.082	mg/kg dry	6.48	<1.2	87.5	70-130			
RDX	5.99	1.2	0.098	mg/kg dry	6.48	<1.2	92.5	70-130			
Tetryl	< 0.21	1.2	0.21	mg/kg dry	6.48	<1.2		70-130			M2
Surrogate: 1,2-Dinitrobenzene	5.86			mg/kg dry	6.48		90.5	70-130			

Matrix Spike Dup (B1G0515-MSD1)

Source: 1102924-01

Prepared: 07/05/11

Analyzed: 07/13/11

1,3,5-Trinitrobenzene	5.15	1.2	0.054	mg/kg dry	6.13	<1.2	84.0	70-130	3.75	20	
1,3-Dinitrobenzene	5.76	1.2	0.059	mg/kg dry	6.13	<1.2	94.0	70-130	7.13	20	
2,4,6-Trinitrotoluene	5.39	1.2	0.16	mg/kg dry	6.13	<1.2	88.0	70-130	12.1	20	
2,4-Dinitrotoluene	5.52	1.2	0.049	mg/kg dry	6.13	<1.2	90.0	70-130	4.43	20	
2,6-Dinitrotoluene	5.52	1.2	0.11	mg/kg dry	6.13	<1.2	90.0	70-130	3.87	20	
2-Amino-4,6-Dinitrotoluene	5.33	1.2	0.090	mg/kg dry	6.13	<1.2	87.0	70-130	13.8	20	
2-Nitrotoluene	5.33	1.2	0.20	mg/kg dry	6.13	<1.2	87.0	70-130	5.55	20	
3-Nitrotoluene	5.33	1.2	0.30	mg/kg dry	6.13	<1.2	87.0	70-130	6.69	20	
4-Amino-2,6-Dinitrotoluene	5.33	1.2	0.094	mg/kg dry	6.13	<1.2	87.0	70-130	9.49	20	
4-Nitrotoluene	5.42	1.2	0.29	mg/kg dry	6.13	<1.2	88.5	70-130	8.33	20	
HMX	5.49	1.2	0.14	mg/kg dry	6.13	<1.2	89.5	70-130	8.30	20	
Nitrobenzene	5.39	1.2	0.082	mg/kg dry	6.13	<1.2	88.0	70-130	4.98	20	
RDX	5.52	1.2	0.098	mg/kg dry	6.13	<1.2	90.0	70-130	8.28	20	
Tetryl	1.26	1.2	0.21	mg/kg dry	6.13	<1.2	20.6	70-130		20	M2
Surrogate: 1,2-Dinitrobenzene	5.55			mg/kg dry	6.13		90.5	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102924 Date Reported: 07/14/11
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Notes and Definitions

- QR-04 The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
- M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
- M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 1109924

Project Number: 2319-1092.00 4821 87D
Project Name: UMore East - ABC Line
Sample Origination State: MN (use two letter postal state abbreviation)
COC Number: NO 34320

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Total Number Of Containers
						Water	Soil	Grab	
1. 251A-T1	0.5	0.5	ft	06/28/11	1000	X	Y	Y	4
2. 251A-T2	4	4			1030	Y	Y	Y	4
3. 251A-T3	0.5	0.5			11:00	X	Y	Y	4
4.									
5.									
6.									
7.									
8.									
9.									
10.									

Number of Containers/Preservative

Water		Soil	
VOCs (unpreserved) #2	X	X	X
Dissolved Metals (HNO ₃)	X	X	X
Total Metals (HNO ₃)	X	X	X
General (unpreserved) #3	X	X	X
Diesel Range Organics (HCl)	X	X	X
Nutrients (H ₂ SO ₄) #4	X	X	X
VOCs (tared MeOH) #1	X	X	X
GRO, BTEX (tared MeOH) #1	X	X	X
DRO (tared unpreserved)	X	X	X
Metals (unpreserved)	X	X	X
SVOs (unpreserved) #2	X	X	X
% Solids (plastic vial, unpres.)	X	X	X
Explosives	X	X	X

Project Manager: JME
Project QC Contact: AAN
Sampled by: KCB
Laboratory: Legend

Relinquished By: [Signature]
Relinquished By: [Signature]

Received by: [Signature]
Received by: [Signature]

Date: 6/29/11 06:00
Date: 6/29/11 10:30

On Ice? N
On Ice? Y

Samples Shipped VIA: Air Freight Federal Express Sampler Other

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator
4.0e RL Custody X

HR\LIST\FORMS\Chain of Custody Form 2009 RLG Rev. 09/01/09



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102925
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/29/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG-SB1_2-2	1102925-01	Soil	06/28/11 10:50	06/29/11 10:30
BG-SB1_6-6	1102925-02	Soil	06/28/11 10:55	06/29/11 10:30
BG-SB2_2-2	1102925-04	Soil	06/28/11 11:30	06/29/11 10:30
BG-SB2_6-6	1102925-05	Soil	06/28/11 11:45	06/29/11 10:30
BG-SB3_2-2	1102925-07	Soil	06/28/11 12:10	06/29/11 10:30
BG-SB3_6-6	1102925-08	Soil	06/28/11 12:15	06/29/11 10:30
BG-SB4_2-2	1102925-10	Soil	06/28/11 12:45	06/29/11 10:30
BG-SB4_6-6	1102925-11	Soil	06/28/11 12:50	06/29/11 10:30
Trip Blank	1102925-13	Methanol	06/28/11 00:00	06/29/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 3.5

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Recoveries for 8270 matrix spike compounds anthracene in the batch B1G0503 MS and fluorene in the MS/MSD were below laboratory limits. The MS/MSD source sample was sample BG-SB1_6-6. All target analytes were within limits in the LCS.

Recovery for the 8270 surrogate 2-fluorobiphenyl in the batch B1G0503 MS/MSD and sample BG-SB3_2-2 was below laboratory limits

Methylene chloride was detected in the method blank between the MDL and RL for 8260 batch B1F3019. Samples with methylene chloride detections less than or equal to 10 times the blank contamination are qualified.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB1_2-2 (1102925-01) Soil Sampled: 06/28/11 10:50 Received: 06/29/11 10:30										
Arsenic	1.5	0.49	0.053	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	18	0.97	0.058	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	5.2	0.49	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.3	0.97	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<0.97	0.97	0.092	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.24	0.24	0.016	mg/kg dry	1	"	"	"	"	
BG-SB1_6-6 (1102925-02) Soil Sampled: 06/28/11 10:55 Received: 06/29/11 10:30										
Arsenic	1.6	0.52	0.057	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	20	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	6.8	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.7	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
BG-SB2_2-2 (1102925-04) Soil Sampled: 06/28/11 11:30 Received: 06/29/11 10:30										
Arsenic	5.5	0.61	0.067	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	110	1.2	0.073	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	20	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	7.5	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	
BG-SB2_6-6 (1102925-05) Soil Sampled: 06/28/11 11:45 Received: 06/29/11 10:30										
Arsenic	5.2	0.63	0.070	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	170	1.3	0.076	mg/kg dry	1	"	"	"	"	
Cadmium	<0.32	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	17	0.63	0.015	mg/kg dry	1	"	"	"	"	
Lead	8.5	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.32	0.32	0.020	mg/kg dry	1	"	"	"	"	
BG-SB3_2-2 (1102925-07) Soil Sampled: 06/28/11 12:10 Received: 06/29/11 10:30										
Arsenic	2.6	0.52	0.057	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB3_2-2 (1102925-07) Soil Sampled: 06/28/11 12:10 Received: 06/29/11 10:30										
Barium	32	1.0	0.062	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	15	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.2	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
BG-SB3_6-6 (1102925-08) Soil Sampled: 06/28/11 12:15 Received: 06/29/11 10:30										
Arsenic	2.1	0.52	0.057	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	25	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	9.0	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.8	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
BG-SB4_2-2 (1102925-10) Soil Sampled: 06/28/11 12:45 Received: 06/29/11 10:30										
Arsenic	7.6	0.56	0.062	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	91	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	19	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	8.9	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
BG-SB4_6-6 (1102925-11) Soil Sampled: 06/28/11 12:50 Received: 06/29/11 10:30										
Arsenic	1.7	0.52	0.057	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	22	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	5.8	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.4	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.096	0.096	0.018	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB1_2-2 (1102925-01) Soil	Sampled: 06/28/11 10:50		Received: 06/29/11 10:30							
% Solids	97			%	1	B1G0508	07/05/11	07/05/11	% calculation	
BG-SB1_6-6 (1102925-02) Soil	Sampled: 06/28/11 10:55		Received: 06/29/11 10:30							
% Solids	97			%	1	B1G0508	07/05/11	07/05/11	% calculation	
BG-SB2_2-2 (1102925-04) Soil	Sampled: 06/28/11 11:30		Received: 06/29/11 10:30							
% Solids	82			%	1	B1G0508	07/05/11	07/05/11	% calculation	
BG-SB2_6-6 (1102925-05) Soil	Sampled: 06/28/11 11:45		Received: 06/29/11 10:30							
% Solids	79			%	1	B1G0508	07/05/11	07/05/11	% calculation	
BG-SB3_2-2 (1102925-07) Soil	Sampled: 06/28/11 12:10		Received: 06/29/11 10:30							
% Solids	96			%	1	B1G0508	07/05/11	07/05/11	% calculation	
BG-SB3_6-6 (1102925-08) Soil	Sampled: 06/28/11 12:15		Received: 06/29/11 10:30							
% Solids	97			%	1	B1G0508	07/05/11	07/05/11	% calculation	
BG-SB4_2-2 (1102925-10) Soil	Sampled: 06/28/11 12:45		Received: 06/29/11 10:30							
% Solids	89			%	1	B1G0508	07/05/11	07/05/11	% calculation	
BG-SB4_6-6 (1102925-11) Soil	Sampled: 06/28/11 12:50		Received: 06/29/11 10:30							
% Solids	97			%	1	B1G0508	07/05/11	07/05/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB1_2-2 (1102925-01) Soil Sampled: 06/28/11 10:50 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB1_2-2 (1102925-01) Soil Sampled: 06/28/11 10:50 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	60.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	53.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	60.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	73.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB1_6-6 (1102925-02) Soil Sampled: 06/28/11 10:55 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB1_6-6 (1102925-02) Soil Sampled: 06/28/11 10:55 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	63.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	58.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	54.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	59.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB2_2-2 (1102925-04) Soil Sampled: 06/28/11 11:30 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.82	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.091	0.82	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.073	0.82	0.073	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	2.0	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.82	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.82	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.82	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB2_2-2 (1102925-04) Soil Sampled: 06/28/11 11:30 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.059	0.40	0.059	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
Pyrene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	77.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	74.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB2_6-6 (1102925-05) Soil Sampled: 06/28/11 11:45 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.047	0.85	0.047	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.095	0.85	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.076	0.85	0.076	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.85	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.42	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.084	0.85	0.084	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.85	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.85	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.2	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB2_6-6 (1102925-05) Soil Sampled: 06/28/11 11:45 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.061	0.42	0.061	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
Benzoic acid	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.051	0.42	0.051	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.42	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.033	0.42	0.033	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Phenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
Pyrene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	78.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	56.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	51.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	56.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	61.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	77.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB3_2-2 (1102925-07) Soil Sampled: 06/28/11 12:10 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB3_2-2 (1102925-07) Soil Sampled: 06/28/11 12:10 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	59.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	53.6			53.9-97.9 %		"	"	"	"	S-GC
Surrogate: 2-Fluorophenol	48.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	55.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	57.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	60.3			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102925
 Date Reported: 07/19/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB3_6-6 (1102925-08) Soil Sampled: 06/28/11 12:15 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB3_6-6 (1102925-08) Soil Sampled: 06/28/11 12:15 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	82.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	62.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	67.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	76.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB4_2-2 (1102925-10) Soil Sampled: 06/28/11 12:45 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB4_2-2 (1102925-10) Soil Sampled: 06/28/11 12:45 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	91.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	81.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	80.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB4_6-6 (1102925-11) Soil Sampled: 06/28/11 12:50 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB4_6-6 (1102925-11) Soil Sampled: 06/28/11 12:50 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	71.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	67.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB1_2-2 (1102925-01) Soil Sampled: 06/28/11 10:50 Received: 06/29/11 10:30										
1,1,1,2-Tetrachloroethane	<0.064	0.27	0.064	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
1,1,1-Trichloroethane	<0.035	0.27	0.035	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.028	0.27	0.028	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.037	0.27	0.037	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.074	0.27	0.074	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.025	0.27	0.025	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.027	0.27	0.027	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.066	0.54	0.066	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.026	0.27	0.026	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.029	0.54	0.029	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.020	0.27	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.075	0.54	0.075	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.024	0.27	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.022	0.27	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.034	0.27	0.034	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.022	0.27	0.022	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.028	0.27	0.028	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.024	0.27	0.024	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.019	0.27	0.019	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.065	0.54	0.065	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.096	2.2	0.096	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.015	0.27	0.015	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
Acetone	<0.21	2.2	0.21	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.063	0.54	0.063	mg/kg dry	1	"	"	"	"	
Benzene	<0.016	0.27	0.016	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.040	0.27	0.040	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	
Bromoform	<0.029	0.54	0.029	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.54	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.037	0.27	0.037	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.021	0.27	0.021	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.040	0.27	0.040	mg/kg dry	1	"	"	"	"	
Chloroform	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.066	0.27	0.066	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.028	0.27	0.028	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB1_2-2 (1102925-01) Soil Sampled: 06/28/11 10:50 Received: 06/29/11 10:30										
cis-1,3-Dichloropropene	<0.024	0.27	0.024	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
Dibromochloromethane	<0.037	0.27	0.037	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.032	0.27	0.032	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.11	0.54	0.11	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.041	0.27	0.041	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.041	0.54	0.041	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.012	0.27	0.012	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.075	1.1	0.075	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.021	0.27	0.021	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.051	0.54	0.051	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.089	0.54	0.089	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.017	0.27	0.017	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.49	1.1	0.063	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.060	0.54	0.060	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.027	0.27	0.027	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.015	0.27	0.015	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.019	0.27	0.019	mg/kg dry	1	"	"	"	"	
Styrene	<0.022	0.27	0.022	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.020	0.27	0.020	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.030	0.27	0.030	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.13	2.2	0.13	mg/kg dry	1	"	"	"	"	
Toluene	<0.017	0.27	0.017	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.033	0.27	0.033	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.025	0.27	0.025	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.045	0.27	0.045	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.038	0.27	0.038	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.071	0.27	0.071	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	90.8			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	91.4			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.4			78.1-125 %		"	"	"	"	

BG-SB1_6-6 (1102925-02) Soil Sampled: 06/28/11 10:55 Received: 06/29/11 10:30										
1,1,1,2-Tetrachloroethane	<0.070	0.30	0.070	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
1,1,1-Trichloroethane	<0.038	0.30	0.038	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.031	0.30	0.031	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.040	0.30	0.040	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.081	0.30	0.081	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.027	0.30	0.027	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB1_6-6 (1102925-02) Soil Sampled: 06/28/11 10:55 Received: 06/29/11 10:30										
1,1-Dichloroethene	<0.030	0.30	0.030	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
1,1-Dichloropropene	<0.025	0.30	0.025	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.072	0.59	0.072	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.028	0.30	0.028	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.032	0.59	0.032	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.021	0.30	0.021	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.082	0.59	0.082	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.026	0.30	0.026	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.024	0.30	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.032	0.30	0.032	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.037	0.30	0.037	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.024	0.30	0.024	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.30	0.031	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.026	0.30	0.026	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.020	0.30	0.020	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.071	0.59	0.071	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.10	2.4	0.10	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.017	0.30	0.017	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.025	0.30	0.025	mg/kg dry	1	"	"	"	"	
Acetone	<0.23	2.4	0.23	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.069	0.59	0.069	mg/kg dry	1	"	"	"	"	
Benzene	<0.018	0.30	0.018	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.032	0.30	0.032	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.044	0.30	0.044	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.032	0.30	0.032	mg/kg dry	1	"	"	"	"	
Bromoform	<0.032	0.59	0.032	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.13	0.59	0.13	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.040	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.023	0.30	0.023	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.044	0.30	0.044	mg/kg dry	1	"	"	"	"	
Chloroform	<0.025	0.30	0.025	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.072	0.30	0.072	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.031	0.30	0.031	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.026	0.30	0.026	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.040	0.30	0.040	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.034	0.30	0.034	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.12	0.59	0.12	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.045	0.30	0.045	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.045	0.59	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB1_6-6 (1102925-02) Soil Sampled: 06/28/11 10:55 Received: 06/29/11 10:30										
Ethylbenzene	<0.013	0.30	0.013	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
Hexachlorobutadiene	<0.082	1.2	0.082	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.023	0.30	0.023	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.056	0.59	0.056	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.097	0.59	0.097	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.019	0.30	0.019	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.59	1.2	0.069	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.065	0.59	0.065	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.032	0.30	0.032	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.025	0.30	0.025	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.030	0.30	0.030	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.017	0.30	0.017	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.020	0.30	0.020	mg/kg dry	1	"	"	"	"	
Styrene	<0.024	0.30	0.024	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.021	0.30	0.021	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.033	0.30	0.033	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.14	2.4	0.14	mg/kg dry	1	"	"	"	"	
Toluene	<0.019	0.30	0.019	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.036	0.30	0.036	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.027	0.30	0.027	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.049	0.30	0.049	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.041	0.30	0.041	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.077	0.30	0.077	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.1			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	88.7			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	88.2			78.1-125 %		"	"	"	"	

BG-SB2_2-2 (1102925-04) Soil Sampled: 06/28/11 11:30 Received: 06/29/11 10:30										
1,1,1,2-Tetrachloroethane	<0.072	0.30	0.072	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
1,1,1-Trichloroethane	<0.039	0.30	0.039	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.032	0.30	0.032	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.041	0.30	0.041	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.083	0.30	0.083	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.028	0.30	0.028	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.030	0.30	0.030	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.026	0.30	0.026	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.074	0.61	0.074	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.029	0.30	0.029	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.033	0.61	0.033	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.022	0.30	0.022	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB2_2-2 (1102925-04) Soil Sampled: 06/28/11 11:30 Received: 06/29/11 10:30										
1,2-Dibromo-3-chloropropane	<0.084	0.61	0.084	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.027	0.30	0.027	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.024	0.30	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.033	0.30	0.033	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.038	0.30	0.038	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.024	0.30	0.024	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.30	0.032	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.027	0.30	0.027	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.021	0.30	0.021	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.073	0.61	0.073	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.11	2.4	0.11	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.017	0.30	0.017	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.026	0.30	0.026	mg/kg dry	1	"	"	"	"	
Acetone	<0.23	2.4	0.23	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.071	0.61	0.071	mg/kg dry	1	"	"	"	"	
Benzene	<0.018	0.30	0.018	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.033	0.30	0.033	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.045	0.30	0.045	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.033	0.30	0.033	mg/kg dry	1	"	"	"	"	
Bromoform	<0.033	0.61	0.033	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.13	0.61	0.13	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.041	0.30	0.041	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.023	0.30	0.023	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.045	0.30	0.045	mg/kg dry	1	"	"	"	"	
Chloroform	<0.026	0.30	0.026	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.074	0.30	0.074	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.032	0.30	0.032	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.027	0.30	0.027	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.041	0.30	0.041	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.035	0.30	0.035	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.12	0.61	0.12	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.046	0.30	0.046	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.046	0.61	0.046	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.013	0.30	0.013	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.084	1.2	0.084	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.023	0.30	0.023	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.057	0.61	0.057	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.10	0.61	0.10	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.020	0.30	0.020	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB2_2-2 (1102925-04) Soil Sampled: 06/28/11 11:30 Received: 06/29/11 10:30										
Methylene chloride	0.63	1.2	0.071	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	B-01, J
Naphthalene	<0.067	0.61	0.067	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.033	0.30	0.033	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.026	0.30	0.026	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.030	0.30	0.030	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.017	0.30	0.017	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.021	0.30	0.021	mg/kg dry	1	"	"	"	"	
Styrene	<0.024	0.30	0.024	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.022	0.30	0.022	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.034	0.30	0.034	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.15	2.4	0.15	mg/kg dry	1	"	"	"	"	
Toluene	<0.020	0.30	0.020	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.037	0.30	0.037	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.028	0.30	0.028	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.050	0.30	0.050	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.043	0.30	0.043	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.079	0.30	0.079	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.7			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	90.8			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	88.1			78.1-125 %		"	"	"	"	

BG-SB2_6-6 (1102925-05) Soil Sampled: 06/28/11 11:45 Received: 06/29/11 10:30										
1,1,1,2-Tetrachloroethane	<0.075	0.32	0.075	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
1,1,1-Trichloroethane	<0.041	0.32	0.041	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.033	0.32	0.033	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.043	0.32	0.043	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.086	0.32	0.086	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.029	0.32	0.029	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.032	0.32	0.032	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.077	0.63	0.077	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.030	0.32	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.034	0.63	0.034	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.023	0.32	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.087	0.63	0.087	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.028	0.32	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.025	0.32	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.039	0.32	0.039	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.025	0.32	0.025	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB2_6-6 (1102925-05) Soil Sampled: 06/28/11 11:45 Received: 06/29/11 10:30										
1,3-Dichlorobenzene	<0.033	0.32	0.033	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
1,3-Dichloropropane	<0.028	0.32	0.028	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.022	0.32	0.022	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.076	0.63	0.076	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.11	2.5	0.11	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.018	0.32	0.018	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
Acetone	<0.24	2.5	0.24	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.073	0.63	0.073	mg/kg dry	1	"	"	"	"	
Benzene	<0.019	0.32	0.019	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.047	0.32	0.047	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
Bromoform	<0.034	0.63	0.034	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.14	0.63	0.14	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.043	0.32	0.043	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.024	0.32	0.024	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.047	0.32	0.047	mg/kg dry	1	"	"	"	"	
Chloroform	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.077	0.32	0.077	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.033	0.32	0.033	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.028	0.32	0.028	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.043	0.32	0.043	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.037	0.32	0.037	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.13	0.63	0.13	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.048	0.32	0.048	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.048	0.63	0.048	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.014	0.32	0.014	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.087	1.3	0.087	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.024	0.32	0.024	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.059	0.63	0.059	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.10	0.63	0.10	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.020	0.32	0.020	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.60	1.3	0.073	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.070	0.63	0.070	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.032	0.32	0.032	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.018	0.32	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB2_6-6 (1102925-05) Soil Sampled: 06/28/11 11:45 Received: 06/29/11 10:30										
sec-Butylbenzene	<0.022	0.32	0.022	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
Styrene	<0.025	0.32	0.025	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.023	0.32	0.023	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.035	0.32	0.035	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.15	2.5	0.15	mg/kg dry	1	"	"	"	"	
Toluene	<0.020	0.32	0.020	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.038	0.32	0.038	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.029	0.32	0.029	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.052	0.32	0.052	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.044	0.32	0.044	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.082	0.32	0.082	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	92.3			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	90.1			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	91.0			78.1-125 %		"	"	"	"	

BG-SB3_2-2 (1102925-07) Soil Sampled: 06/28/11 12:10 Received: 06/29/11 10:30										
1,1,1,2-Tetrachloroethane	<0.058	0.25	0.058	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
1,1,1-Trichloroethane	<0.031	0.25	0.031	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.033	0.25	0.033	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.067	0.25	0.067	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.060	0.49	0.060	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.026	0.49	0.026	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.068	0.49	0.068	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.026	0.25	0.026	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.030	0.25	0.030	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.059	0.49	0.059	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.086	2.0	0.086	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB3_2-2 (1102925-07) Soil Sampled: 06/28/11 12:10 Received: 06/29/11 10:30										
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
Acetone	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.057	0.49	0.057	mg/kg dry	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.026	0.25	0.026	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.036	0.25	0.036	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.026	0.25	0.026	mg/kg dry	1	"	"	"	"	
Bromoform	<0.026	0.49	0.026	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.11	0.49	0.11	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.033	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.036	0.25	0.036	mg/kg dry	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.060	0.25	0.060	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.033	0.25	0.033	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.028	0.25	0.028	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.097	0.49	0.097	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.037	0.25	0.037	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.037	0.49	0.037	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.068	0.98	0.068	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.046	0.49	0.046	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.080	0.49	0.080	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.51	0.98	0.057	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.054	0.49	0.054	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.026	0.25	0.026	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg dry	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.027	0.25	0.027	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg dry	1	"	"	"	"	
Toluene	<0.016	0.25	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB3_2-2 (1102925-07) Soil Sampled: 06/28/11 12:10 Received: 06/29/11 10:30										
trans-1,2-Dichloroethene	<0.029	0.25	0.029	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.040	0.25	0.040	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.034	0.25	0.034	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.064	0.25	0.064	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.2			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	89.9			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	89.1			78.1-125 %		"	"	"	"	

BG-SB3_6-6 (1102925-08) Soil Sampled: 06/28/11 12:15 Received: 06/29/11 10:30										
1,1,1,2-Tetrachloroethane	<0.061	0.26	0.061	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
1,1,1-Trichloroethane	<0.033	0.26	0.033	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.070	0.26	0.070	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.024	0.26	0.024	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.026	0.26	0.026	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.063	0.52	0.063	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.025	0.26	0.025	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.028	0.52	0.028	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.071	0.52	0.071	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.032	0.26	0.032	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.062	0.52	0.062	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.091	2.1	0.091	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.26	0.014	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
Acetone	<0.20	2.1	0.20	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.060	0.52	0.060	mg/kg dry	1	"	"	"	"	
Benzene	<0.015	0.26	0.015	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.038	0.26	0.038	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB3_6-6 (1102925-08) Soil Sampled: 06/28/11 12:15 Received: 06/29/11 10:30										
Bromodichloromethane	<0.028	0.26	0.028	mg/kg dry	1	B1F3019	06/30/11	07/01/11	EPA 8260B	
Bromoform	<0.028	0.52	0.028	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.11	0.52	0.11	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.038	0.26	0.038	mg/kg dry	1	"	"	"	"	
Chloroform	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.063	0.26	0.063	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.030	0.26	0.030	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.10	0.52	0.10	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.039	0.26	0.039	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.039	0.52	0.039	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.011	0.26	0.011	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.071	1.0	0.071	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.048	0.52	0.048	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.085	0.52	0.085	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.55	1.0	0.060	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.057	0.52	0.057	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.026	0.26	0.026	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.26	0.014	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
Styrene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.029	0.26	0.029	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.1	0.12	mg/kg dry	1	"	"	"	"	
Toluene	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.031	0.26	0.031	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.024	0.26	0.024	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.042	0.26	0.042	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.036	0.26	0.036	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.067	0.26	0.067	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.6			80-124 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB3_6-6 (1102925-08) Soil Sampled: 06/28/11 12:15 Received: 06/29/11 10:30										
Surrogate: Dibromofluoromethane	90.2		77.1-123	%		B1F3019	06/30/11	07/01/11	EPA 8260B	
Surrogate: Toluene-d8	88.5		78.1-125	%		"	"	"	"	
BG-SB4_2-2 (1102925-10) Soil Sampled: 06/28/11 12:45 Received: 06/29/11 10:30										
1,1,1,2-Tetrachloroethane	<0.066	0.28	0.066	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.036	0.28	0.036	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.076	0.28	0.076	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.069	0.56	0.069	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.027	0.28	0.027	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.030	0.56	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.078	0.56	0.078	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.035	0.28	0.035	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.067	0.56	0.067	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.099	2.2	0.099	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
Acetone	<0.21	2.2	0.21	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.065	0.56	0.065	mg/kg dry	1	"	"	"	"	
Benzene	<0.017	0.28	0.017	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.042	0.28	0.042	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromoform	<0.030	0.56	0.030	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.56	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.042	0.28	0.042	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102925
 Date Reported: 07/19/11

VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB4_2-2 (1102925-10) Soil Sampled: 06/28/11 12:45 Received: 06/29/11 10:30										
Chloroform	<0.024	0.28	0.024	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Chloromethane	<0.069	0.28	0.069	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.033	0.28	0.033	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.11	0.56	0.11	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.043	0.28	0.043	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.043	0.56	0.043	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.012	0.28	0.012	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.078	1.1	0.078	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.053	0.56	0.053	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.092	0.56	0.092	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.065	1.1	0.065	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.062	0.56	0.062	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
Styrene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.031	0.28	0.031	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.13	2.2	0.13	mg/kg dry	1	"	"	"	"	
Toluene	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.034	0.28	0.034	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.046	0.28	0.046	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.039	0.28	0.039	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.073	0.28	0.073	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.3			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	91.2			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	88.5			78.1-125 %		"	"	"	"	
BG-SB4_6-6 (1102925-11) Soil Sampled: 06/28/11 12:50 Received: 06/29/11 10:30										
1,1,1,2-Tetrachloroethane	<0.065	0.28	0.065	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.035	0.28	0.035	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB4_6-6 (1102925-11) Soil Sampled: 06/28/11 12:50 Received: 06/29/11 10:30										
1,1,2-Trichloroethane	<0.038	0.28	0.038	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	<0.075	0.28	0.075	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.068	0.55	0.068	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.027	0.28	0.027	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.030	0.55	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.076	0.55	0.076	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.034	0.28	0.034	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.067	0.55	0.067	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.098	2.2	0.098	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
Acetone	<0.21	2.2	0.21	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.064	0.55	0.064	mg/kg dry	1	"	"	"	"	
Benzene	<0.017	0.28	0.017	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.041	0.28	0.041	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromoform	<0.030	0.55	0.030	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.55	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.041	0.28	0.041	mg/kg dry	1	"	"	"	"	
Chloroform	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.068	0.28	0.068	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.032	0.28	0.032	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB4_6-6 (1102925-11) Soil Sampled: 06/28/11 12:50 Received: 06/29/11 10:30										
Dichlorodifluoromethane	<0.11	0.55	0.11	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Dichlorofluoromethane	<0.042	0.28	0.042	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.042	0.55	0.042	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.012	0.28	0.012	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.076	1.1	0.076	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.052	0.55	0.052	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.091	0.55	0.091	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.064	1.1	0.064	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.061	0.55	0.061	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
Styrene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.031	0.28	0.031	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.13	2.2	0.13	mg/kg dry	1	"	"	"	"	
Toluene	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.033	0.28	0.033	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.045	0.28	0.045	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.039	0.28	0.039	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.072	0.28	0.072	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.6			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	91.6			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.7			78.1-125 %		"	"	"	"	

Trip Blank (1102925-13) Methanol Sampled: 06/28/11 00:00 Received: 06/29/11 10:30										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1102925-13) Methanol Sampled: 06/28/11 00:00 Received: 06/29/11 10:30										
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1102925-13) Methanol Sampled: 06/28/11 00:00 Received: 06/29/11 10:30										
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	<0.058	1.0	0.058	mg/kg wet	1	"	"	"	"	
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.8			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	92.3			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.8			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SB1_2-2 (1102925-01) Soil Sampled: 06/28/11 10:50 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G0612	07/06/11	07/06/11	EPA 1010A/ASTM D93(M)	
BG-SB1_6-6 (1102925-02) Soil Sampled: 06/28/11 10:55 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G0612	07/06/11	07/06/11	EPA 1010A/ASTM D93(M)	
BG-SB2_2-2 (1102925-04) Soil Sampled: 06/28/11 11:30 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G0612	07/06/11	07/06/11	EPA 1010A/ASTM D93(M)	
BG-SB2_6-6 (1102925-05) Soil Sampled: 06/28/11 11:45 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G0612	07/06/11	07/06/11	EPA 1010A/ASTM D93(M)	
BG-SB3_2-2 (1102925-07) Soil Sampled: 06/28/11 12:10 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G0612	07/06/11	07/06/11	EPA 1010A/ASTM D93(M)	
BG-SB3_6-6 (1102925-08) Soil Sampled: 06/28/11 12:15 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G0612	07/06/11	07/06/11	EPA 1010A/ASTM D93(M)	
BG-SB4_2-2 (1102925-10) Soil Sampled: 06/28/11 12:45 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G0612	07/06/11	07/06/11	EPA 1010A/ASTM D93(M)	
BG-SB4_6-6 (1102925-11) Soil Sampled: 06/28/11 12:50 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G0612	07/06/11	07/06/11	EPA 1010A/ASTM D93(M)	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0710 - EPA 7471A											
Blank (B1G0710-BLK1) Prepared: 07/07/11 Analyzed: 07/11/11											
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0710-BS1) Prepared: 07/07/11 Analyzed: 07/11/11											
Mercury	0.172	0.10	0.019	mg/kg wet	0.200		86.0	80-120			
LCS Dup (B1G0710-BSD1) Prepared: 07/07/11 Analyzed: 07/11/11											
Mercury	0.183	0.10	0.019	mg/kg wet	0.200		91.5	80-120	6.20	20	
Matrix Spike (B1G0710-MS1) Source: 1102920-01 Prepared: 07/07/11 Analyzed: 07/11/11											
Mercury	0.173	0.095	0.018	mg/kg dry	0.191	<0.095	91.0	75-125			
Matrix Spike Dup (B1G0710-MSD1) Source: 1102920-01 Prepared: 07/07/11 Analyzed: 07/11/11											
Mercury	0.176	0.098	0.019	mg/kg dry	0.195	<0.098	90.0	75-125	1.17	20	
Batch B1G0713 - EPA 3050B											
Blank (B1G0713-BLK1) Prepared: 07/07/11 Analyzed: 07/11/11											
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0713-BS1) Prepared: 07/07/11 Analyzed: 07/11/11											
Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.1	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	40.9	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.09	0.25	0.016	mg/kg wet	3.99		102	80-120			
LCS Dup (B1G0713-BSD1) Prepared: 07/07/11 Analyzed: 07/11/11											
Arsenic	40.4	0.50	0.055	mg/kg wet	39.9		101	80-120	0.245	20	
Barium	41.9	1.0	0.060	mg/kg wet	39.9		105	80-120	0.393	20	
Cadmium	40.7	0.25	0.033	mg/kg wet	39.9		102	80-120	0.817	20	
Chromium	41.3	0.50	0.012	mg/kg wet	39.9		104	80-120	0.692	20	
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120	0.639	20	
Selenium	40.6	1.0	0.095	mg/kg wet	39.9		102	80-120	0.597	20	
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120	0.601	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0713 - EPA 3050B											
Matrix Spike (B1G0713-MS1)		Source: 1102925-01			Prepared: 07/07/11		Analyzed: 07/11/11				
Arsenic	42.3	0.52	0.057	mg/kg dry	39.4	1.54	103	75-125			
Barium	58.7	1.0	0.062	mg/kg dry	39.4	17.7	104	75-125			
Cadmium	41.2	0.26	0.034	mg/kg dry	39.4	<0.26	104	75-125			
Chromium	45.1	0.52	0.012	mg/kg dry	39.4	5.16	101	75-125			
Lead	39.5	1.0	0.14	mg/kg dry	39.4	1.25	97.1	75-125			
Selenium	40.5	1.0	0.098	mg/kg dry	39.4	<1.0	103	75-125			
Silver	4.02	0.26	0.016	mg/kg dry	3.94	<0.26	102	75-125			
Matrix Spike Dup (B1G0713-MSD1)											
Matrix Spike Dup (B1G0713-MSD1)		Source: 1102925-01			Prepared: 07/07/11		Analyzed: 07/11/11				
Arsenic	40.8	0.49	0.054	mg/kg dry	38.8	1.54	101	75-125	3.72	20	
Barium	59.3	0.97	0.058	mg/kg dry	38.8	17.7	107	75-125	0.951	20	
Cadmium	39.9	0.24	0.032	mg/kg dry	38.8	<0.24	103	75-125	3.22	20	
Chromium	43.8	0.49	0.012	mg/kg dry	38.8	5.16	99.4	75-125	3.06	20	
Lead	38.8	0.97	0.14	mg/kg dry	38.8	1.25	96.6	75-125	1.92	20	
Selenium	39.6	0.97	0.092	mg/kg dry	38.8	<0.97	102	75-125	2.24	20	
Silver	3.88	0.24	0.016	mg/kg dry	3.88	<0.24	99.8	75-125	3.73	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G0508 - General Preparation												
Duplicate (B1G0508-DUP1)							Source: 1102869-10					Prepared & Analyzed: 07/05/11
% Solids	97.0			%		97.0			0.00	20		
Duplicate (B1G0508-DUP2)							Source: 1102932-02					Prepared & Analyzed: 07/05/11
% Solids	88.0			%		86.0			2.30	20		
Duplicate (B1G0508-DUP3)							Source: 1102951-02					Prepared & Analyzed: 07/05/11
% Solids	78.0			%		79.0			1.27	20		
Duplicate (B1G0508-DUP4)							Source: 1102952-01					Prepared & Analyzed: 07/05/11
% Solids	89.0			%		88.0			1.13	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

Blank (B1G0503-BLK1)

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

Blank (B1G0503-BLK1)

Prepared: 07/05/11 Analyzed: 07/06/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.30			mg/kg wet	6.67		64.4	53-107			
Surrogate: 2-Fluorobiphenyl	3.85			mg/kg wet	6.67		57.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.37			mg/kg wet	6.67		50.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg wet	6.67		58.9	48.9-100			
Surrogate: Phenol-d6	3.91			mg/kg wet	6.67		58.7	50.4-99.6			
Surrogate: Terphenyl-d14	4.62			mg/kg wet	6.67		69.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

LCS (B1G0503-BS1)

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	4.13	0.33	0.031	mg/kg wet	6.67		62.0	59.1-87.7			
1,4-Dichlorobenzene	3.47	0.33	0.029	mg/kg wet	6.67		52.1	50.3-72.9			
2,4-Dinitrotoluene	4.60	0.33	0.035	mg/kg wet	6.67		69.0	59.8-82.2			
2-Chlorophenol	4.20	0.67	0.060	mg/kg wet	6.67		63.0	59.7-77.3			
4-Chloro-3-methylphenol	4.60	0.67	0.066	mg/kg wet	6.67		68.9	63.6-80.4			
4-Nitrophenol	4.96	0.67	0.093	mg/kg wet	6.67		74.4	57.3-84.9			
Anthracene	5.20	0.33	0.036	mg/kg wet	6.67		78.0	67.3-88			
Benzo(a)anthracene	5.65	0.33	0.041	mg/kg wet	6.67		84.8	66.5-90.5			
Benzo(a)pyrene	5.34	0.33	0.042	mg/kg wet	6.67		80.1	66.1-89.7			
Chrysene	5.72	0.33	0.044	mg/kg wet	6.67		85.8	65.5-90.5			
Fluoranthene	5.09	0.33	0.039	mg/kg wet	6.67		76.4	66.7-89.9			
Fluorene	4.75	0.33	0.035	mg/kg wet	6.67		71.3	66.2-85.6			
N-Nitrosodi-n-propylamine	4.16	0.33	0.033	mg/kg wet	6.67		62.3	59.4-78			
Pentachlorophenol	5.15	0.67	0.078	mg/kg wet	6.67		77.2	46.7-83.2			
Phenanthrene	5.29	0.33	0.036	mg/kg wet	6.67		79.4	67.5-87.9			
Phenol	4.14	0.67	0.069	mg/kg wet	6.67		62.0	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.13			mg/kg wet	6.67		76.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.25			mg/kg wet	6.67		63.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.48			mg/kg wet	6.67		52.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.12			mg/kg wet	6.67		61.8	48.9-100			
Surrogate: Phenol-d6	4.28			mg/kg wet	6.67		64.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.28			mg/kg wet	6.67		79.2	51-99.6			

Matrix Spike (B1G0503-MS1)

Source: 1102925-02

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	3.56	0.34	0.032	mg/kg dry	6.87	<0.34	51.8	44.8-97.9			
1,4-Dichlorobenzene	3.24	0.34	0.030	mg/kg dry	6.87	<0.34	47.1	42.3-77.9			
2,4-Dinitrotoluene	4.00	0.34	0.036	mg/kg dry	6.87	<0.34	58.1	57.3-86.6			
2-Chlorophenol	3.46	0.69	0.062	mg/kg dry	6.87	<0.69	50.4	43.3-93.2			
4-Chloro-3-methylphenol	3.50	0.69	0.068	mg/kg dry	6.87	<0.69	51.0	47.1-97.6			
4-Nitrophenol	4.14	0.69	0.096	mg/kg dry	6.87	<0.69	60.2	49.3-96.2			
Anthracene	4.57	0.34	0.037	mg/kg dry	6.87	<0.34	66.5	67.5-93.1			M2
Benzo(a)anthracene	4.97	0.34	0.042	mg/kg dry	6.87	<0.34	72.3	59.8-95.7			
Benzo(a)pyrene	4.74	0.34	0.043	mg/kg dry	6.87	<0.34	68.9	59.8-92.7			
Chrysene	4.99	0.34	0.045	mg/kg dry	6.87	<0.34	72.6	62.5-94.6			
Fluoranthene	4.61	0.34	0.040	mg/kg dry	6.87	<0.34	67.1	61.3-92.8			
Fluorene	3.95	0.34	0.036	mg/kg dry	6.87	<0.34	57.4	62.8-92.6			M2
N-Nitrosodi-n-propylamine	3.64	0.34	0.034	mg/kg dry	6.87	<0.34	53.0	46.9-89.9			
Pentachlorophenol	4.35	0.69	0.080	mg/kg dry	6.87	<0.69	63.3	40.1-95.1			
Phenanthrene	4.56	0.34	0.037	mg/kg dry	6.87	<0.34	66.4	65.2-92.2			
Phenol	3.44	0.69	0.071	mg/kg dry	6.87	<0.69	50.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

Matrix Spike (B1G0503-MS1)

Source: 1102925-02

Prepared: 07/05/11

Analyzed: 07/06/11

Surrogate: 2,4,6-Tribromophenol	4.36			mg/kg dry	6.87		63.5	53-107			
Surrogate: 2-Fluorobiphenyl	3.58			mg/kg dry	6.87		52.1	53.9-97.9			S-GC
Surrogate: 2-Fluorophenol	3.16			mg/kg dry	6.87		46.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.65			mg/kg dry	6.87		53.1	48.9-100			
Surrogate: Phenol-d6	3.80			mg/kg dry	6.87		55.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.68			mg/kg dry	6.87		68.1	51-99.6			

Matrix Spike Dup (B1G0503-MSD1)

Source: 1102925-02

Prepared: 07/05/11

Analyzed: 07/06/11

1,2,4-Trichlorobenzene	3.61	0.34	0.032	mg/kg dry	6.90	<0.34	52.4	44.8-97.9	1.52	19.6	
1,4-Dichlorobenzene	3.28	0.34	0.030	mg/kg dry	6.90	<0.34	47.6	42.3-77.9	1.40	22.4	
2,4-Dinitrotoluene	4.16	0.34	0.036	mg/kg dry	6.90	<0.34	60.3	57.3-86.6	3.90	19.5	
2-Chlorophenol	3.48	0.69	0.062	mg/kg dry	6.90	<0.69	50.5	43.3-93.2	0.571	23.7	
4-Chloro-3-methylphenol	3.52	0.69	0.068	mg/kg dry	6.90	<0.69	51.1	47.1-97.6	0.489	18.3	
4-Nitrophenol	4.22	0.69	0.096	mg/kg dry	6.90	<0.69	61.2	49.3-96.2	1.90	20.4	
Anthracene	4.70	0.34	0.037	mg/kg dry	6.90	<0.34	68.2	67.5-93.1	2.82	19.9	
Benzo(a)anthracene	5.20	0.34	0.042	mg/kg dry	6.90	<0.34	75.4	59.8-95.7	4.52	23.4	
Benzo(a)pyrene	4.92	0.34	0.043	mg/kg dry	6.90	<0.34	71.4	59.8-92.7	3.92	21.1	
Chrysene	5.19	0.34	0.045	mg/kg dry	6.90	<0.34	75.3	62.5-94.6	3.96	24.8	
Fluoranthene	4.76	0.34	0.040	mg/kg dry	6.90	<0.34	69.0	61.3-92.8	3.13	21.8	
Fluorene	4.04	0.34	0.036	mg/kg dry	6.90	<0.34	58.5	62.8-92.6	2.20	17.6	M2
N-Nitrosodi-n-propylamine	3.62	0.34	0.034	mg/kg dry	6.90	<0.34	52.4	46.9-89.9	0.790	18.9	
Pentachlorophenol	4.35	0.69	0.080	mg/kg dry	6.90	<0.69	63.1	40.1-95.1	0.00134	19.7	
Phenanthrene	4.75	0.34	0.037	mg/kg dry	6.90	<0.34	68.9	65.2-92.2	4.08	20.5	
Phenol	3.42	0.69	0.071	mg/kg dry	6.90	<0.69	49.6	44.7-91	0.531	17.9	
Surrogate: 2,4,6-Tribromophenol	4.51			mg/kg dry	6.90		65.3	53-107			
Surrogate: 2-Fluorobiphenyl	3.59			mg/kg dry	6.90		52.1	53.9-97.9			S-GC
Surrogate: 2-Fluorophenol	3.19			mg/kg dry	6.90		46.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.71			mg/kg dry	6.90		53.8	48.9-100			
Surrogate: Phenol-d6	3.81			mg/kg dry	6.90		55.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.89			mg/kg dry	6.90		70.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

Blank (B1F3019-BLK1)

Prepared & Analyzed: 06/30/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

Blank (B1F3019-BLK1)

Prepared & Analyzed: 06/30/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	0.117	1.0	0.058	mg/kg wet							B-02, J
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	44.1			ug/L	50.0		88.1	80-124			
Surrogate: Dibromofluoromethane	45.2			ug/L	50.0		90.5	77.1-123			
Surrogate: Toluene-d8	45.1			ug/L	50.0		90.2	78.1-125			

LCS (B1F3019-BS1)

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.2			ug/L	50.0		100	75-120			
1,1-Dichloroethane	46.1			ug/L	50.0		92.1	79.6-120			
1,1-Dichloroethene	47.8			ug/L	50.0		95.6	78.3-120			
1,3,5-Trimethylbenzene	50.1			ug/L	50.0		100	77-120			
1,4-Dichlorobenzene	51.5			ug/L	50.0		103	75-125			
2-Chlorotoluene	49.9			ug/L	50.0		99.9	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

LCS (B1F3019-BS1)

Prepared & Analyzed: 06/30/11

Benzene	45.6			ug/L	50.0		91.1	80-120			
Bromoform	49.8			ug/L	50.0		99.7	80-120			
Chlorobenzene	50.5			ug/L	50.0		101	80-120			
Chloroform	43.3			ug/L	50.0		86.7	80-120			
Ethylbenzene	50.1			ug/L	50.0		100	80-120			
n-Butylbenzene	52.2			ug/L	50.0		104	75-125			
n-Propylbenzene	50.4			ug/L	50.0		101	75-120			
Toluene	46.4			ug/L	50.0		92.9	80-120			
Trichloroethene	45.8			ug/L	50.0		91.7	80-120			
Vinyl chloride	45.5			ug/L	50.0		90.9	75-130			
Surrogate: 4-Bromofluorobenzene	47.8			ug/L	50.0		95.6	80-124			
Surrogate: Dibromofluoromethane	46.0			ug/L	50.0		92.0	77.1-123			
Surrogate: Toluene-d8	45.7			ug/L	50.0		91.5	78.1-125			

Matrix Spike (B1F3019-MS1)

Source: 1102846-02

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.3			ug/L	50.0	<	101	75-125			
1,1-Dichloroethane	45.2			ug/L	50.0	<	90.5	78.7-123			
1,1-Dichloroethene	46.9			ug/L	50.0	<	93.9	75.8-121			
1,3,5-Trimethylbenzene	49.7			ug/L	50.0	<	99.4	75-120			
1,4-Dichlorobenzene	50.0			ug/L	50.0	<	100	75-125			
2-Chlorotoluene	49.6			ug/L	50.0	<	99.2	75-120			
Benzene	44.0			ug/L	50.0	<	88.0	80-120			
Bromoform	46.7			ug/L	50.0	<	93.4	80-120			
Chlorobenzene	46.3			ug/L	50.0	<	92.7	80-120			
Chloroform	42.4			ug/L	50.0	<	84.7	80-120			
Ethylbenzene	46.6			ug/L	50.0	<	93.3	80-120			
n-Butylbenzene	49.9			ug/L	50.0	<	99.8	73.8-125			
n-Propylbenzene	50.5			ug/L	50.0	<	101	75-120			
Toluene	44.7			ug/L	50.0	<	89.5	80-120			
Trichloroethene	44.1			ug/L	50.0	<	88.2	80-120			
Vinyl chloride	42.7			ug/L	50.0	<	85.4	74.8-130			
Surrogate: 4-Bromofluorobenzene	47.4			ug/L	50.0		94.9	80-124			
Surrogate: Dibromofluoromethane	45.6			ug/L	50.0		91.2	77.1-123			
Surrogate: Toluene-d8	45.8			ug/L	50.0		91.5	78.1-125			

Matrix Spike Dup (B1F3019-MSD1)

Source: 1102846-02

Prepared & Analyzed: 06/30/11

1,1,2,2-Tetrachloroethane	50.8			ug/L	50.0	<	102	75-125	0.895	20	
1,1-Dichloroethane	42.7			ug/L	50.0	<	85.3	78.7-123	5.85	20	
1,1-Dichloroethene	43.0			ug/L	50.0	<	85.9	75.8-121	8.86	20	
1,3,5-Trimethylbenzene	48.9			ug/L	50.0	<	97.8	75-120	1.61	20	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102925
 Date Reported: 07/19/11

VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F3019 - EPA 5035 Soil (Purge and Trap)

Matrix Spike Dup (B1F3019-MSD1)

Source: 1102846-02

Prepared & Analyzed: 06/30/11

1,4-Dichlorobenzene	50.6			ug/L	50.0	<	101	75-125	1.11	20	
2-Chlorotoluene	49.5			ug/L	50.0	<	99.1	75-120	0.157	20	
Benzene	44.3			ug/L	50.0	<	88.6	80-120	0.681	20	
Bromoform	46.6			ug/L	50.0	<	93.1	80-120	0.348	20	
Chlorobenzene	46.4			ug/L	50.0	<	92.8	80-120	0.103	20	
Chloroform	41.7			ug/L	50.0	<	83.4	80-120	1.61	20	
Ethylbenzene	47.2			ug/L	50.0	<	94.4	80-120	1.22	20	
n-Butylbenzene	51.1			ug/L	50.0	<	102	73.8-125	2.31	20	
n-Propylbenzene	49.8			ug/L	50.0	<	99.7	75-120	1.24	20	
Toluene	45.5			ug/L	50.0	<	91.0	80-120	1.66	20	
Trichloroethene	44.8			ug/L	50.0	<	89.5	80-120	1.50	20	
Vinyl chloride	41.1			ug/L	50.0	<	82.2	74.8-130	3.86	20	
Surrogate: 4-Bromofluorobenzene	48.4			ug/L	50.0		96.7	80-124			
Surrogate: Dibromofluoromethane	45.6			ug/L	50.0		91.3	77.1-123			
Surrogate: Toluene-d8	45.8			ug/L	50.0		91.6	78.1-125			

Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet
1,1-Dichloroethane	< 0.025	0.25	0.025	mg/kg wet
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							
cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	42.7			ug/L	50.0		85.3	80-124			
Surrogate: Dibromofluoromethane	46.5			ug/L	50.0		92.9	77.1-123			
Surrogate: Toluene-d8	45.1			ug/L	50.0		90.3	78.1-125			

LCS (B1G0502-BS1)

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	51.0			ug/L	50.0		102	75-120			
1,1-Dichloroethane	42.8			ug/L	50.0		85.7	79.6-120			
1,1-Dichloroethene	43.7			ug/L	50.0		87.5	78.3-120			
1,3,5-Trimethylbenzene	50.3			ug/L	50.0		101	77-120			
1,4-Dichlorobenzene	52.1			ug/L	50.0		104	75-125			
2-Chlorotoluene	52.2			ug/L	50.0		104	75.9-120			
Benzene	48.3			ug/L	50.0		96.6	80-120			
Bromoform	48.1			ug/L	50.0		96.3	80-120			
Chlorobenzene	49.1			ug/L	50.0		98.2	80-120			
Chloroform	47.0			ug/L	50.0		93.9	80-120			
Ethylbenzene	49.8			ug/L	50.0		99.6	80-120			
n-Butylbenzene	49.5			ug/L	50.0		99.0	75-125			
n-Propylbenzene	52.4			ug/L	50.0		105	75-120			
Toluene	49.1			ug/L	50.0		98.2	80-120			
Trichloroethene	49.1			ug/L	50.0		98.1	80-120			
Vinyl chloride	49.3			ug/L	50.0		98.6	75-130			
Surrogate: 4-Bromofluorobenzene	47.3			ug/L	50.0		94.6	80-124			
Surrogate: Dibromofluoromethane	46.7			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	46.7			ug/L	50.0		93.5	78.1-125			

Matrix Spike (B1G0502-MS1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	51.8			ug/L	50.0	<	104	75-125			
1,1-Dichloroethane	43.9			ug/L	50.0	<	87.8	78.7-123			
1,1-Dichloroethene	42.7			ug/L	50.0	<	85.4	75.8-121			
1,3,5-Trimethylbenzene	51.3			ug/L	50.0	<	103	75-120			
1,4-Dichlorobenzene	52.7			ug/L	50.0	<	105	75-125			
2-Chlorotoluene	52.8			ug/L	50.0	<	106	75-120			
Benzene	47.5			ug/L	50.0	<	95.1	80-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Matrix Spike (B1G0502-MS1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

Bromoform	48.7			ug/L	50.0	<	97.3	80-120			
Chlorobenzene	51.6			ug/L	50.0	<	103	80-120			
Chloroform	45.9			ug/L	50.0	<	91.8	80-120			
Ethylbenzene	51.0			ug/L	50.0	<	102	80-120			
n-Butylbenzene	51.4			ug/L	50.0	<	103	73.8-125			
n-Propylbenzene	52.8			ug/L	50.0	<	106	75-120			
Toluene	48.7			ug/L	50.0	<	97.5	80-120			
Trichloroethene	49.6			ug/L	50.0	<	99.2	80-120			
Vinyl chloride	47.5			ug/L	50.0	<	95.1	74.8-130			
Surrogate: 4-Bromofluorobenzene	46.9			ug/L	50.0		93.8	80-124			
Surrogate: Dibromofluoromethane	46.7			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	45.7			ug/L	50.0		91.4	78.1-125			

Matrix Spike Dup (B1G0502-MSD1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	49.6			ug/L	50.0	<	99.1	75-125	4.41	20	
1,1-Dichloroethane	43.4			ug/L	50.0	<	86.8	78.7-123	1.14	20	
1,1-Dichloroethene	43.6			ug/L	50.0	<	87.2	75.8-121	2.02	20	
1,3,5-Trimethylbenzene	50.3			ug/L	50.0	<	101	75-120	2.04	20	
1,4-Dichlorobenzene	52.5			ug/L	50.0	<	105	75-125	0.519	20	
2-Chlorotoluene	50.7			ug/L	50.0	<	101	75-120	4.18	20	
Benzene	47.7			ug/L	50.0	<	95.5	80-120	0.435	20	
Bromoform	49.1			ug/L	50.0	<	98.2	80-120	0.852	20	
Chlorobenzene	50.7			ug/L	50.0	<	101	80-120	1.83	20	
Chloroform	45.5			ug/L	50.0	<	90.9	80-120	0.918	20	
Ethylbenzene	50.8			ug/L	50.0	<	102	80-120	0.427	20	
n-Butylbenzene	49.2			ug/L	50.0	<	98.5	73.8-125	4.25	20	
n-Propylbenzene	50.7			ug/L	50.0	<	101	75-120	3.89	20	
Toluene	47.9			ug/L	50.0	<	95.8	80-120	1.73	20	
Trichloroethene	48.9			ug/L	50.0	<	97.9	80-120	1.28	20	
Vinyl chloride	47.5			ug/L	50.0	<	94.9	74.8-130	0.181	20	
Surrogate: 4-Bromofluorobenzene	47.1			ug/L	50.0		94.3	80-124			
Surrogate: Dibromofluoromethane	47.3			ug/L	50.0		94.5	77.1-123			
Surrogate: Toluene-d8	46.4			ug/L	50.0		92.8	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0612 - General Prep											
Duplicate (B1G0612-DUP1)		Source: 1102925-01				Prepared & Analyzed: 07/06/11					
Flashpoint	>140			°F		>140				5	
Reference (B1G0612-SRM1)											
Reference (B1G0612-SRM1)						Prepared & Analyzed: 07/06/11					
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102925 Date Reported: 07/19/11
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Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
B-02	Target analyte was present in the method blank between the MDL and RL.
B-01	Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

1102925

Project Number: 23/19-1092 4805 810
Project Name: Umore Rd - Hwy/Burns Grands
Sample Origin/State: MN (use two letter postal state abbreviation)

COC Number: N0 33965

COC #	at #	Project Manager	Project QC Contact	Sampled by	Laboratory	Number of Containers/Preservative		Matrix		Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Depth Unit (m./ft. or in.)	Start Depth	Stop Depth	Location	Total Number of Containers	Date	Time
						Water	Soil	Matrix	Type									
01	5	JME	AAN	ADN	Legend	5	5	X	X	6/28/11	10:50	2 FT	2	2	B6-581	5	6/29/11	10:30
02						5	5	X	X		10:55	6	6	B6-581	5			
03						5	5	X	X		11:00	12	12	B6-581	5			
04						5	5	X	X		11:30	2	2	B6-582	5			
05						5	5	X	X		11:45	6	6	B6-582	5			
06						5	5	X	X		11:50	12	12	B6-582	5			
07																		
08																		
09																		
10																		

Handwritten notes: "HOLD -> JME", "Analyze for BTEX, nitrate, nitrite, sulfates, phosphate, VOCs", "Analyze for PCBs, nitrate, nitrite, sulfates, phosphate, VOCs", "HOLD -> JME".

Received By: JME
Received Date: 6/29/11
Received Time: 10:30

Relinquished By: Just Skripke
Relinquished Date: 6/29/11
Relinquished Time: 06:00

On Ice? [X] Yes [] No
Federal Express []
Air Freight []
Other: []

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GRQ TPH, 2860 Full Lev
#2 - Semi-volatile Organics = PAHs, PCB Dioxins, 8270 Full Lev, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phosphate, Ammonia Nitrogen, TRN

Distribution: White-Original Accompanying Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

352 NK custody seals

LEGEND

Technical Services, Inc.

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1102925

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-7600

Project Number: 23/19-1092 488E 810
Project Name: 1 Ave SE - Navy / Burying Grounds
Sample Origin: State MN (use two letter postal state abbreviation)

COC Number: NO 33969

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type		
						Water	Soil	OC
1. B6-583	2	2	FT	12/10	12:10	X	X	X
2. B6-583	6	6			12:15	X	X	X
3. B6-583	12	12			12:20	X	X	X
4. B6-584	2	2			12:45	X	X	X
5. B6-584	6	6			12:50	X	X	X
6. B6-584	12	12			12:55	X	X	X
7. Trip Blank	-	-			-			X
8.								
9.								
10.								

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRG TPH, 2860 Pkg List
- #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Pkg List, Herbicides/Pesticides/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TRN

Relinquished By: Kurt Szymke Date: 06/19/11 06:00
Relinquished By: _____ Date: _____
Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____

Received by: _____ Date: _____
Received by: B. Hovind Date: 06/21/11 10:30
Air Bill Number: _____

Number of Containers/Preservative	Water										Soil									
	VOCA (HCl) #1	SVOC (unpreserved) #2	Dissolved Metals (HNO3)	Total Metals (HNO3)	General Range Organics (HCl)	Nutrients (H2SO4) #4	VOCA (tared MeOH) #1	GRG, BTEX (tared MeOH) #2	DHO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #3	% Solids (plastic vial, unpres.)	VOCA (HCl) #1	SVOC (unpreserved) #2	DHO (tared unpreserved)	GRG, BTEX (tared MeOH) #2	Metals (unpreserved)	SVOCs (unpreserved) #3	% Solids (plastic vial, unpres.)	Total Number of Containers
5	X						X					X	X	X	X	X	X	X	X	5
5							X					X	X	X	X	X	X	X	X	5
4							X					X	X	X	X	X	X	X	X	4
5							X					X	X	X	X	X	X	X	X	5
5							X					X	X	X	X	X	X	X	X	5
4							X					X	X	X	X	X	X	X	X	4

ANALYZE FOR VOLATILE ORGANICS, SVOCs, PESTICIDES, VOCs
ANALYZE FOR VOLATILE ORGANICS, SVOCs, PESTICIDES, VOCs
ANALYZE VOCs
3-58 RR custody seals



88 Empire Drive
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Tel: 651-642-1150
Fax: 651-642-1239

July 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102928
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/29/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A7-SB1_0.5-0.5	1102928-01	Soil	06/28/11 09:10	06/29/11 10:30
A5-SB1_12-12	1102928-02	Soil	06/28/11 10:00	06/29/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 3.5

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A7-SB1_0.5-0.5 (1102928-01) Soil Sampled: 06/28/11 09:10 Received: 06/29/11 10:30										
Arsenic	3.2	0.56	0.062	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	38	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	10	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	8.5	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
A5-SB1_12-12 (1102928-02) Soil Sampled: 06/28/11 10:00 Received: 06/29/11 10:30										
Arsenic	2.3	0.52	0.057	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Barium	29	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	7.5	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.3	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.096	0.096	0.018	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1G0112	07/01/11	07/05/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A7-SB1_0.5-0.5 (1102928-01) Soil Sampled: 06/28/11 09:10 Received: 06/29/11 10:30										
% Solids	89			%	1	B1G0621	07/06/11	07/06/11	% calculation	
A5-SB1_12-12 (1102928-02) Soil Sampled: 06/28/11 10:00 Received: 06/29/11 10:30										
% Solids	97			%	1	B1G0621	07/06/11	07/06/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A7-SB1_0.5-0.5 (1102928-01) Soil Sampled: 06/28/11 09:10 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A7-SB1_0.5-0.5 (1102928-01) Soil Sampled: 06/28/11 09:10 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	59.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	59.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	54.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	58.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	57.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	62.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A5-SB1_12-12 (1102928-02) Soil Sampled: 06/28/11 10:00 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A5-SB1_12-12 (1102928-02) Soil Sampled: 06/28/11 10:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	58.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	55.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	56.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	56.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	56.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	71.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A7-SB1_0.5-0.5 (1102928-01) Soil Sampled: 06/28/11 09:10 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G1316	07/13/11	07/13/11	EPA 1010A/ASTM D93(M)	
A5-SB1_12-12 (1102928-02) Soil Sampled: 06/28/11 10:00 Received: 06/29/11 10:30										
Flashpoint	>140			°F	1	B1G1407	07/14/11	07/14/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0112 - EPA 3050B

Blank (B1G0112-BLK1)

Prepared: 07/01/11 Analyzed: 07/05/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G0112-BS1)

Prepared: 07/01/11 Analyzed: 07/05/11

Arsenic	41.3	0.50	0.055	mg/kg wet	39.9		104	80-120			
Barium	40.5	1.0	0.060	mg/kg wet	39.9		101	80-120			
Cadmium	40.0	0.25	0.033	mg/kg wet	39.9		100	80-120			
Chromium	41.0	0.50	0.012	mg/kg wet	39.9		103	80-120			
Lead	41.6	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	41.1	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.03	0.25	0.016	mg/kg wet	3.99		101	80-120			

LCS Dup (B1G0112-BSD1)

Prepared: 07/01/11 Analyzed: 07/05/11

Arsenic	42.9	0.50	0.055	mg/kg wet	39.9		108	80-120	3.80	20	
Barium	42.4	1.0	0.060	mg/kg wet	39.9		106	80-120	4.61	20	
Cadmium	41.6	0.25	0.033	mg/kg wet	39.9		104	80-120	4.02	20	
Chromium	42.8	0.50	0.012	mg/kg wet	39.9		107	80-120	4.12	20	
Lead	43.3	1.0	0.14	mg/kg wet	39.9		109	80-120	4.02	20	
Selenium	42.9	1.0	0.095	mg/kg wet	39.9		108	80-120	4.28	20	
Silver	4.18	0.25	0.016	mg/kg wet	3.99		105	80-120	3.74	20	

Matrix Spike (B1G0112-MS1)

Source: 1102869-01

Prepared: 07/01/11 Analyzed: 07/05/11

Arsenic	45.6	0.53	0.058	mg/kg dry	41.0	1.77	107	75-125			
Barium	62.3	1.1	0.063	mg/kg dry	41.0	17.2	110	75-125			
Cadmium	42.7	0.26	0.035	mg/kg dry	41.0	<0.26	104	75-125			
Chromium	46.7	0.53	0.013	mg/kg dry	41.0	5.68	100	75-125			
Lead	43.3	1.1	0.15	mg/kg dry	41.0	2.15	100	75-125			
Selenium	43.7	1.1	0.10	mg/kg dry	41.0	<1.1	107	75-125			
Silver	4.13	0.26	0.017	mg/kg dry	4.10	<0.26	101	75-125			

Matrix Spike Dup (B1G0112-MSD1)

Source: 1102869-01

Prepared: 07/01/11 Analyzed: 07/05/11

Arsenic	44.3	0.53	0.058	mg/kg dry	40.8	1.77	104	75-125	3.03	20	
Barium	58.5	1.1	0.063	mg/kg dry	40.8	17.2	101	75-125	6.31	20	
Cadmium	41.2	0.26	0.035	mg/kg dry	40.8	<0.26	101	75-125	3.52	20	
Chromium	45.4	0.53	0.013	mg/kg dry	40.8	5.68	97.3	75-125	2.91	20	
Lead	42.1	1.1	0.15	mg/kg dry	40.8	2.15	98.1	75-125	2.69	20	
Selenium	42.3	1.1	0.10	mg/kg dry	40.8	<1.1	104	75-125	3.25	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0112 - EPA 3050B											
Matrix Spike Dup (B1G0112-MSD1)			Source: 1102869-01			Prepared: 07/01/11		Analyzed: 07/05/11			
Silver	4.02	0.26	0.017	mg/kg dry	4.08	<0.26	98.6	75-125	2.73	20	
Batch B1G0710 - EPA 7471A											
Blank (B1G0710-BLK1)						Prepared: 07/07/11		Analyzed: 07/11/11			
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0710-BS1)						Prepared: 07/07/11		Analyzed: 07/11/11			
Mercury	0.172	0.10	0.019	mg/kg wet	0.200		86.0	80-120			
LCS Dup (B1G0710-BSD1)						Prepared: 07/07/11		Analyzed: 07/11/11			
Mercury	0.183	0.10	0.019	mg/kg wet	0.200		91.5	80-120	6.20	20	
Matrix Spike (B1G0710-MS1)			Source: 1102920-01			Prepared: 07/07/11		Analyzed: 07/11/11			
Mercury	0.173	0.095	0.018	mg/kg dry	0.191	<0.095	91.0	75-125			
Matrix Spike Dup (B1G0710-MSD1)			Source: 1102920-01			Prepared: 07/07/11		Analyzed: 07/11/11			
Mercury	0.176	0.098	0.019	mg/kg dry	0.195	<0.098	90.0	75-125	1.17	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0621 - General Preparation											
Duplicate (B1G0621-DUP1)	Source: 1102924-03		Prepared & Analyzed: 07/06/11								
% Solids	91.0			%		88.0			3.35	20	
Duplicate (B1G0621-DUP2)	Source: 1102930-06		Prepared & Analyzed: 07/06/11								
% Solids	81.0			%		81.0			0.00	20	
Duplicate (B1G0621-DUP3)	Source: 1102962-04		Prepared & Analyzed: 07/06/11								
% Solids	97.0			%		98.0			1.03	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Blank (B1G1101-BLK1)

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Blank (B1G1101-BLK1)

Prepared & Analyzed: 07/11/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.40			mg/kg wet	6.67		66.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.09			mg/kg wet	6.67		61.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.78			mg/kg wet	6.67		56.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.99			mg/kg wet	6.67		59.8	48.9-100			
Surrogate: Phenol-d6	4.07			mg/kg wet	6.67		61.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.46			mg/kg wet	6.67		81.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

LCS (B1G1101-BS1)

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.75	0.33	0.031	mg/kg wet	6.67		71.2	59.1-87.7			
1,4-Dichlorobenzene	4.75	0.33	0.029	mg/kg wet	6.67		71.3	50.3-72.9			
2,4-Dinitrotoluene	5.46	0.33	0.035	mg/kg wet	6.67		81.9	59.8-82.2			
2-Chlorophenol	4.91	0.67	0.060	mg/kg wet	6.67		73.7	59.7-77.3			
4-Chloro-3-methylphenol	5.13	0.67	0.066	mg/kg wet	6.67		76.9	63.6-80.4			
4-Nitrophenol	5.23	0.67	0.093	mg/kg wet	6.67		78.5	57.3-84.9			
Anthracene	5.80	0.33	0.036	mg/kg wet	6.67		87.0	67.3-88			
Benzo(a)anthracene	5.83	0.33	0.041	mg/kg wet	6.67		87.4	66.5-90.5			
Benzo(a)pyrene	5.91	0.33	0.042	mg/kg wet	6.67		88.7	66.1-89.7			
Chrysene	5.82	0.33	0.044	mg/kg wet	6.67		87.3	65.5-90.5			
Fluoranthene	5.79	0.33	0.039	mg/kg wet	6.67		86.8	66.7-89.9			
Fluorene	5.56	0.33	0.035	mg/kg wet	6.67		83.4	66.2-85.6			
N-Nitrosodi-n-propylamine	5.15	0.33	0.033	mg/kg wet	6.67		77.3	59.4-78			
Pentachlorophenol	4.19	0.67	0.078	mg/kg wet	6.67		62.9	46.7-83.2			
Phenanthrene	5.78	0.33	0.036	mg/kg wet	6.67		86.7	67.5-87.9			
Phenol	5.00	0.67	0.069	mg/kg wet	6.67		75.1	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	5.03			mg/kg wet	6.67		75.4	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	5.15			mg/kg wet	6.67		77.2	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.84			mg/kg wet	6.67		72.6	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.97			mg/kg wet	6.67		74.6	48.9-100			
<i>Surrogate: Phenol-d6</i>	5.15			mg/kg wet	6.67		77.3	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	5.33			mg/kg wet	6.67		79.9	51-99.6			

Matrix Spike (B1G1101-MS1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.85	0.37	0.034	mg/kg dry	7.45	<0.37	65.1	44.8-97.9			
1,4-Dichlorobenzene	4.88	0.37	0.032	mg/kg dry	7.45	<0.37	65.5	42.3-77.9			
2,4-Dinitrotoluene	5.58	0.37	0.039	mg/kg dry	7.45	<0.37	74.9	57.3-86.6			
2-Chlorophenol	4.98	0.74	0.067	mg/kg dry	7.45	<0.74	66.8	43.3-93.2			
4-Chloro-3-methylphenol	5.30	0.74	0.073	mg/kg dry	7.45	<0.74	71.2	47.1-97.6			
4-Nitrophenol	5.53	0.74	0.10	mg/kg dry	7.45	<0.74	74.3	49.3-96.2			
Anthracene	5.97	0.37	0.040	mg/kg dry	7.45	<0.37	80.2	67.5-93.1			
Benzo(a)anthracene	6.04	0.37	0.046	mg/kg dry	7.45	<0.37	81.1	59.8-95.7			
Benzo(a)pyrene	6.12	0.37	0.047	mg/kg dry	7.45	<0.37	82.1	59.8-92.7			
Chrysene	6.05	0.37	0.049	mg/kg dry	7.45	<0.37	81.3	62.5-94.6			
Fluoranthene	5.98	0.37	0.043	mg/kg dry	7.45	<0.37	80.3	61.3-92.8			
Fluorene	5.66	0.37	0.039	mg/kg dry	7.45	<0.37	76.1	62.8-92.6			
N-Nitrosodi-n-propylamine	5.17	0.37	0.037	mg/kg dry	7.45	<0.37	69.5	46.9-89.9			
Pentachlorophenol	4.74	0.74	0.087	mg/kg dry	7.45	<0.74	63.7	40.1-95.1			
Phenanthrene	5.96	0.37	0.040	mg/kg dry	7.45	<0.37	80.0	65.2-92.2			
Phenol	5.09	0.74	0.077	mg/kg dry	7.45	<0.74	68.3	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Matrix Spike (B1G1101-MS1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

Surrogate: 2,4,6-Tribromophenol	5.21			mg/kg dry	7.45		69.9	53-107			
Surrogate: 2-Fluorobiphenyl	5.23			mg/kg dry	7.45		70.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.97			mg/kg dry	7.45		66.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.19			mg/kg dry	7.45		69.7	48.9-100			
Surrogate: Phenol-d6	5.31			mg/kg dry	7.45		71.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.48			mg/kg dry	7.45		73.6	51-99.6			

Matrix Spike Dup (B1G1101-MSD1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	5.28	0.37	0.034	mg/kg dry	7.45	<0.37	70.9	44.8-97.9	8.53	19.6	
1,4-Dichlorobenzene	5.13	0.37	0.032	mg/kg dry	7.45	<0.37	68.9	42.3-77.9	5.07	22.4	
2,4-Dinitrotoluene	6.08	0.37	0.039	mg/kg dry	7.45	<0.37	81.6	57.3-86.6	8.60	19.5	
2-Chlorophenol	5.43	0.74	0.067	mg/kg dry	7.45	<0.74	72.8	43.3-93.2	8.63	23.7	
4-Chloro-3-methylphenol	5.76	0.74	0.073	mg/kg dry	7.45	<0.74	77.2	47.1-97.6	8.17	18.3	
4-Nitrophenol	6.05	0.74	0.10	mg/kg dry	7.45	<0.74	81.2	49.3-96.2	8.94	20.4	
Anthracene	6.44	0.37	0.040	mg/kg dry	7.45	<0.37	86.4	67.5-93.1	7.55	19.9	
Benzo(a)anthracene	6.46	0.37	0.046	mg/kg dry	7.45	<0.37	86.6	59.8-95.7	6.67	23.4	
Benzo(a)pyrene	6.64	0.37	0.047	mg/kg dry	7.45	<0.37	89.1	59.8-92.7	8.17	21.1	
Chrysene	6.52	0.37	0.049	mg/kg dry	7.45	<0.37	87.5	62.5-94.6	7.47	24.8	
Fluoranthene	6.45	0.37	0.043	mg/kg dry	7.45	<0.37	86.5	61.3-92.8	7.54	21.8	
Fluorene	6.21	0.37	0.039	mg/kg dry	7.45	<0.37	83.4	62.8-92.6	9.23	17.6	
N-Nitrosodi-n-propylamine	5.67	0.37	0.037	mg/kg dry	7.45	<0.37	76.1	46.9-89.9	9.20	18.9	
Pentachlorophenol	5.17	0.74	0.087	mg/kg dry	7.45	<0.74	69.3	40.1-95.1	8.60	19.7	
Phenanthrene	6.37	0.37	0.040	mg/kg dry	7.45	<0.37	85.5	65.2-92.2	6.65	20.5	
Phenol	5.54	0.74	0.077	mg/kg dry	7.45	<0.74	74.4	44.7-91	8.50	17.9	
Surrogate: 2,4,6-Tribromophenol	5.73			mg/kg dry	7.45		76.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.75			mg/kg dry	7.45		77.2	53.9-97.9			
Surrogate: 2-Fluorophenol	5.30			mg/kg dry	7.45		71.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.49			mg/kg dry	7.45		73.7	48.9-100			
Surrogate: Phenol-d6	5.64			mg/kg dry	7.45		75.6	50.4-99.6			
Surrogate: Terphenyl-d14	5.82			mg/kg dry	7.45		78.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1316 - General Prep											
Duplicate (B1G1316-DUP1)		Source: 1102921-03				Prepared & Analyzed: 07/13/11					
Flashpoint	>140			°F		0.00				5	
Reference (B1G1316-SRM1)											
Reference (B1G1316-SRM1)						Prepared & Analyzed: 07/13/11					
Flashpoint	78.0			°F	78.0		100	97.4-102.6			
Batch B1G1407 - General Prep											
Duplicate (B1G1407-DUP1)		Source: 1102962-03				Prepared & Analyzed: 07/14/11					
Flashpoint	>140			°F		0.00				5	
Reference (B1G1407-SRM1)											
Reference (B1G1407-SRM1)						Prepared & Analyzed: 07/14/11					
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102928 Date Reported: 07/19/11
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Notes and Definitions

< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

COC 2 of 5

Project Manager: JME

Project OC Contact: ANU

Sampled by: ANU

Laboratory: Legend

COC Number	Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Collection Time (hh:mm)	Type	Number of Containers/Preservative					
							Water	Soil			Water	Soil				
1. <u>A7-581</u>		<u>0.5</u>	<u>0.5</u>	<u>ft</u>	<u>6/15/01</u>	<u>9:10</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
2. <u>A5-581</u>		<u>12</u>	<u>12</u>	<u>ft</u>	<u>↓</u>	<u>10:00</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 1319-1092 482 810

Project Name: Unwr Rē - Cow North

Sample Origination State: MN (see two letter postal state abbreviation)

COC Number: NO 33968

Received by: _____

Date: 6/29/11

Time: 10:30

Received: [Signature]

Air Bill Number: _____

Received by: _____

Date: _____

Time: _____

Received: _____

Air Bill Number: _____

Water	Soil
VOCs (hard MEQ) #1	VOCs (hard MEQ) #1
CRO, BTEX (hard MEQ) #1	CRO, BTEX (hard MEQ) #1
DRO (hard unpreserved)	DRO (hard unpreserved)
Metals (unpreserved)	Metals (unpreserved)
SVOCs (unpreserved) #2	SVOCs (unpreserved) #2
% Solids (plastic vial, unpres.)	% Solids (plastic vial, unpres.)

Total Number Of Containers: 4

Analysis for: Diagnosis
SVOCs, BTEX, Pesticides

Requisitioned By: [Signature]

Date: 6/15/01

Time: 0600

On Ice? X

Requisitioned By: _____

Date: _____

Time: _____

On Ice? Y N

Samples Shipped Via: Air Freight Federal Express Sampler Other:

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

3.52 RR custody sons

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GAO, THM, DSO Full List

#2 - Semivolatile Organics = PAHs, PCB, Dioxin, BB70

#3 - Full List, Herbicide/Pesticide/PCBs

#4 - General = pH, Chloride, Fluoride, Alkalinity, TSS, DS, TS, Sulfate

#5 - Nutrients = COD, TOC, Phosphorus, Ammonia Nitrogen, TEV



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 14, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102929
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/29/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
713A-SB1_12-12	1102929-01	Soil	06/28/11 14:00	06/29/11 10:30
718A-SB1_16-16	1102929-02	Soil	06/28/11 15:00	06/29/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 3.5

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
713A-SB1_12-12 (1102929-01) Soil Sampled: 06/28/11 14:00 Received: 06/29/11 10:30										
Arsenic	1.9	0.52	0.057	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	22	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	25	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.8	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.096	0.096	0.018	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
718A-SB1_16-16 (1102929-02) Soil Sampled: 06/28/11 15:00 Received: 06/29/11 10:30										
Arsenic	1.9	0.53	0.059	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	13	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	11	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	2.0	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
713A-SB1_12-12 (1102929-01) Soil Sampled: 06/28/11 14:00 Received: 06/29/11 10:30										
% Solids	96			%	1	B1G0621	07/06/11	07/06/11	% calculation	
718A-SB1_16-16 (1102929-02) Soil Sampled: 06/28/11 15:00 Received: 06/29/11 10:30										
% Solids	94			%	1	B1G0621	07/06/11	07/06/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
713A-SB1_12-12 (1102929-01) Soil Sampled: 06/28/11 14:00 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
713A-SB1_12-12 (1102929-01) Soil Sampled: 06/28/11 14:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	89.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
718A-SB1_16-16 (1102929-02) Soil Sampled: 06/28/11 15:00 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
718A-SB1_16-16 (1102929-02) Soil Sampled: 06/28/11 15:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	99.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
713A-SB1_12-12 (1102929-01) Soil Sampled: 06/28/11 14:00 Received: 06/29/11 10:30										
1,1,1,2-Tetrachloroethane	<0.069	0.29	0.069	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.037	0.29	0.037	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.030	0.29	0.030	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.040	0.29	0.040	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.080	0.29	0.080	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.027	0.29	0.027	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.029	0.29	0.029	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.025	0.29	0.025	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.071	0.59	0.071	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.028	0.29	0.028	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.032	0.59	0.032	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.021	0.29	0.021	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.081	0.59	0.081	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.026	0.29	0.026	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.023	0.29	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.032	0.29	0.032	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.036	0.29	0.036	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.023	0.29	0.023	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.030	0.29	0.030	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.026	0.29	0.026	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.020	0.29	0.020	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.070	0.59	0.070	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.10	2.3	0.10	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.016	0.29	0.016	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.025	0.29	0.025	mg/kg dry	1	"	"	"	"	
Acetone	<0.22	2.3	0.22	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.068	0.59	0.068	mg/kg dry	1	"	"	"	"	
Benzene	<0.018	0.29	0.018	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.032	0.29	0.032	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.043	0.29	0.043	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.032	0.29	0.032	mg/kg dry	1	"	"	"	"	
Bromoform	<0.032	0.59	0.032	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.13	0.59	0.13	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.040	0.29	0.040	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.022	0.29	0.022	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.043	0.29	0.043	mg/kg dry	1	"	"	"	"	
Chloroform	<0.025	0.29	0.025	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.071	0.29	0.071	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.030	0.29	0.030	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102929
 Date Reported: 07/14/11

VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
713A-SB1_12-12 (1102929-01) Soil Sampled: 06/28/11 14:00 Received: 06/29/11 10:30										
cis-1,3-Dichloropropene	<0.026	0.29	0.026	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Dibromochloromethane	<0.040	0.29	0.040	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.034	0.29	0.034	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.12	0.59	0.12	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.044	0.29	0.044	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.044	0.59	0.044	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.013	0.29	0.013	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.081	1.2	0.081	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.022	0.29	0.022	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.055	0.59	0.055	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.096	0.59	0.096	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.019	0.29	0.019	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.068	1.2	0.068	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.064	0.59	0.064	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.032	0.29	0.032	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.025	0.29	0.025	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.029	0.29	0.029	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.016	0.29	0.016	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.020	0.29	0.020	mg/kg dry	1	"	"	"	"	
Styrene	<0.023	0.29	0.023	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.021	0.29	0.021	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.033	0.29	0.033	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.14	2.3	0.14	mg/kg dry	1	"	"	"	"	
Toluene	<0.019	0.29	0.019	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.035	0.29	0.035	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.027	0.29	0.027	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.048	0.29	0.048	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.041	0.29	0.041	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.076	0.29	0.076	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	90.1			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.4			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	91.4			78.1-125 %		"	"	"	"	

718A-SB1_16-16 (1102929-02) Soil Sampled: 06/28/11 15:00 Received: 06/29/11 10:30

1,1,1,2-Tetrachloroethane	<0.074	0.31	0.074	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.040	0.31	0.040	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.043	0.31	0.043	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.085	0.31	0.085	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.029	0.31	0.029	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
718A-SB1_16-16 (1102929-02) Soil Sampled: 06/28/11 15:00 Received: 06/29/11 10:30										
1,1-Dichloroethene	<0.031	0.31	0.031	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1-Dichloropropene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.076	0.63	0.076	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.030	0.31	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.034	0.63	0.034	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.023	0.31	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.086	0.63	0.086	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.028	0.31	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.025	0.31	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.034	0.31	0.034	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.039	0.31	0.039	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.025	0.31	0.025	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.028	0.31	0.028	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.021	0.31	0.021	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.075	0.63	0.075	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.11	2.5	0.11	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.018	0.31	0.018	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
Acetone	<0.24	2.5	0.24	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.073	0.63	0.073	mg/kg dry	1	"	"	"	"	
Benzene	<0.019	0.31	0.019	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.034	0.31	0.034	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.046	0.31	0.046	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.034	0.31	0.034	mg/kg dry	1	"	"	"	"	
Bromoform	<0.034	0.63	0.034	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.14	0.63	0.14	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.043	0.31	0.043	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.024	0.31	0.024	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.046	0.31	0.046	mg/kg dry	1	"	"	"	"	
Chloroform	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.076	0.31	0.076	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.028	0.31	0.028	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.043	0.31	0.043	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.036	0.31	0.036	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.12	0.63	0.12	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.048	0.31	0.048	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.048	0.63	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
718A-SB1_16-16 (1102929-02) Soil Sampled: 06/28/11 15:00 Received: 06/29/11 10:30										
Ethylbenzene	<0.014	0.31	0.014	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Hexachlorobutadiene	<0.086	1.3	0.086	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.024	0.31	0.024	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.059	0.63	0.059	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.10	0.63	0.10	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.020	0.31	0.020	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.073	1.3	0.073	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.069	0.63	0.069	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.034	0.31	0.034	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.031	0.31	0.031	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.018	0.31	0.018	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.021	0.31	0.021	mg/kg dry	1	"	"	"	"	
Styrene	<0.025	0.31	0.025	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.023	0.31	0.023	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.035	0.31	0.035	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.15	2.5	0.15	mg/kg dry	1	"	"	"	"	
Toluene	<0.020	0.31	0.020	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.038	0.31	0.038	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.029	0.31	0.029	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.051	0.31	0.051	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.044	0.31	0.044	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.081	0.31	0.081	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.3			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	92.9			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.7			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0710 - EPA 7471A											
Blank (B1G0710-BLK1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0710-BS1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.172	0.10	0.019	mg/kg wet	0.200		86.0	80-120			
LCS Dup (B1G0710-BSD1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.183	0.10	0.019	mg/kg wet	0.200		91.5	80-120	6.20	20	
Matrix Spike (B1G0710-MS1)						Source: 1102920-01 Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.173	0.095	0.018	mg/kg dry	0.191	<0.095	91.0	75-125			
Matrix Spike Dup (B1G0710-MSD1)						Source: 1102920-01 Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.176	0.098	0.019	mg/kg dry	0.195	<0.098	90.0	75-125	1.17	20	
Batch B1G0713 - EPA 3050B											
Blank (B1G0713-BLK1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0713-BS1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.1	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	40.9	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.09	0.25	0.016	mg/kg wet	3.99		102	80-120			
LCS Dup (B1G0713-BSD1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	40.4	0.50	0.055	mg/kg wet	39.9		101	80-120	0.245	20	
Barium	41.9	1.0	0.060	mg/kg wet	39.9		105	80-120	0.393	20	
Cadmium	40.7	0.25	0.033	mg/kg wet	39.9		102	80-120	0.817	20	
Chromium	41.3	0.50	0.012	mg/kg wet	39.9		104	80-120	0.692	20	
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120	0.639	20	
Selenium	40.6	1.0	0.095	mg/kg wet	39.9		102	80-120	0.597	20	
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120	0.601	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0713 - EPA 3050B											
Matrix Spike (B1G0713-MS1)		Source: 1102925-01			Prepared: 07/07/11		Analyzed: 07/11/11				
Arsenic	42.3	0.52	0.057	mg/kg dry	39.4	1.54	103	75-125			
Barium	58.7	1.0	0.062	mg/kg dry	39.4	17.7	104	75-125			
Cadmium	41.2	0.26	0.034	mg/kg dry	39.4	<0.26	104	75-125			
Chromium	45.1	0.52	0.012	mg/kg dry	39.4	5.16	101	75-125			
Lead	39.5	1.0	0.14	mg/kg dry	39.4	1.25	97.1	75-125			
Selenium	40.5	1.0	0.098	mg/kg dry	39.4	<1.0	103	75-125			
Silver	4.02	0.26	0.016	mg/kg dry	3.94	<0.26	102	75-125			
Matrix Spike Dup (B1G0713-MSD1)											
Matrix Spike Dup (B1G0713-MSD1)		Source: 1102925-01			Prepared: 07/07/11		Analyzed: 07/11/11				
Arsenic	40.8	0.49	0.054	mg/kg dry	38.8	1.54	101	75-125	3.72	20	
Barium	59.3	0.97	0.058	mg/kg dry	38.8	17.7	107	75-125	0.951	20	
Cadmium	39.9	0.24	0.032	mg/kg dry	38.8	<0.24	103	75-125	3.22	20	
Chromium	43.8	0.49	0.012	mg/kg dry	38.8	5.16	99.4	75-125	3.06	20	
Lead	38.8	0.97	0.14	mg/kg dry	38.8	1.25	96.6	75-125	1.92	20	
Selenium	39.6	0.97	0.092	mg/kg dry	38.8	<0.97	102	75-125	2.24	20	
Silver	3.88	0.24	0.016	mg/kg dry	3.88	<0.24	99.8	75-125	3.73	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G0621 - General Preparation												
Duplicate (B1G0621-DUP1)							Source: 1102924-03					Prepared & Analyzed: 07/06/11
% Solids	91.0			%		88.0			3.35	20		
Duplicate (B1G0621-DUP2)							Source: 1102930-06					Prepared & Analyzed: 07/06/11
% Solids	81.0			%		81.0			0.00	20		
Duplicate (B1G0621-DUP3)							Source: 1102962-04					Prepared & Analyzed: 07/06/11
% Solids	97.0			%		98.0			1.03	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Blank (B1G1101-BLK1)

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Blank (B1G1101-BLK1)

Prepared & Analyzed: 07/11/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.40			mg/kg wet	6.67		66.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.09			mg/kg wet	6.67		61.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.78			mg/kg wet	6.67		56.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.99			mg/kg wet	6.67		59.8	48.9-100			
Surrogate: Phenol-d6	4.07			mg/kg wet	6.67		61.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.46			mg/kg wet	6.67		81.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

LCS (B1G1101-BS1)

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.75	0.33	0.031	mg/kg wet	6.67		71.2	59.1-87.7			
1,4-Dichlorobenzene	4.75	0.33	0.029	mg/kg wet	6.67		71.3	50.3-72.9			
2,4-Dinitrotoluene	5.46	0.33	0.035	mg/kg wet	6.67		81.9	59.8-82.2			
2-Chlorophenol	4.91	0.67	0.060	mg/kg wet	6.67		73.7	59.7-77.3			
4-Chloro-3-methylphenol	5.13	0.67	0.066	mg/kg wet	6.67		76.9	63.6-80.4			
4-Nitrophenol	5.23	0.67	0.093	mg/kg wet	6.67		78.5	57.3-84.9			
Anthracene	5.80	0.33	0.036	mg/kg wet	6.67		87.0	67.3-88			
Benzo(a)anthracene	5.83	0.33	0.041	mg/kg wet	6.67		87.4	66.5-90.5			
Benzo(a)pyrene	5.91	0.33	0.042	mg/kg wet	6.67		88.7	66.1-89.7			
Chrysene	5.82	0.33	0.044	mg/kg wet	6.67		87.3	65.5-90.5			
Fluoranthene	5.79	0.33	0.039	mg/kg wet	6.67		86.8	66.7-89.9			
Fluorene	5.56	0.33	0.035	mg/kg wet	6.67		83.4	66.2-85.6			
N-Nitrosodi-n-propylamine	5.15	0.33	0.033	mg/kg wet	6.67		77.3	59.4-78			
Pentachlorophenol	4.19	0.67	0.078	mg/kg wet	6.67		62.9	46.7-83.2			
Phenanthrene	5.78	0.33	0.036	mg/kg wet	6.67		86.7	67.5-87.9			
Phenol	5.00	0.67	0.069	mg/kg wet	6.67		75.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.03			mg/kg wet	6.67		75.4	53-107			
Surrogate: 2-Fluorobiphenyl	5.15			mg/kg wet	6.67		77.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.84			mg/kg wet	6.67		72.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.97			mg/kg wet	6.67		74.6	48.9-100			
Surrogate: Phenol-d6	5.15			mg/kg wet	6.67		77.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.33			mg/kg wet	6.67		79.9	51-99.6			

Matrix Spike (B1G1101-MS1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.85	0.37	0.034	mg/kg dry	7.45	<0.37	65.1	44.8-97.9			
1,4-Dichlorobenzene	4.88	0.37	0.032	mg/kg dry	7.45	<0.37	65.5	42.3-77.9			
2,4-Dinitrotoluene	5.58	0.37	0.039	mg/kg dry	7.45	<0.37	74.9	57.3-86.6			
2-Chlorophenol	4.98	0.74	0.067	mg/kg dry	7.45	<0.74	66.8	43.3-93.2			
4-Chloro-3-methylphenol	5.30	0.74	0.073	mg/kg dry	7.45	<0.74	71.2	47.1-97.6			
4-Nitrophenol	5.53	0.74	0.10	mg/kg dry	7.45	<0.74	74.3	49.3-96.2			
Anthracene	5.97	0.37	0.040	mg/kg dry	7.45	<0.37	80.2	67.5-93.1			
Benzo(a)anthracene	6.04	0.37	0.046	mg/kg dry	7.45	<0.37	81.1	59.8-95.7			
Benzo(a)pyrene	6.12	0.37	0.047	mg/kg dry	7.45	<0.37	82.1	59.8-92.7			
Chrysene	6.05	0.37	0.049	mg/kg dry	7.45	<0.37	81.3	62.5-94.6			
Fluoranthene	5.98	0.37	0.043	mg/kg dry	7.45	<0.37	80.3	61.3-92.8			
Fluorene	5.66	0.37	0.039	mg/kg dry	7.45	<0.37	76.1	62.8-92.6			
N-Nitrosodi-n-propylamine	5.17	0.37	0.037	mg/kg dry	7.45	<0.37	69.5	46.9-89.9			
Pentachlorophenol	4.74	0.74	0.087	mg/kg dry	7.45	<0.74	63.7	40.1-95.1			
Phenanthrene	5.96	0.37	0.040	mg/kg dry	7.45	<0.37	80.0	65.2-92.2			
Phenol	5.09	0.74	0.077	mg/kg dry	7.45	<0.74	68.3	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Matrix Spike (B1G1101-MS1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

Surrogate: 2,4,6-Tribromophenol	5.21			mg/kg dry	7.45		69.9	53-107			
Surrogate: 2-Fluorobiphenyl	5.23			mg/kg dry	7.45		70.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.97			mg/kg dry	7.45		66.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.19			mg/kg dry	7.45		69.7	48.9-100			
Surrogate: Phenol-d6	5.31			mg/kg dry	7.45		71.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.48			mg/kg dry	7.45		73.6	51-99.6			

Matrix Spike Dup (B1G1101-MSD1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	5.28	0.37	0.034	mg/kg dry	7.45	<0.37	70.9	44.8-97.9	8.53	19.6	
1,4-Dichlorobenzene	5.13	0.37	0.032	mg/kg dry	7.45	<0.37	68.9	42.3-77.9	5.07	22.4	
2,4-Dinitrotoluene	6.08	0.37	0.039	mg/kg dry	7.45	<0.37	81.6	57.3-86.6	8.60	19.5	
2-Chlorophenol	5.43	0.74	0.067	mg/kg dry	7.45	<0.74	72.8	43.3-93.2	8.63	23.7	
4-Chloro-3-methylphenol	5.76	0.74	0.073	mg/kg dry	7.45	<0.74	77.2	47.1-97.6	8.17	18.3	
4-Nitrophenol	6.05	0.74	0.10	mg/kg dry	7.45	<0.74	81.2	49.3-96.2	8.94	20.4	
Anthracene	6.44	0.37	0.040	mg/kg dry	7.45	<0.37	86.4	67.5-93.1	7.55	19.9	
Benzo(a)anthracene	6.46	0.37	0.046	mg/kg dry	7.45	<0.37	86.6	59.8-95.7	6.67	23.4	
Benzo(a)pyrene	6.64	0.37	0.047	mg/kg dry	7.45	<0.37	89.1	59.8-92.7	8.17	21.1	
Chrysene	6.52	0.37	0.049	mg/kg dry	7.45	<0.37	87.5	62.5-94.6	7.47	24.8	
Fluoranthene	6.45	0.37	0.043	mg/kg dry	7.45	<0.37	86.5	61.3-92.8	7.54	21.8	
Fluorene	6.21	0.37	0.039	mg/kg dry	7.45	<0.37	83.4	62.8-92.6	9.23	17.6	
N-Nitrosodi-n-propylamine	5.67	0.37	0.037	mg/kg dry	7.45	<0.37	76.1	46.9-89.9	9.20	18.9	
Pentachlorophenol	5.17	0.74	0.087	mg/kg dry	7.45	<0.74	69.3	40.1-95.1	8.60	19.7	
Phenanthrene	6.37	0.37	0.040	mg/kg dry	7.45	<0.37	85.5	65.2-92.2	6.65	20.5	
Phenol	5.54	0.74	0.077	mg/kg dry	7.45	<0.74	74.4	44.7-91	8.50	17.9	
Surrogate: 2,4,6-Tribromophenol	5.73			mg/kg dry	7.45		76.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.75			mg/kg dry	7.45		77.2	53.9-97.9			
Surrogate: 2-Fluorophenol	5.30			mg/kg dry	7.45		71.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.49			mg/kg dry	7.45		73.7	48.9-100			
Surrogate: Phenol-d6	5.64			mg/kg dry	7.45		75.6	50.4-99.6			
Surrogate: Terphenyl-d14	5.82			mg/kg dry	7.45		78.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	42.7			ug/L	50.0		85.3	80-124			
Surrogate: Dibromofluoromethane	46.5			ug/L	50.0		92.9	77.1-123			
Surrogate: Toluene-d8	45.1			ug/L	50.0		90.3	78.1-125			

LCS (B1G0502-BS1)

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	51.0			ug/L	50.0		102	75-120			
1,1-Dichloroethane	42.8			ug/L	50.0		85.7	79.6-120			
1,1-Dichloroethene	43.7			ug/L	50.0		87.5	78.3-120			
1,3,5-Trimethylbenzene	50.3			ug/L	50.0		101	77-120			
1,4-Dichlorobenzene	52.1			ug/L	50.0		104	75-125			
2-Chlorotoluene	52.2			ug/L	50.0		104	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

LCS (B1G0502-BS1)

Prepared & Analyzed: 07/05/11

Benzene	48.3			ug/L	50.0		96.6	80-120			
Bromoform	48.1			ug/L	50.0		96.3	80-120			
Chlorobenzene	49.1			ug/L	50.0		98.2	80-120			
Chloroform	47.0			ug/L	50.0		93.9	80-120			
Ethylbenzene	49.8			ug/L	50.0		99.6	80-120			
n-Butylbenzene	49.5			ug/L	50.0		99.0	75-125			
n-Propylbenzene	52.4			ug/L	50.0		105	75-120			
Toluene	49.1			ug/L	50.0		98.2	80-120			
Trichloroethene	49.1			ug/L	50.0		98.1	80-120			
Vinyl chloride	49.3			ug/L	50.0		98.6	75-130			
Surrogate: 4-Bromofluorobenzene	47.3			ug/L	50.0		94.6	80-124			
Surrogate: Dibromofluoromethane	46.7			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	46.7			ug/L	50.0		93.5	78.1-125			

Matrix Spike (B1G0502-MS1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	51.8			ug/L	50.0	<	104	75-125			
1,1-Dichloroethane	43.9			ug/L	50.0	<	87.8	78.7-123			
1,1-Dichloroethene	42.7			ug/L	50.0	<	85.4	75.8-121			
1,3,5-Trimethylbenzene	51.3			ug/L	50.0	<	103	75-120			
1,4-Dichlorobenzene	52.7			ug/L	50.0	<	105	75-125			
2-Chlorotoluene	52.8			ug/L	50.0	<	106	75-120			
Benzene	47.5			ug/L	50.0	<	95.1	80-120			
Bromoform	48.7			ug/L	50.0	<	97.3	80-120			
Chlorobenzene	51.6			ug/L	50.0	<	103	80-120			
Chloroform	45.9			ug/L	50.0	<	91.8	80-120			
Ethylbenzene	51.0			ug/L	50.0	<	102	80-120			
n-Butylbenzene	51.4			ug/L	50.0	<	103	73.8-125			
n-Propylbenzene	52.8			ug/L	50.0	<	106	75-120			
Toluene	48.7			ug/L	50.0	<	97.5	80-120			
Trichloroethene	49.6			ug/L	50.0	<	99.2	80-120			
Vinyl chloride	47.5			ug/L	50.0	<	95.1	74.8-130			
Surrogate: 4-Bromofluorobenzene	46.9			ug/L	50.0		93.8	80-124			
Surrogate: Dibromofluoromethane	46.7			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	45.7			ug/L	50.0		91.4	78.1-125			

Matrix Spike Dup (B1G0502-MSD1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	49.6			ug/L	50.0	<	99.1	75-125	4.41	20	
1,1-Dichloroethane	43.4			ug/L	50.0	<	86.8	78.7-123	1.14	20	
1,1-Dichloroethene	43.6			ug/L	50.0	<	87.2	75.8-121	2.02	20	
1,3,5-Trimethylbenzene	50.3			ug/L	50.0	<	101	75-120	2.04	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102929 Date Reported: 07/14/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0502 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1G0502-MSD1)			Source: 1102929-01			Prepared & Analyzed: 07/05/11					
1,4-Dichlorobenzene	52.5			ug/L	50.0	<	105	75-125	0.519	20	
2-Chlorotoluene	50.7			ug/L	50.0	<	101	75-120	4.18	20	
Benzene	47.7			ug/L	50.0	<	95.5	80-120	0.435	20	
Bromoform	49.1			ug/L	50.0	<	98.2	80-120	0.852	20	
Chlorobenzene	50.7			ug/L	50.0	<	101	80-120	1.83	20	
Chloroform	45.5			ug/L	50.0	<	90.9	80-120	0.918	20	
Ethylbenzene	50.8			ug/L	50.0	<	102	80-120	0.427	20	
n-Butylbenzene	49.2			ug/L	50.0	<	98.5	73.8-125	4.25	20	
n-Propylbenzene	50.7			ug/L	50.0	<	101	75-120	3.89	20	
Toluene	47.9			ug/L	50.0	<	95.8	80-120	1.73	20	
Trichloroethene	48.9			ug/L	50.0	<	97.9	80-120	1.28	20	
Vinyl chloride	47.5			ug/L	50.0	<	94.9	74.8-130	0.181	20	
Surrogate: 4-Bromofluorobenzene	47.1			ug/L	50.0		94.3	80-124			
Surrogate: Dibromofluoromethane	47.3			ug/L	50.0		94.5	77.1-123			
Surrogate: Toluene-d8	46.4			ug/L	50.0		92.8	78.1-125			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1102929
Date Reported: 07/14/11

Notes and Definitions

< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

1102929

Project Number: B319-1092 488E 810
Project Name: Univ REE - ABC Line
Sample Origination State: MN (use two letter postal state abbreviation)
COC Number: Nº 33970

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	Number of Containers/Preservative														
						Water	Soil		Water					Soil									
1. 713A-5B1	12	12	12 FT	6/28/2011	14:00	X	X	QC	VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	
2. 716A-5B1	16	16	16 FT	↓	15:00	X	X	Comp.	VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	
3.								Grab															
4.								Grab															
5.								Grab															
6.								Grab															
7.								Grab															
8.								Grab															
9.								Grab															
10.								Grab															

Project Manager: JME
Project OC Contact: AAJ
Sampled by: ADN
Laboratory: Legend

Handwritten notes: Amper for BTEX metals, SVOCs, VOCs

Received by: Braham Date: 6/29/11 Time: 10:30

Relinquished By: Not Sampled Date: 6/29/11 Time: 08:00

On Ice? N Y

Samples Shipped Via: Air Freight Federal Express Sampler

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Handwritten notes: 3.5% RR custody seals

H:\RLG\STDFORMS\Chain Of Custody Form 2009 RLG Rev. 09/01/09



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 14, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102930
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/29/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG-TT1_0.5-0.5	1102930-01	Soil	06/28/11 08:30	06/29/11 10:30
BG-TT2_0.5-0.5	1102930-02	Soil	06/28/11 09:00	06/29/11 10:30
BG-TT3_0.5-0.5	1102930-03	Soil	06/28/11 09:30	06/29/11 10:30
BSD-TT10_0.5-0.5	1102930-04	Soil	06/28/11 15:00	06/29/11 10:30
BSD-TT14_4-4	1102930-05	Soil	06/28/11 15:30	06/29/11 10:30
BSD-TT11_3-3	1102930-06	Soil	06/28/11 14:00	06/29/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 4.0

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-TT1_0.5-0.5 (1102930-01) Soil Sampled: 06/28/11 08:30 Received: 06/29/11 10:30										
Arsenic	5.3	0.62	0.068	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	130	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	18	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	20	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
BG-TT2_0.5-0.5 (1102930-02) Soil Sampled: 06/28/11 09:00 Received: 06/29/11 10:30										
Arsenic	5.7	0.61	0.067	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	79	1.2	0.073	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	17	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	18	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	
BG-TT3_0.5-0.5 (1102930-03) Soil Sampled: 06/28/11 09:30 Received: 06/29/11 10:30										
Arsenic	7.0	0.60	0.066	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	110	1.2	0.072	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	18	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	86	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
BSD-TT10_0.5-0.5 (1102930-04) Soil Sampled: 06/28/11 15:00 Received: 06/29/11 10:30										
Arsenic	5.6	0.57	0.063	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	83	1.1	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	14	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
BSD-TT14_4-4 (1102930-05) Soil Sampled: 06/28/11 15:30 Received: 06/29/11 10:30										
Arsenic	2.3	0.52	0.057	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT14_4-4 (1102930-05) Soil Sampled: 06/28/11 15:30 Received: 06/29/11 10:30										
Barium	32	1.0	0.062	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	9.8	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	360	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
BSD-TT11_3-3 (1102930-06) Soil Sampled: 06/28/11 14:00 Received: 06/29/11 10:30										
Arsenic	4.3	0.62	0.068	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	160	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	17	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	7.8	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-TT1_0.5-0.5 (1102930-01) Soil Sampled: 06/28/11 08:30 Received: 06/29/11 10:30										
% Solids	81			%	1	B1G0621	07/06/11	07/06/11	% calculation	
BG-TT2_0.5-0.5 (1102930-02) Soil Sampled: 06/28/11 09:00 Received: 06/29/11 10:30										
% Solids	82			%	1	B1G0621	07/06/11	07/06/11	% calculation	
BG-TT3_0.5-0.5 (1102930-03) Soil Sampled: 06/28/11 09:30 Received: 06/29/11 10:30										
% Solids	83			%	1	B1G0621	07/06/11	07/06/11	% calculation	
BSD-TT10_0.5-0.5 (1102930-04) Soil Sampled: 06/28/11 15:00 Received: 06/29/11 10:30										
% Solids	87			%	1	B1G0621	07/06/11	07/06/11	% calculation	
BSD-TT14_4-4 (1102930-05) Soil Sampled: 06/28/11 15:30 Received: 06/29/11 10:30										
% Solids	96			%	1	B1G0621	07/06/11	07/06/11	% calculation	
BSD-TT11_3-3 (1102930-06) Soil Sampled: 06/28/11 14:00 Received: 06/29/11 10:30										
% Solids	81			%	1	B1G0621	07/06/11	07/06/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-TT1_0.5-0.5 (1102930-01) Soil Sampled: 06/28/11 08:30 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1G1101	07/11/11	07/11/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-TT1_0.5-0.5 (1102930-01) Soil Sampled: 06/28/11 08:30 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.059	0.41	0.059	mg/kg dry	1	B1G1101	07/11/11	07/11/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	0.058	0.41	0.054	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	80.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	93.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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BG-TT2_0.5-0.5 (1102930-02) Soil Sampled: 06/28/11 09:00 Received: 06/29/11 10:30

1,2,4-Trichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	B1G1101	07/11/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.82	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.091	0.82	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	0.061	0.40	0.043	mg/kg dry	1	"	"	"	"	J
2,6-Dichlorophenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.073	0.82	0.073	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	2.0	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.82	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.82	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.82	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-TT2_0.5-0.5 (1102930-02) Soil Sampled: 06/28/11 09:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.059	0.40	0.059	mg/kg dry	1	B1G1101	07/11/11	07/13/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.12	0.40	0.054	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
Pyrene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	96.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	93.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	85.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	85.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	88.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	94.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-TT3_0.5-0.5 (1102930-03) Soil Sampled: 06/28/11 09:30 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	B1G1101	07/11/11	07/11/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.81	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.090	0.81	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.047	0.40	0.047	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.072	0.81	0.072	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.81	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.81	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.81	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.81	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-TT3_0.5-0.5 (1102930-03) Soil Sampled: 06/28/11 09:30 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.058	0.40	0.058	mg/kg dry	1	B1G1101	07/11/11	07/11/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.053	0.40	0.053	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.053	0.40	0.053	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.047	0.40	0.047	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.40	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	80.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	75.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	80.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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BSD-TT10_0.5-0.5 (1102930-04) Soil Sampled: 06/28/11 15:00 Received: 06/29/11 10:30

1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G1101	07/11/11	07/11/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT10_0.5-0.5 (1102930-04) Soil Sampled: 06/28/11 15:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G1101	07/11/11	07/11/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.046	0.38	0.046	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	81.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT14_4-4 (1102930-05) Soil Sampled: 06/28/11 15:30 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT14_4-4 (1102930-05) Soil Sampled: 06/28/11 15:30 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	86.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	70.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	93.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT11_3-3 (1102930-06) Soil Sampled: 06/28/11 14:00 Received: 06/29/11 10:30										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT11_3-3 (1102930-06) Soil Sampled: 06/28/11 14:00 Received: 06/29/11 10:30										
Benzo(k)fluoranthene	<0.059	0.41	0.059	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	61.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	54.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	50.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	56.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	52.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0711 - EPA 7471A											
Blank (B1G0711-BLK1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0711-BS1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.186	0.10	0.019	mg/kg wet	0.200		93.0	80-120			
LCS Dup (B1G0711-BSD1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.187	0.10	0.019	mg/kg wet	0.200		93.5	80-120	0.536	20	
Matrix Spike (B1G0711-MS1)						Source: 1102930-01 Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.279	0.12	0.023	mg/kg dry	0.241	<0.12	102	75-125			
Matrix Spike Dup (B1G0711-MSD1)						Source: 1102930-01 Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.253	0.12	0.023	mg/kg dry	0.236	<0.12	93.3	75-125	9.69	20	
Batch B1G0713 - EPA 3050B											
Blank (B1G0713-BLK1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0713-BS1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.1	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	40.9	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.09	0.25	0.016	mg/kg wet	3.99		102	80-120			
LCS Dup (B1G0713-BSD1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	40.4	0.50	0.055	mg/kg wet	39.9		101	80-120	0.245	20	
Barium	41.9	1.0	0.060	mg/kg wet	39.9		105	80-120	0.393	20	
Cadmium	40.7	0.25	0.033	mg/kg wet	39.9		102	80-120	0.817	20	
Chromium	41.3	0.50	0.012	mg/kg wet	39.9		104	80-120	0.692	20	
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120	0.639	20	
Selenium	40.6	1.0	0.095	mg/kg wet	39.9		102	80-120	0.597	20	
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120	0.601	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0713 - EPA 3050B											
Matrix Spike (B1G0713-MS1)			Source: 1102925-01			Prepared: 07/07/11		Analyzed: 07/11/11			
Arsenic	42.3	0.52	0.057	mg/kg dry	39.4	1.54	103	75-125			
Barium	58.7	1.0	0.062	mg/kg dry	39.4	17.7	104	75-125			
Cadmium	41.2	0.26	0.034	mg/kg dry	39.4	<0.26	104	75-125			
Chromium	45.1	0.52	0.012	mg/kg dry	39.4	5.16	101	75-125			
Lead	39.5	1.0	0.14	mg/kg dry	39.4	1.25	97.1	75-125			
Selenium	40.5	1.0	0.098	mg/kg dry	39.4	<1.0	103	75-125			
Silver	4.02	0.26	0.016	mg/kg dry	3.94	<0.26	102	75-125			
Matrix Spike Dup (B1G0713-MSD1)											
Matrix Spike Dup (B1G0713-MSD1)			Source: 1102925-01			Prepared: 07/07/11		Analyzed: 07/11/11			
Arsenic	40.8	0.49	0.054	mg/kg dry	38.8	1.54	101	75-125	3.72	20	
Barium	59.3	0.97	0.058	mg/kg dry	38.8	17.7	107	75-125	0.951	20	
Cadmium	39.9	0.24	0.032	mg/kg dry	38.8	<0.24	103	75-125	3.22	20	
Chromium	43.8	0.49	0.012	mg/kg dry	38.8	5.16	99.4	75-125	3.06	20	
Lead	38.8	0.97	0.14	mg/kg dry	38.8	1.25	96.6	75-125	1.92	20	
Selenium	39.6	0.97	0.092	mg/kg dry	38.8	<0.97	102	75-125	2.24	20	
Silver	3.88	0.24	0.016	mg/kg dry	3.88	<0.24	99.8	75-125	3.73	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0621 - General Preparation											
Duplicate (B1G0621-DUP1)											
% Solids	91.0			%		88.0			3.35	20	
Duplicate (B1G0621-DUP2)											
% Solids	81.0			%		81.0			0.00	20	
Duplicate (B1G0621-DUP3)											
% Solids	97.0			%		98.0			1.03	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Blank (B1G1101-BLK1)

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Blank (B1G1101-BLK1)

Prepared & Analyzed: 07/11/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.40			mg/kg wet	6.67		66.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.09			mg/kg wet	6.67		61.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.78			mg/kg wet	6.67		56.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.99			mg/kg wet	6.67		59.8	48.9-100			
Surrogate: Phenol-d6	4.07			mg/kg wet	6.67		61.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.46			mg/kg wet	6.67		81.8	51-99.6			

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

LCS (B1G1101-BS1)

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.75	0.33	0.031	mg/kg wet	6.67		71.2	59.1-87.7			
1,4-Dichlorobenzene	4.75	0.33	0.029	mg/kg wet	6.67		71.3	50.3-72.9			
2,4-Dinitrotoluene	5.46	0.33	0.035	mg/kg wet	6.67		81.9	59.8-82.2			
2-Chlorophenol	4.91	0.67	0.060	mg/kg wet	6.67		73.7	59.7-77.3			
4-Chloro-3-methylphenol	5.13	0.67	0.066	mg/kg wet	6.67		76.9	63.6-80.4			
4-Nitrophenol	5.23	0.67	0.093	mg/kg wet	6.67		78.5	57.3-84.9			
Anthracene	5.80	0.33	0.036	mg/kg wet	6.67		87.0	67.3-88			
Benzo(a)anthracene	5.83	0.33	0.041	mg/kg wet	6.67		87.4	66.5-90.5			
Benzo(a)pyrene	5.91	0.33	0.042	mg/kg wet	6.67		88.7	66.1-89.7			
Chrysene	5.82	0.33	0.044	mg/kg wet	6.67		87.3	65.5-90.5			
Fluoranthene	5.79	0.33	0.039	mg/kg wet	6.67		86.8	66.7-89.9			
Fluorene	5.56	0.33	0.035	mg/kg wet	6.67		83.4	66.2-85.6			
N-Nitrosodi-n-propylamine	5.15	0.33	0.033	mg/kg wet	6.67		77.3	59.4-78			
Pentachlorophenol	4.19	0.67	0.078	mg/kg wet	6.67		62.9	46.7-83.2			
Phenanthrene	5.78	0.33	0.036	mg/kg wet	6.67		86.7	67.5-87.9			
Phenol	5.00	0.67	0.069	mg/kg wet	6.67		75.1	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	5.03			mg/kg wet	6.67		75.4	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	5.15			mg/kg wet	6.67		77.2	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.84			mg/kg wet	6.67		72.6	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.97			mg/kg wet	6.67		74.6	48.9-100			
<i>Surrogate: Phenol-d6</i>	5.15			mg/kg wet	6.67		77.3	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	5.33			mg/kg wet	6.67		79.9	51-99.6			

Matrix Spike (B1G1101-MS1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.85	0.37	0.034	mg/kg dry	7.45	<0.37	65.1	44.8-97.9			
1,4-Dichlorobenzene	4.88	0.37	0.032	mg/kg dry	7.45	<0.37	65.5	42.3-77.9			
2,4-Dinitrotoluene	5.58	0.37	0.039	mg/kg dry	7.45	<0.37	74.9	57.3-86.6			
2-Chlorophenol	4.98	0.74	0.067	mg/kg dry	7.45	<0.74	66.8	43.3-93.2			
4-Chloro-3-methylphenol	5.30	0.74	0.073	mg/kg dry	7.45	<0.74	71.2	47.1-97.6			
4-Nitrophenol	5.53	0.74	0.10	mg/kg dry	7.45	<0.74	74.3	49.3-96.2			
Anthracene	5.97	0.37	0.040	mg/kg dry	7.45	<0.37	80.2	67.5-93.1			
Benzo(a)anthracene	6.04	0.37	0.046	mg/kg dry	7.45	<0.37	81.1	59.8-95.7			
Benzo(a)pyrene	6.12	0.37	0.047	mg/kg dry	7.45	<0.37	82.1	59.8-92.7			
Chrysene	6.05	0.37	0.049	mg/kg dry	7.45	<0.37	81.3	62.5-94.6			
Fluoranthene	5.98	0.37	0.043	mg/kg dry	7.45	<0.37	80.3	61.3-92.8			
Fluorene	5.66	0.37	0.039	mg/kg dry	7.45	<0.37	76.1	62.8-92.6			
N-Nitrosodi-n-propylamine	5.17	0.37	0.037	mg/kg dry	7.45	<0.37	69.5	46.9-89.9			
Pentachlorophenol	4.74	0.74	0.087	mg/kg dry	7.45	<0.74	63.7	40.1-95.1			
Phenanthrene	5.96	0.37	0.040	mg/kg dry	7.45	<0.37	80.0	65.2-92.2			
Phenol	5.09	0.74	0.077	mg/kg dry	7.45	<0.74	68.3	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102930 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Matrix Spike (B1G1101-MS1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

Surrogate: 2,4,6-Tribromophenol	5.21			mg/kg dry	7.45		69.9	53-107			
Surrogate: 2-Fluorobiphenyl	5.23			mg/kg dry	7.45		70.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.97			mg/kg dry	7.45		66.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.19			mg/kg dry	7.45		69.7	48.9-100			
Surrogate: Phenol-d6	5.31			mg/kg dry	7.45		71.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.48			mg/kg dry	7.45		73.6	51-99.6			

Matrix Spike Dup (B1G1101-MSD1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	5.28	0.37	0.034	mg/kg dry	7.45	<0.37	70.9	44.8-97.9	8.53	19.6	
1,4-Dichlorobenzene	5.13	0.37	0.032	mg/kg dry	7.45	<0.37	68.9	42.3-77.9	5.07	22.4	
2,4-Dinitrotoluene	6.08	0.37	0.039	mg/kg dry	7.45	<0.37	81.6	57.3-86.6	8.60	19.5	
2-Chlorophenol	5.43	0.74	0.067	mg/kg dry	7.45	<0.74	72.8	43.3-93.2	8.63	23.7	
4-Chloro-3-methylphenol	5.76	0.74	0.073	mg/kg dry	7.45	<0.74	77.2	47.1-97.6	8.17	18.3	
4-Nitrophenol	6.05	0.74	0.10	mg/kg dry	7.45	<0.74	81.2	49.3-96.2	8.94	20.4	
Anthracene	6.44	0.37	0.040	mg/kg dry	7.45	<0.37	86.4	67.5-93.1	7.55	19.9	
Benzo(a)anthracene	6.46	0.37	0.046	mg/kg dry	7.45	<0.37	86.6	59.8-95.7	6.67	23.4	
Benzo(a)pyrene	6.64	0.37	0.047	mg/kg dry	7.45	<0.37	89.1	59.8-92.7	8.17	21.1	
Chrysene	6.52	0.37	0.049	mg/kg dry	7.45	<0.37	87.5	62.5-94.6	7.47	24.8	
Fluoranthene	6.45	0.37	0.043	mg/kg dry	7.45	<0.37	86.5	61.3-92.8	7.54	21.8	
Fluorene	6.21	0.37	0.039	mg/kg dry	7.45	<0.37	83.4	62.8-92.6	9.23	17.6	
N-Nitrosodi-n-propylamine	5.67	0.37	0.037	mg/kg dry	7.45	<0.37	76.1	46.9-89.9	9.20	18.9	
Pentachlorophenol	5.17	0.74	0.087	mg/kg dry	7.45	<0.74	69.3	40.1-95.1	8.60	19.7	
Phenanthrene	6.37	0.37	0.040	mg/kg dry	7.45	<0.37	85.5	65.2-92.2	6.65	20.5	
Phenol	5.54	0.74	0.077	mg/kg dry	7.45	<0.74	74.4	44.7-91	8.50	17.9	
Surrogate: 2,4,6-Tribromophenol	5.73			mg/kg dry	7.45		76.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.75			mg/kg dry	7.45		77.2	53.9-97.9			
Surrogate: 2-Fluorophenol	5.30			mg/kg dry	7.45		71.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.49			mg/kg dry	7.45		73.7	48.9-100			
Surrogate: Phenol-d6	5.64			mg/kg dry	7.45		75.6	50.4-99.6			
Surrogate: Terphenyl-d14	5.82			mg/kg dry	7.45		78.1	51-99.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1102930
Date Reported: 07/14/11

Notes and Definitions

J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

1102930

Project Number: 23/19-1092.00 48RI 810

Project Name: UMore East-Navy/BG

Sample Origination State MN (use two letter postal state abbreviation)

COC Number: NO 34318

Location	Start Depth	Stop Depth	Depth Unit (m/ft or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		VOCs (HCl) #2	VOCs (unpreserved) #3	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	Number of Containers/Preservative						COC	of							
						Water	Soil								VOCs (tared MeOH) #1	GRO, BTX (tared MeOH) #1	DRG (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)			Total Number Of Containers						
1. BG-TT1	0.5	0.5	ft	06/29/24	0830	Y	Y									X	X	X	X	X	X	X	X	3	3	ANALYST SVOCs + PLUM METALS	JME	2	
2. BG-TT2					0800	X	X									X	X	X	X	X	X	X	X	X	3	3			
3. BG-TT3					0930	X	X									X	X	X	X	X	X	X	X	X	3	3			
4. BSD-TT10	0.5	0.5			1500	X	X									X	X	X	X	X	X	X	X	X	3	3			
5. BSD-TT14	4	4			1530	X	X									X	X	X	X	X	X	X	X	X	3	3			
6. BSD-TT11	3	3	v		1400	X	X									X	X	X	X	X	X	X	X	X	3	3			
7.																													
8.																													
9.																													
10.																													

Relinquished By: Kristi Shipke Date: 06/29/24 Time: 0600

Received By: [Signature] Date: 6/29/24 Time: 10:30

Relinquished By: _____ Date: _____ Time: _____

Received By: _____ Date: _____ Time: _____

Samples Shipped VIA: Air Freight Federal Express Sampler: _____

Other: _____

Air Bill Number: _____

Distribution: White-Original Accompanies Statement to Lab; Yellow - Field Copy; Pink - Lab Coordinator

40: RR underdog

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, B260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, B270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102932
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/24/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "Bach Pham".

Bach Pham
Report Reviewer
bpham@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
237G-TT1_0.5-0.5	1102932-01	Soil	06/23/11 16:00	06/24/11 16:10
237G-TT1_1-1	1102932-02	Soil	06/23/11 16:05	06/24/11 16:10
FB-2	1102932-03	Water	06/23/11 00:00	06/24/11 16:10

Shipping Container Information

Default Cooler Temperature (°C): 5.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint, ethylene glycol, propylene glycol, and the 8330 analysis.

Recovery for the 8270 surrogate nitrobenzene-d5 was below laboratory limits in sample FB-2.

Recoveries for 8270 matrix spike compounds anthracene in the batch B1G0503 MS and fluorene in the MS/MSD were below laboratory limits. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS.

Recovery for the 8270 surrogate 2-fluorobiphenyl in the batch B1G0503 MS/MSD was below laboratory limits.

Recoveries for tetryl in the 8330 MS/MSD samples were below the laboratory control limits. The LCS sample was within limits. The MS/MSD source sample was not associated with this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237G-TT1_0.5-0.5 (1102932-01) Soil Sampled: 06/23/11 16:00 Received: 06/24/11 16:10										
Arsenic	3.6	0.55	0.060	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	84	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	0.28	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	15	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	34	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
237G-TT1_1-1 (1102932-02) Soil Sampled: 06/23/11 16:05 Received: 06/24/11 16:10										
Arsenic	3.1	0.55	0.060	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	88	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	0.30	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	15	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	61	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0710	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
FB-2 (1102932-03) Water Sampled: 06/23/11 00:00 Received: 06/24/11 16:10										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G0629	07/06/11	07/07/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237G-TT1_0.5-0.5 (1102932-01) Soil Sampled: 06/23/11 16:00 Received: 06/24/11 16:10										
% Solids	85			%	1	B1G0508	07/05/11	07/05/11	% calculation	
237G-TT1_1-1 (1102932-02) Soil Sampled: 06/23/11 16:05 Received: 06/24/11 16:10										
% Solids	86			%	1	B1G0508	07/05/11	07/05/11	% calculation	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102932
 Date Reported: 07/19/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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237G-TT1_0.5-0.5 (1102932-01) Soil Sampled: 06/23/11 16:00 Received: 06/24/11 16:10

1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237G-TT1_0.5-0.5 (1102932-01) Soil Sampled: 06/23/11 16:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	74.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	74.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237G-TT1_1-1 (1102932-02) Soil										D1, R-09
Sampled: 06/23/11 16:05										
Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.094	1.0	0.094	mg/kg dry	2	B1G0503	07/05/11	07/08/11	EPA 8270C	
1,2-Dichlorobenzene	<0.10	1.0	0.10	mg/kg dry	2	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.11	1.0	0.11	mg/kg dry	2	"	"	"	"	
1,3-Dichlorobenzene	<0.094	1.0	0.094	mg/kg dry	2	"	"	"	"	
1,4-Dichlorobenzene	<0.088	1.0	0.088	mg/kg dry	2	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.24	2.0	0.24	mg/kg dry	2	"	"	"	"	
2,4,5-Trichlorophenol	<0.11	2.0	0.11	mg/kg dry	2	"	"	"	"	
2,4,6-Trichlorophenol	<0.24	2.0	0.24	mg/kg dry	2	"	"	"	"	
2,4-Dichlorophenol	<0.23	2.0	0.23	mg/kg dry	2	"	"	"	"	
2,4-Dimethylphenol	<0.24	2.0	0.24	mg/kg dry	2	"	"	"	"	
2,4-Dinitrophenol	<0.097	2.0	0.097	mg/kg dry	2	"	"	"	"	
2,4-Dinitrotoluene	<0.11	1.0	0.11	mg/kg dry	2	"	"	"	"	
2,6-Dichlorophenol	<0.21	2.0	0.21	mg/kg dry	2	"	"	"	"	
2,6-Dinitrotoluene	<0.12	1.0	0.12	mg/kg dry	2	"	"	"	"	
2-Chloronaphthalene	<0.10	1.0	0.10	mg/kg dry	2	"	"	"	"	
2-Chlorophenol	<0.18	2.0	0.18	mg/kg dry	2	"	"	"	"	
2-Methylnaphthalene	<0.11	1.0	0.11	mg/kg dry	2	"	"	"	"	
2-Methylphenol	<0.10	2.0	0.10	mg/kg dry	2	"	"	"	"	
2-Nitroaniline	<0.12	1.0	0.12	mg/kg dry	2	"	"	"	"	
2-Nitrophenol	<0.26	2.0	0.26	mg/kg dry	2	"	"	"	"	
3&4-Methylphenol	<0.097	2.0	0.097	mg/kg dry	2	"	"	"	"	
3,3'-Dichlorobenzidine	<0.45	4.8	0.45	mg/kg dry	2	"	"	"	"	
3-Nitroaniline	<0.082	1.0	0.082	mg/kg dry	2	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.10	2.0	0.10	mg/kg dry	2	"	"	"	"	
4-Bromophenyl phenyl ether	<0.10	1.0	0.10	mg/kg dry	2	"	"	"	"	
4-Chloro-3-methylphenol	<0.20	2.0	0.20	mg/kg dry	2	"	"	"	"	
4-Chloroaniline	<0.082	2.0	0.082	mg/kg dry	2	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.11	1.0	0.11	mg/kg dry	2	"	"	"	"	
4-Nitroaniline	<0.10	1.0	0.10	mg/kg dry	2	"	"	"	"	
4-Nitrophenol	<0.28	2.0	0.28	mg/kg dry	2	"	"	"	"	
Acenaphthene	<0.12	1.0	0.12	mg/kg dry	2	"	"	"	"	
Acenaphthylene	<0.12	1.0	0.12	mg/kg dry	2	"	"	"	"	
Aniline	<0.094	2.0	0.094	mg/kg dry	2	"	"	"	"	
Anthracene	<0.11	1.0	0.11	mg/kg dry	2	"	"	"	"	
Benzidine	<0.58	7.6	0.58	mg/kg dry	2	"	"	"	"	
Benzo(a)anthracene	<0.12	1.0	0.12	mg/kg dry	2	"	"	"	"	
Benzo(a)pyrene	<0.13	1.0	0.13	mg/kg dry	2	"	"	"	"	
Benzo(b)fluoranthene	<0.13	1.0	0.13	mg/kg dry	2	"	"	"	"	
Benzo(g,h,i)perylene	0.13	1.0	0.13	mg/kg dry	2	"	"	"	"	J

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237G-TT1_1-1 (1102932-02) Soil										D1, R-09
Sampled: 06/23/11 16:05										
Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.15	1.0	0.15	mg/kg dry	2	B1G0503	07/05/11	07/08/11	EPA 8270C	
Benzoic acid	<0.073	1.0	0.073	mg/kg dry	2	"	"	"	"	
Benzyl alcohol	<0.29	2.0	0.29	mg/kg dry	2	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.10	1.0	0.10	mg/kg dry	2	"	"	"	"	
Bis(2-chloroethyl)ether	<0.11	1.0	0.11	mg/kg dry	2	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.10	1.0	0.10	mg/kg dry	2	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.15	1.0	0.15	mg/kg dry	2	"	"	"	"	
Butyl benzyl phthalate	<0.13	1.0	0.13	mg/kg dry	2	"	"	"	"	
Carbazole	<0.11	1.0	0.11	mg/kg dry	2	"	"	"	"	
Chrysene	<0.13	1.0	0.13	mg/kg dry	2	"	"	"	"	
Dibenz(a,h)anthracene	<0.13	1.0	0.13	mg/kg dry	2	"	"	"	"	
Dibenzofuran	<0.10	1.0	0.10	mg/kg dry	2	"	"	"	"	
Diethyl phthalate	<0.094	1.0	0.094	mg/kg dry	2	"	"	"	"	
Dimethyl phthalate	<0.091	1.0	0.091	mg/kg dry	2	"	"	"	"	
Di-n-butyl phthalate	<0.13	1.0	0.13	mg/kg dry	2	"	"	"	"	
Di-n-octyl phthalate	<0.15	1.0	0.15	mg/kg dry	2	"	"	"	"	
Fluoranthene	<0.12	1.0	0.12	mg/kg dry	2	"	"	"	"	
Fluorene	<0.11	1.0	0.11	mg/kg dry	2	"	"	"	"	
Hexachlorobenzene	<0.11	1.0	0.11	mg/kg dry	2	"	"	"	"	
Hexachlorobutadiene	<0.091	1.0	0.091	mg/kg dry	2	"	"	"	"	
Hexachlorocyclopentadiene	<0.073	1.0	0.073	mg/kg dry	2	"	"	"	"	
Hexachloroethane	<0.091	1.0	0.091	mg/kg dry	2	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.12	1.0	0.12	mg/kg dry	2	"	"	"	"	
Isophorone	<0.094	1.0	0.094	mg/kg dry	2	"	"	"	"	
Naphthalene	<0.10	1.0	0.10	mg/kg dry	2	"	"	"	"	
Nitrobenzene	<0.10	1.0	0.10	mg/kg dry	2	"	"	"	"	
N-Nitrosodimethylamine	<0.067	1.0	0.067	mg/kg dry	2	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.10	1.0	0.10	mg/kg dry	2	"	"	"	"	
N-Nitrosodiphenylamine	<0.079	1.0	0.079	mg/kg dry	2	"	"	"	"	
Pentachlorophenol	<0.24	2.0	0.24	mg/kg dry	2	"	"	"	"	
Phenanthrene	<0.11	1.0	0.11	mg/kg dry	2	"	"	"	"	
Phenol	<0.21	2.0	0.21	mg/kg dry	2	"	"	"	"	
Pyrene	<0.12	1.0	0.12	mg/kg dry	2	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	62.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	59.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	61.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	65.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.4			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-2 (1102932-03) Water Sampled: 06/23/11 00:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1F2907	06/29/11	06/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-2 (1102932-03) Water Sampled: 06/23/11 00:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1F2907	06/29/11	06/29/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	0.49	9.3	0.28	ug/L	1	"	"	"	"	J
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	47.9			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	46.5			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	42.6			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	47.0			51.2-103 %		"	"	"	"	S-GC
Surrogate: Phenol-d6	40.9			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	61.0			30-116 %		"	"	"	"	

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EXPLOSIVES 8330
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237G-TT1_0.5-0.5 (1102932-01) Soil Sampled: 06/23/11 16:00 Received: 06/24/11 16:10										
1,3,5-Trinitrobenzene	<0.051	1.2	0.051	mg/kg dry	1	B1G0515	07/05/11	07/13/11	EPA 8330 (M)	
1,3-Dinitrobenzene	<0.055	1.2	0.055	mg/kg dry	1	"	"	"	"	
2,4,6-Trinitrotoluene	<0.15	1.2	0.15	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.046	1.2	0.046	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.10	1.2	0.10	mg/kg dry	1	"	"	"	"	
2-Amino-4,6-Dinitrotoluene	<0.085	1.2	0.085	mg/kg dry	1	"	"	"	"	
2-Nitrotoluene	<0.19	1.2	0.19	mg/kg dry	1	"	"	"	"	
3-Nitrotoluene	<0.28	1.2	0.28	mg/kg dry	1	"	"	"	"	
4-Amino-2,6-Dinitrotoluene	<0.088	1.2	0.088	mg/kg dry	1	"	"	"	"	
4-Nitrotoluene	<0.27	1.2	0.27	mg/kg dry	1	"	"	"	"	
HMX	<0.13	1.2	0.13	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.078	1.2	0.078	mg/kg dry	1	"	"	"	"	
RDX	<0.092	1.2	0.092	mg/kg dry	1	"	"	"	"	
Tetryl	<0.20	1.2	0.20	mg/kg dry	1	"	"	"	"	
Surrogate: 1,2-Dinitrobenzene	92.5			70-130 %		"	"	"	"	
237G-TT1_1-1 (1102932-02) Soil Sampled: 06/23/11 16:05 Received: 06/24/11 16:10										
1,3,5-Trinitrobenzene	<0.050	1.2	0.050	mg/kg dry	1	B1G0515	07/05/11	07/13/11	EPA 8330 (M)	
1,3-Dinitrobenzene	<0.055	1.2	0.055	mg/kg dry	1	"	"	"	"	
2,4,6-Trinitrotoluene	<0.15	1.2	0.15	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.045	1.2	0.045	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.10	1.2	0.10	mg/kg dry	1	"	"	"	"	
2-Amino-4,6-Dinitrotoluene	<0.084	1.2	0.084	mg/kg dry	1	"	"	"	"	
2-Nitrotoluene	<0.19	1.2	0.19	mg/kg dry	1	"	"	"	"	
3-Nitrotoluene	<0.28	1.2	0.28	mg/kg dry	1	"	"	"	"	
4-Amino-2,6-Dinitrotoluene	<0.087	1.2	0.087	mg/kg dry	1	"	"	"	"	
4-Nitrotoluene	<0.27	1.2	0.27	mg/kg dry	1	"	"	"	"	
HMX	<0.13	1.2	0.13	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.077	1.2	0.077	mg/kg dry	1	"	"	"	"	
RDX	<0.091	1.2	0.091	mg/kg dry	1	"	"	"	"	
Tetryl	<0.20	1.2	0.20	mg/kg dry	1	"	"	"	"	
Surrogate: 1,2-Dinitrobenzene	94.0			70-130 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237G-TT1_0.5-0.5 (1102932-01) Soil Sampled: 06/23/11 16:00 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1G0612	07/06/11	07/06/11	EPA 1010A/ASTM D93(M)	
237G-TT1_1-1 (1102932-02) Soil Sampled: 06/23/11 16:05 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1G0612	07/06/11	07/06/11	EPA 1010A/ASTM D93(M)	
FB-2 (1102932-03) Water Sampled: 06/23/11 00:00 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1G0612	07/06/11	07/06/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0602 - EPA 200.7/3005A Digestion

Blank (B1G0602-BLK1)

Prepared & Analyzed: 07/06/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1G0602-BS1)

Prepared & Analyzed: 07/06/11

Arsenic	0.419	0.010	0.0011	mg/L	0.399		105	80-120			
Barium	0.412	0.020	0.0012	mg/L	0.399		103	80-120			
Cadmium	0.419	0.0010	0.00013	mg/L	0.399		105	80-120			
Chromium	0.426	0.010	0.00024	mg/L	0.399		107	80-120			
Lead	0.423	0.0030	0.00042	mg/L	0.399		106	80-120			
Selenium	0.413	0.020	0.0019	mg/L	0.399		104	80-120			
Silver	0.0437	0.0050	0.00031	mg/L	0.0399		109	80-120			

LCS Dup (B1G0602-BSD1)

Prepared & Analyzed: 07/06/11

Arsenic	0.411	0.010	0.0011	mg/L	0.399		103	80-120	1.83	20	
Barium	0.415	0.020	0.0012	mg/L	0.399		104	80-120	0.714	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399		103	80-120	1.38	20	
Chromium	0.419	0.010	0.00024	mg/L	0.399		105	80-120	1.65	20	
Lead	0.415	0.0030	0.00042	mg/L	0.399		104	80-120	1.84	20	
Selenium	0.408	0.020	0.0019	mg/L	0.399		102	80-120	1.16	20	
Silver	0.0425	0.0050	0.00031	mg/L	0.0399		107	80-120	2.70	20	

Matrix Spike (B1G0602-MS1)

Source: 1102988-04

Prepared & Analyzed: 07/06/11

Arsenic	0.417	0.010	0.0011	mg/L	0.399	<0.010	104	75-125			
Barium	0.416	0.020	0.0012	mg/L	0.399	<0.020	104	75-125			
Cadmium	0.415	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125			
Chromium	0.423	0.010	0.00024	mg/L	0.399	<0.010	106	75-125			
Lead	0.418	0.0030	0.00042	mg/L	0.399	<0.0030	105	75-125			
Selenium	0.409	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0429	0.0050	0.00031	mg/L	0.0399	<0.0050	107	75-125			

Matrix Spike Dup (B1G0602-MSD1)

Source: 1102988-04

Prepared & Analyzed: 07/06/11

Arsenic	0.413	0.010	0.0011	mg/L	0.399	<0.010	104	75-125	0.809	20	
Barium	0.414	0.020	0.0012	mg/L	0.399	<0.020	104	75-125	0.447	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125	0.273	20	
Chromium	0.421	0.010	0.00024	mg/L	0.399	<0.010	105	75-125	0.595	20	
Lead	0.416	0.0030	0.00042	mg/L	0.399	<0.0030	104	75-125	0.517	20	
Selenium	0.407	0.020	0.0019	mg/L	0.399	<0.020	101	75-125	0.541	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0602 - EPA 200.7/3005A Digestion											
Matrix Spike Dup (B1G0602-MSD1)			Source: 1102988-04			Prepared & Analyzed: 07/06/11					
Silver	0.0424	0.0050	0.00031	mg/L	0.0399	<0.0050	105	75-125	1.15	20	
Batch B1G0629 - EPA 245.1/7470A Digestion											
Blank (B1G0629-BLK1)			Prepared: 07/06/11 Analyzed: 07/07/11								
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1G0629-BS1)			Prepared: 07/06/11 Analyzed: 07/07/11								
Mercury	0.00201	0.00020	0.000037	mg/L	0.00200		100	80-120			
LCS Dup (B1G0629-BSD1)			Prepared: 07/06/11 Analyzed: 07/07/11								
Mercury	0.00176	0.00020	0.000037	mg/L	0.00200		88.0	80-120	13.3	20	
Matrix Spike (B1G0629-MS1)			Source: 1102809-01			Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.00217	0.00020	0.000037	mg/L	0.00200	0.000548	81.1	75-125			
Matrix Spike Dup (B1G0629-MSD1)			Source: 1102809-01			Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.00226	0.00020	0.000037	mg/L	0.00200	0.000548	85.6	75-125	4.06	20	
Batch B1G0710 - EPA 7471A											
Blank (B1G0710-BLK1)			Prepared: 07/07/11 Analyzed: 07/11/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0710-BS1)			Prepared: 07/07/11 Analyzed: 07/11/11								
Mercury	0.172	0.10	0.019	mg/kg wet	0.200		86.0	80-120			
LCS Dup (B1G0710-BSD1)			Prepared: 07/07/11 Analyzed: 07/11/11								
Mercury	0.183	0.10	0.019	mg/kg wet	0.200		91.5	80-120	6.20	20	
Matrix Spike (B1G0710-MS1)			Source: 1102920-01			Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.173	0.095	0.018	mg/kg dry	0.191	<0.095	91.0	75-125			
Matrix Spike Dup (B1G0710-MSD1)			Source: 1102920-01			Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.176	0.098	0.019	mg/kg dry	0.195	<0.098	90.0	75-125	1.17	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0713 - EPA 3050B

Blank (B1G0713-BLK1)

Prepared: 07/07/11 Analyzed: 07/11/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G0713-BS1)

Prepared: 07/07/11 Analyzed: 07/11/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.1	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	40.9	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.09	0.25	0.016	mg/kg wet	3.99		102	80-120			

LCS Dup (B1G0713-BSD1)

Prepared: 07/07/11 Analyzed: 07/11/11

Arsenic	40.4	0.50	0.055	mg/kg wet	39.9		101	80-120	0.245	20	
Barium	41.9	1.0	0.060	mg/kg wet	39.9		105	80-120	0.393	20	
Cadmium	40.7	0.25	0.033	mg/kg wet	39.9		102	80-120	0.817	20	
Chromium	41.3	0.50	0.012	mg/kg wet	39.9		104	80-120	0.692	20	
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120	0.639	20	
Selenium	40.6	1.0	0.095	mg/kg wet	39.9		102	80-120	0.597	20	
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120	0.601	20	

Matrix Spike (B1G0713-MS1)

Source: 1102925-01

Prepared: 07/07/11 Analyzed: 07/11/11

Arsenic	42.3	0.52	0.057	mg/kg dry	39.4	1.54	103	75-125			
Barium	58.7	1.0	0.062	mg/kg dry	39.4	17.7	104	75-125			
Cadmium	41.2	0.26	0.034	mg/kg dry	39.4	<0.26	104	75-125			
Chromium	45.1	0.52	0.012	mg/kg dry	39.4	5.16	101	75-125			
Lead	39.5	1.0	0.14	mg/kg dry	39.4	1.25	97.1	75-125			
Selenium	40.5	1.0	0.098	mg/kg dry	39.4	<1.0	103	75-125			
Silver	4.02	0.26	0.016	mg/kg dry	3.94	<0.26	102	75-125			

Matrix Spike Dup (B1G0713-MSD1)

Source: 1102925-01

Prepared: 07/07/11 Analyzed: 07/11/11

Arsenic	40.8	0.49	0.054	mg/kg dry	38.8	1.54	101	75-125	3.72	20	
Barium	59.3	0.97	0.058	mg/kg dry	38.8	17.7	107	75-125	0.951	20	
Cadmium	39.9	0.24	0.032	mg/kg dry	38.8	<0.24	103	75-125	3.22	20	
Chromium	43.8	0.49	0.012	mg/kg dry	38.8	5.16	99.4	75-125	3.06	20	
Lead	38.8	0.97	0.14	mg/kg dry	38.8	1.25	96.6	75-125	1.92	20	
Selenium	39.6	0.97	0.092	mg/kg dry	38.8	<0.97	102	75-125	2.24	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0713 - EPA 3050B											
Matrix Spike Dup (B1G0713-MSD1)											
	Source: 1102925-01					Prepared: 07/07/11		Analyzed: 07/11/11			
Silver	3.88	0.24	0.016	mg/kg dry	3.88	<0.24	99.8	75-125	3.73	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G0508 - General Preparation												
Duplicate (B1G0508-DUP1)							Source: 1102869-10					Prepared & Analyzed: 07/05/11
% Solids	97.0			%		97.0			0.00	20		
Duplicate (B1G0508-DUP2)							Source: 1102932-02					Prepared & Analyzed: 07/05/11
% Solids	88.0			%		86.0			2.30	20		
Duplicate (B1G0508-DUP3)							Source: 1102951-02					Prepared & Analyzed: 07/05/11
% Solids	78.0			%		79.0			1.27	20		
Duplicate (B1G0508-DUP4)							Source: 1102952-01					Prepared & Analyzed: 07/05/11
% Solids	89.0			%		88.0			1.13	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

Blank (B1F2907-BLK1)

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

Blank (B1F2907-BLK1)

Prepared & Analyzed: 06/29/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	78.8			ug/L	100		78.8	30-122			
Surrogate: 2-Fluorobiphenyl	77.5			ug/L	100		77.5	39.2-104			
Surrogate: 2-Fluorophenol	65.6			ug/L	100		65.6	30-80.1			
Surrogate: Nitrobenzene-d5	77.0			ug/L	100		77.0	51.2-103			
Surrogate: Phenol-d6	60.9			ug/L	100		60.9	30-75.3			
Surrogate: Terphenyl-d14	91.3			ug/L	100		91.3	30-116			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102932
 Date Reported: 07/19/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

LCS (B1F2907-BS1)

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	61.5	10	0.30	ug/L	100		61.5	47.4-88.7			
1,4-Dichlorobenzene	58.4	10	0.29	ug/L	100		58.4	39.5-81			
2,4-Dinitrotoluene	85.4	10	0.45	ug/L	100		85.4	67.2-99.3			
2-Chlorophenol	80.6	10	0.39	ug/L	100		80.6	56.5-85.9			
4-Chloro-3-methylphenol	88.2	10	0.48	ug/L	100		88.2	62.1-98.2			
4-Nitrophenol	83.0	10	0.78	ug/L	100		83.0	40.5-98.5			
Anthracene	89.2	10	0.56	ug/L	100		89.2	70.6-95.3			
Benzo(a)anthracene	86.4	10	0.50	ug/L	100		86.4	73.7-96.6			
Benzo(a)pyrene	87.6	10	0.41	ug/L	100		87.6	70.9-92.6			
Chrysene	87.8	10	0.61	ug/L	100		87.8	71.8-97.5			
Fluoranthene	88.2	10	0.61	ug/L	100		88.2	73.6-96.8			
Fluorene	83.9	10	0.52	ug/L	100		83.9	69.3-93.3			
N-Nitrosodi-n-propylamine	78.8	10	0.25	ug/L	100		78.8	65.9-89.3			
Pentachlorophenol	86.2	10	0.90	ug/L	100		86.2	55-107			
Phenanthrene	88.5	10	0.35	ug/L	100		88.5	72.5-97.6			
Phenol	65.6	10	0.41	ug/L	100		65.6	34.1-71.6			
Surrogate: 2,4,6-Tribromophenol	86.6			ug/L	100		86.6	30-122			
Surrogate: 2-Fluorobiphenyl	82.7			ug/L	100		82.7	39.2-104			
Surrogate: 2-Fluorophenol	71.0			ug/L	100		71.0	30-80.1			
Surrogate: Nitrobenzene-d5	82.6			ug/L	100		82.6	51.2-103			
Surrogate: Phenol-d6	65.4			ug/L	100		65.4	30-75.3			
Surrogate: Terphenyl-d14	84.1			ug/L	100		84.1	30-116			

Matrix Spike (B1F2907-MS1)

Source: 1102878-02

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	69.2	9.3	0.28	ug/L	92.6	<9.3	74.8	39.2-90.6			
1,4-Dichlorobenzene	71.7	9.3	0.27	ug/L	92.6	<9.3	77.5	34.1-81.6			
2,4-Dinitrotoluene	80.9	9.3	0.42	ug/L	92.6	<9.3	87.4	41.1-110			
2-Chlorophenol	76.3	9.3	0.36	ug/L	92.6	<9.3	82.4	30-96.4			
4-Chloro-3-methylphenol	84.3	9.3	0.44	ug/L	92.6	<9.3	91.1	30-113			
4-Nitrophenol	82.2	9.3	0.72	ug/L	92.6	<9.3	88.8	30-112			
Anthracene	83.1	9.3	0.52	ug/L	92.6	<9.3	89.8	30-119			
Benzo(a)anthracene	85.6	9.3	0.46	ug/L	92.6	<9.3	92.4	30-122			
Benzo(a)pyrene	82.3	9.3	0.38	ug/L	92.6	<9.3	88.9	30-118			
Chrysene	86.4	9.3	0.56	ug/L	92.6	<9.3	93.3	30-125			
Fluoranthene	84.1	9.3	0.56	ug/L	92.6	<9.3	90.8	31.6-119			
Fluorene	78.1	9.3	0.48	ug/L	92.6	<9.3	84.3	40.8-107			
N-Nitrosodi-n-propylamine	75.8	9.3	0.23	ug/L	92.6	<9.3	81.9	47.2-94.8			
Pentachlorophenol	86.8	9.3	0.83	ug/L	92.6	<9.3	93.7	30-130			
Phenanthrene	83.6	9.3	0.32	ug/L	92.6	<9.3	90.3	38.2-117			
Phenol	62.6	9.3	0.38	ug/L	92.6	<9.3	67.6	30-80			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1F2907 - EPA 3510C (Sep Funnel)

Matrix Spike (B1F2907-MS1)

Source: 1102878-02

Prepared & Analyzed: 06/29/11

Surrogate: 2,4,6-Tribromophenol	80.8			ug/L	92.6		87.2	30-122			
Surrogate: 2-Fluorobiphenyl	74.6			ug/L	92.6		80.5	39.2-104			
Surrogate: 2-Fluorophenol	64.6			ug/L	92.6		69.7	30-80.1			
Surrogate: Nitrobenzene-d5	75.4			ug/L	92.6		81.4	51.2-103			
Surrogate: Phenol-d6	60.7			ug/L	92.6		65.5	30-75.3			
Surrogate: Terphenyl-d14	81.8			ug/L	92.6		88.3	30-116			

Matrix Spike Dup (B1F2907-MSD1)

Source: 1102878-02

Prepared & Analyzed: 06/29/11

1,2,4-Trichlorobenzene	66.6	9.3	0.28	ug/L	92.6	<9.3	71.9	39.2-90.6	3.86	23.6	
1,4-Dichlorobenzene	67.5	9.3	0.27	ug/L	92.6	<9.3	72.9	34.1-81.6	6.07	22.4	
2,4-Dinitrotoluene	78.3	9.3	0.42	ug/L	92.6	<9.3	84.6	41.1-110	3.27	17.2	
2-Chlorophenol	73.7	9.3	0.36	ug/L	92.6	<9.3	79.6	30-96.4	3.55	23.7	
4-Chloro-3-methylphenol	81.0	9.3	0.44	ug/L	92.6	<9.3	87.5	30-113	4.02	24.1	
4-Nitrophenol	78.5	9.3	0.72	ug/L	92.6	<9.3	84.8	30-112	4.67	34.3	
Anthracene	81.6	9.3	0.52	ug/L	92.6	<9.3	88.1	30-119	1.83	24.5	
Benzo(a)anthracene	84.3	9.3	0.46	ug/L	92.6	<9.3	91.0	30-122	1.48	27.8	
Benzo(a)pyrene	81.0	9.3	0.38	ug/L	92.6	<9.3	87.5	30-118	1.60	27.1	
Chrysene	85.1	9.3	0.56	ug/L	92.6	<9.3	91.9	30-125	1.44	28	
Fluoranthene	82.6	9.3	0.56	ug/L	92.6	<9.3	89.2	31.6-119	1.75	25.9	
Fluorene	75.9	9.3	0.48	ug/L	92.6	<9.3	82.0	40.8-107	2.80	20.6	
N-Nitrosodi-n-propylamine	72.4	9.3	0.23	ug/L	92.6	<9.3	78.2	47.2-94.8	4.54	15.8	
Pentachlorophenol	85.2	9.3	0.83	ug/L	92.6	<9.3	92.0	30-130	1.85	25.5	
Phenanthrene	81.9	9.3	0.32	ug/L	92.6	<9.3	88.4	38.2-117	2.13	19.3	
Phenol	59.9	9.3	0.38	ug/L	92.6	<9.3	64.7	30-80	4.32	31.9	
Surrogate: 2,4,6-Tribromophenol	77.1			ug/L	92.6		83.2	30-122			
Surrogate: 2-Fluorobiphenyl	72.0			ug/L	92.6		77.7	39.2-104			
Surrogate: 2-Fluorophenol	62.0			ug/L	92.6		67.0	30-80.1			
Surrogate: Nitrobenzene-d5	71.9			ug/L	92.6		77.7	51.2-103			
Surrogate: Phenol-d6	57.3			ug/L	92.6		61.9	30-75.3			
Surrogate: Terphenyl-d14	78.9			ug/L	92.6		85.2	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

Blank (B1G0503-BLK1)

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

Blank (B1G0503-BLK1)

Prepared: 07/05/11 Analyzed: 07/06/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.30			mg/kg wet	6.67		64.4	53-107			
Surrogate: 2-Fluorobiphenyl	3.85			mg/kg wet	6.67		57.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.37			mg/kg wet	6.67		50.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg wet	6.67		58.9	48.9-100			
Surrogate: Phenol-d6	3.91			mg/kg wet	6.67		58.7	50.4-99.6			
Surrogate: Terphenyl-d14	4.62			mg/kg wet	6.67		69.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

LCS (B1G0503-BS1)

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	4.13	0.33	0.031	mg/kg wet	6.67		62.0	59.1-87.7			
1,4-Dichlorobenzene	3.47	0.33	0.029	mg/kg wet	6.67		52.1	50.3-72.9			
2,4-Dinitrotoluene	4.60	0.33	0.035	mg/kg wet	6.67		69.0	59.8-82.2			
2-Chlorophenol	4.20	0.67	0.060	mg/kg wet	6.67		63.0	59.7-77.3			
4-Chloro-3-methylphenol	4.60	0.67	0.066	mg/kg wet	6.67		68.9	63.6-80.4			
4-Nitrophenol	4.96	0.67	0.093	mg/kg wet	6.67		74.4	57.3-84.9			
Anthracene	5.20	0.33	0.036	mg/kg wet	6.67		78.0	67.3-88			
Benzo(a)anthracene	5.65	0.33	0.041	mg/kg wet	6.67		84.8	66.5-90.5			
Benzo(a)pyrene	5.34	0.33	0.042	mg/kg wet	6.67		80.1	66.1-89.7			
Chrysene	5.72	0.33	0.044	mg/kg wet	6.67		85.8	65.5-90.5			
Fluoranthene	5.09	0.33	0.039	mg/kg wet	6.67		76.4	66.7-89.9			
Fluorene	4.75	0.33	0.035	mg/kg wet	6.67		71.3	66.2-85.6			
N-Nitrosodi-n-propylamine	4.16	0.33	0.033	mg/kg wet	6.67		62.3	59.4-78			
Pentachlorophenol	5.15	0.67	0.078	mg/kg wet	6.67		77.2	46.7-83.2			
Phenanthrene	5.29	0.33	0.036	mg/kg wet	6.67		79.4	67.5-87.9			
Phenol	4.14	0.67	0.069	mg/kg wet	6.67		62.0	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	5.13			mg/kg wet	6.67		76.9	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.25			mg/kg wet	6.67		63.7	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	3.48			mg/kg wet	6.67		52.2	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.12			mg/kg wet	6.67		61.8	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.28			mg/kg wet	6.67		64.1	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	5.28			mg/kg wet	6.67		79.2	51-99.6			

Matrix Spike (B1G0503-MS1)

Source: 1102925-02

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	3.56	0.34	0.032	mg/kg dry	6.87	<0.34	51.8	44.8-97.9			
1,4-Dichlorobenzene	3.24	0.34	0.030	mg/kg dry	6.87	<0.34	47.1	42.3-77.9			
2,4-Dinitrotoluene	4.00	0.34	0.036	mg/kg dry	6.87	<0.34	58.1	57.3-86.6			
2-Chlorophenol	3.46	0.69	0.062	mg/kg dry	6.87	<0.69	50.4	43.3-93.2			
4-Chloro-3-methylphenol	3.50	0.69	0.068	mg/kg dry	6.87	<0.69	51.0	47.1-97.6			
4-Nitrophenol	4.14	0.69	0.096	mg/kg dry	6.87	<0.69	60.2	49.3-96.2			
Anthracene	4.57	0.34	0.037	mg/kg dry	6.87	<0.34	66.5	67.5-93.1			M2
Benzo(a)anthracene	4.97	0.34	0.042	mg/kg dry	6.87	<0.34	72.3	59.8-95.7			
Benzo(a)pyrene	4.74	0.34	0.043	mg/kg dry	6.87	<0.34	68.9	59.8-92.7			
Chrysene	4.99	0.34	0.045	mg/kg dry	6.87	<0.34	72.6	62.5-94.6			
Fluoranthene	4.61	0.34	0.040	mg/kg dry	6.87	<0.34	67.1	61.3-92.8			
Fluorene	3.95	0.34	0.036	mg/kg dry	6.87	<0.34	57.4	62.8-92.6			M2
N-Nitrosodi-n-propylamine	3.64	0.34	0.034	mg/kg dry	6.87	<0.34	53.0	46.9-89.9			
Pentachlorophenol	4.35	0.69	0.080	mg/kg dry	6.87	<0.69	63.3	40.1-95.1			
Phenanthrene	4.56	0.34	0.037	mg/kg dry	6.87	<0.34	66.4	65.2-92.2			
Phenol	3.44	0.69	0.071	mg/kg dry	6.87	<0.69	50.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

Matrix Spike (B1G0503-MS1)

Source: 1102925-02

Prepared: 07/05/11

Analyzed: 07/06/11

Surrogate: 2,4,6-Tribromophenol	4.36			mg/kg dry	6.87		63.5	53-107			
Surrogate: 2-Fluorobiphenyl	3.58			mg/kg dry	6.87		52.1	53.9-97.9			S-GC
Surrogate: 2-Fluorophenol	3.16			mg/kg dry	6.87		46.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.65			mg/kg dry	6.87		53.1	48.9-100			
Surrogate: Phenol-d6	3.80			mg/kg dry	6.87		55.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.68			mg/kg dry	6.87		68.1	51-99.6			

Matrix Spike Dup (B1G0503-MSD1)

Source: 1102925-02

Prepared: 07/05/11

Analyzed: 07/06/11

1,2,4-Trichlorobenzene	3.61	0.34	0.032	mg/kg dry	6.90	<0.34	52.4	44.8-97.9	1.52	19.6	
1,4-Dichlorobenzene	3.28	0.34	0.030	mg/kg dry	6.90	<0.34	47.6	42.3-77.9	1.40	22.4	
2,4-Dinitrotoluene	4.16	0.34	0.036	mg/kg dry	6.90	<0.34	60.3	57.3-86.6	3.90	19.5	
2-Chlorophenol	3.48	0.69	0.062	mg/kg dry	6.90	<0.69	50.5	43.3-93.2	0.571	23.7	
4-Chloro-3-methylphenol	3.52	0.69	0.068	mg/kg dry	6.90	<0.69	51.1	47.1-97.6	0.489	18.3	
4-Nitrophenol	4.22	0.69	0.096	mg/kg dry	6.90	<0.69	61.2	49.3-96.2	1.90	20.4	
Anthracene	4.70	0.34	0.037	mg/kg dry	6.90	<0.34	68.2	67.5-93.1	2.82	19.9	
Benzo(a)anthracene	5.20	0.34	0.042	mg/kg dry	6.90	<0.34	75.4	59.8-95.7	4.52	23.4	
Benzo(a)pyrene	4.92	0.34	0.043	mg/kg dry	6.90	<0.34	71.4	59.8-92.7	3.92	21.1	
Chrysene	5.19	0.34	0.045	mg/kg dry	6.90	<0.34	75.3	62.5-94.6	3.96	24.8	
Fluoranthene	4.76	0.34	0.040	mg/kg dry	6.90	<0.34	69.0	61.3-92.8	3.13	21.8	
Fluorene	4.04	0.34	0.036	mg/kg dry	6.90	<0.34	58.5	62.8-92.6	2.20	17.6	M2
N-Nitrosodi-n-propylamine	3.62	0.34	0.034	mg/kg dry	6.90	<0.34	52.4	46.9-89.9	0.790	18.9	
Pentachlorophenol	4.35	0.69	0.080	mg/kg dry	6.90	<0.69	63.1	40.1-95.1	0.00134	19.7	
Phenanthrene	4.75	0.34	0.037	mg/kg dry	6.90	<0.34	68.9	65.2-92.2	4.08	20.5	
Phenol	3.42	0.69	0.071	mg/kg dry	6.90	<0.69	49.6	44.7-91	0.531	17.9	
Surrogate: 2,4,6-Tribromophenol	4.51			mg/kg dry	6.90		65.3	53-107			
Surrogate: 2-Fluorobiphenyl	3.59			mg/kg dry	6.90		52.1	53.9-97.9			S-GC
Surrogate: 2-Fluorophenol	3.19			mg/kg dry	6.90		46.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.71			mg/kg dry	6.90		53.8	48.9-100			
Surrogate: Phenol-d6	3.81			mg/kg dry	6.90		55.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.89			mg/kg dry	6.90		70.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0515 - General Prep Dept 4

Blank (B1G0515-BLK1)

Prepared: 07/05/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	< 0.043	1.0	0.043	mg/kg wet							
1,3-Dinitrobenzene	< 0.047	1.0	0.047	mg/kg wet							
2,4,6-Trinitrotoluene	< 0.13	1.0	0.13	mg/kg wet							
2,4-Dinitrotoluene	< 0.039	1.0	0.039	mg/kg wet							
2,6-Dinitrotoluene	< 0.089	1.0	0.089	mg/kg wet							
2-Amino-4,6-Dinitrotoluene	< 0.072	1.0	0.072	mg/kg wet							
2-Nitrotoluene	< 0.16	1.0	0.16	mg/kg wet							
3-Nitrotoluene	< 0.24	1.0	0.24	mg/kg wet							
4-Amino-2,6-Dinitrotoluene	< 0.075	1.0	0.075	mg/kg wet							
4-Nitrotoluene	< 0.23	1.0	0.23	mg/kg wet							
HMX	< 0.11	1.0	0.11	mg/kg wet							
Nitrobenzene	< 0.066	1.0	0.066	mg/kg wet							
RDX	< 0.078	1.0	0.078	mg/kg wet							
Tetryl	< 0.17	1.0	0.17	mg/kg wet							
Surrogate: 1,2-Dinitrobenzene	4.94			mg/kg wet	4.97		99.5	70-130			

LCS (B1G0515-BS1)

Prepared: 07/05/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	4.19	0.90	0.039	mg/kg wet	4.51		93.0	70-130			
1,3-Dinitrobenzene	4.58	0.90	0.042	mg/kg wet	4.51		102	70-130			
2,4,6-Trinitrotoluene	4.08	0.90	0.12	mg/kg wet	4.51		90.5	70-130			
2,4-Dinitrotoluene	4.24	0.90	0.035	mg/kg wet	4.51		94.0	70-130			
2,6-Dinitrotoluene	4.33	0.90	0.080	mg/kg wet	4.51		96.0	70-130			
2-Amino-4,6-Dinitrotoluene	4.08	0.90	0.065	mg/kg wet	4.51		90.5	70-130			
2-Nitrotoluene	4.22	0.90	0.14	mg/kg wet	4.51		93.5	70-130			
3-Nitrotoluene	4.42	0.90	0.22	mg/kg wet	4.51		98.0	70-130			
4-Amino-2,6-Dinitrotoluene	4.06	0.90	0.068	mg/kg wet	4.51		90.0	70-130			
4-Nitrotoluene	4.22	0.90	0.21	mg/kg wet	4.51		93.5	70-130			
HMX	4.24	0.90	0.099	mg/kg wet	4.51		94.0	70-130			
Nitrobenzene	4.24	0.90	0.060	mg/kg wet	4.51		94.0	70-130			
RDX	4.26	0.90	0.070	mg/kg wet	4.51		94.5	70-130			
Tetryl	4.40	0.90	0.15	mg/kg wet	4.51		97.5	70-130			
Surrogate: 1,2-Dinitrobenzene	4.31			mg/kg wet	4.51		95.5	70-130			

Matrix Spike (B1G0515-MS1)

Source: 1102924-01

Prepared: 07/05/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	5.34	1.2	0.054	mg/kg dry	6.48	<1.2	82.5	70-130			
1,3-Dinitrobenzene	6.19	1.2	0.059	mg/kg dry	6.48	<1.2	95.5	70-130			
2,4,6-Trinitrotoluene	6.09	1.2	0.16	mg/kg dry	6.48	<1.2	94.0	70-130			
2,4-Dinitrotoluene	5.77	1.2	0.049	mg/kg dry	6.48	<1.2	89.0	70-130			
2,6-Dinitrotoluene	5.73	1.2	0.11	mg/kg dry	6.48	<1.2	88.5	70-130			
2-Amino-4,6-Dinitrotoluene	6.12	1.2	0.090	mg/kg dry	6.48	<1.2	94.5	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0515 - General Prep Dept 4

Matrix Spike (B1G0515-MS1)

Source: 1102924-01

Prepared: 07/05/11

Analyzed: 07/13/11

2-Nitrotoluene	5.64	1.2	0.20	mg/kg dry	6.48	<1.2	87.0	70-130			
3-Nitrotoluene	5.70	1.2	0.30	mg/kg dry	6.48	<1.2	88.0	70-130			
4-Amino-2,6-Dinitrotoluene	5.86	1.2	0.094	mg/kg dry	6.48	<1.2	90.5	70-130			
4-Nitrotoluene	5.90	1.2	0.29	mg/kg dry	6.48	<1.2	91.0	70-130			
HMX	5.96	1.2	0.14	mg/kg dry	6.48	<1.2	92.0	70-130			
Nitrobenzene	5.67	1.2	0.082	mg/kg dry	6.48	<1.2	87.5	70-130			
RDX	5.99	1.2	0.098	mg/kg dry	6.48	<1.2	92.5	70-130			
Tetryl	< 0.21	1.2	0.21	mg/kg dry	6.48	<1.2		70-130			M2
Surrogate: 1,2-Dinitrobenzene	5.86			mg/kg dry	6.48		90.5	70-130			

Matrix Spike Dup (B1G0515-MSD1)

Source: 1102924-01

Prepared: 07/05/11

Analyzed: 07/13/11

1,3,5-Trinitrobenzene	5.15	1.2	0.054	mg/kg dry	6.13	<1.2	84.0	70-130	3.75	20	
1,3-Dinitrobenzene	5.76	1.2	0.059	mg/kg dry	6.13	<1.2	94.0	70-130	7.13	20	
2,4,6-Trinitrotoluene	5.39	1.2	0.16	mg/kg dry	6.13	<1.2	88.0	70-130	12.1	20	
2,4-Dinitrotoluene	5.52	1.2	0.049	mg/kg dry	6.13	<1.2	90.0	70-130	4.43	20	
2,6-Dinitrotoluene	5.52	1.2	0.11	mg/kg dry	6.13	<1.2	90.0	70-130	3.87	20	
2-Amino-4,6-Dinitrotoluene	5.33	1.2	0.090	mg/kg dry	6.13	<1.2	87.0	70-130	13.8	20	
2-Nitrotoluene	5.33	1.2	0.20	mg/kg dry	6.13	<1.2	87.0	70-130	5.55	20	
3-Nitrotoluene	5.33	1.2	0.30	mg/kg dry	6.13	<1.2	87.0	70-130	6.69	20	
4-Amino-2,6-Dinitrotoluene	5.33	1.2	0.094	mg/kg dry	6.13	<1.2	87.0	70-130	9.49	20	
4-Nitrotoluene	5.42	1.2	0.29	mg/kg dry	6.13	<1.2	88.5	70-130	8.33	20	
HMX	5.49	1.2	0.14	mg/kg dry	6.13	<1.2	89.5	70-130	8.30	20	
Nitrobenzene	5.39	1.2	0.082	mg/kg dry	6.13	<1.2	88.0	70-130	4.98	20	
RDX	5.52	1.2	0.098	mg/kg dry	6.13	<1.2	90.0	70-130	8.28	20	
Tetryl	1.26	1.2	0.21	mg/kg dry	6.13	<1.2	20.6	70-130		20	M2
Surrogate: 1,2-Dinitrobenzene	5.55			mg/kg dry	6.13		90.5	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102932 Date Reported: 07/19/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0612 - General Prep											
Duplicate (B1G0612-DUP1)		Source: 1102925-01				Prepared & Analyzed: 07/06/11					
Flashpoint	>140			°F		0.00				5	
Reference (B1G0612-SRM1)											
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1102932
Date Reported: 07/19/11

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

R-09 The Reporting Limit for this analysis has been raised to account for matrix interference.

M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.

J Parameter was present between the MDL and RL and should be considered an estimated value

D1 Sample required dilution due to matrix.

< Less than value listed

dry Sample results reported on a dry weight basis

NA Not applicable. The %RPD is not calculated from values less than the reporting limit.

MDL Method Detection Limit

RL Reporting Limit

RPD Relative Percent Difference

LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)

MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 2319-1092 4901 816
Project Name: UMC RS-ARL Loc
Sample Origination State: MN (use two letter postal state abbreviation)
COC Number: NO 33971

1102932

COC 1 of 1
Project Manager: JME
Project GC Contact: AAN
Sampled by: ADN
Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m/A or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type		Collection Time (hh:mm)	On Ice?	Date	Time	Received by	Date	Time
						Soil	Water							
2376-T1	0.5	0.5	FT	6/23/11	10:00	X				6/24/11	1500	J. EG	6/24/11	1500
2376-T1	1	1	FT		10:05	X								
4115-T1-102	4	4	FT	6/23/11	8:30	X								
EB-2				6/23/11										

Replacement - CBC

Relinquished By: J. EG
Relinquished By: [Signature]
Samples Shipped Via: Air Freight Federal Express Other: Other: [Signature]
Air Bill Number: [Signature]

Common Parameters/Container - Preservation Key
#1 - Volatile Organics = VOA, GAO, TPH, ECHO Full List
#2 - Semivolatile Organics = SVOC, PCB Dioxins, BZD Full List, Herbicides/Pesticides
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phospor, Ammonia Nitrogen, TN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Copy; 5.20 RR



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 11, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102933
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/24/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Report Reviewer
bpham@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102933 Date Reported: 07/11/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
909A-TT1_2.5-2.5	1102933-01	Soil	06/22/11 14:50	06/24/11 16:10
914A-TT1_0.5-0.5	1102933-02	Soil	06/22/11 14:20	06/24/11 16:10
915A-TT1_0.5-0.5	1102933-03	Soil	06/22/11 16:05	06/24/11 16:10
920A-TT1_0.5-0.5	1102933-04	Soil	06/22/11 16:45	06/24/11 16:10
921A-TT1_0.5-0.5	1102933-05	Soil	06/22/11 15:20	06/24/11 16:10
207T-TT1_0.5-0.5	1102933-06	Soil	06/22/11 16:30	06/24/11 16:10
208T-TT1_0.5-0.5	1102933-07	Soil	06/22/11 15:50	06/24/11 16:10
236T-TT1_8-8	1102933-08	Soil	06/22/11 17:15	06/24/11 16:10

<u>Shipping Container Information</u>		
Default Cooler	Temperature (°C): 5.2	
Received on ice: Yes	Temperature blank was present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: No		

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

Recoveries for 8270 matrix spike compounds anthracene in the batch B1G0503 MS and fluorene in the MS/MSD were below laboratory limits. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS.

Recovery for the 8270 surrogate 2-fluorobiphenyl in the batch B1G0503 MS/MSD was below laboratory limits

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102933 Date Reported: 07/11/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
909A-TT1_2.5-2.5 (1102933-01) Soil Sampled: 06/22/11 14:50 Received: 06/24/11 16:10										
Arsenic	5.1	0.58	0.064	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	92	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	18	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	21	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
914A-TT1_0.5-0.5 (1102933-02) Soil Sampled: 06/22/11 14:20 Received: 06/24/11 16:10										
Arsenic	5.1	0.56	0.061	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	34	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	10	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	4.8	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.096	0.096	0.018	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
915A-TT1_0.5-0.5 (1102933-03) Soil Sampled: 06/22/11 16:05 Received: 06/24/11 16:10										
Arsenic	5.3	0.57	0.062	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	68	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	14	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	8.0	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
920A-TT1_0.5-0.5 (1102933-04) Soil Sampled: 06/22/11 16:45 Received: 06/24/11 16:10										
Arsenic	2.5	0.56	0.062	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	39	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	14	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	3.8	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
921A-TT1_0.5-0.5 (1102933-05) Soil Sampled: 06/22/11 15:20 Received: 06/24/11 16:10										
Arsenic	3.6	0.52	0.057	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102933
 Date Reported: 07/11/11

TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
921A-TT1_0.5-0.5 (1102933-05) Soil Sampled: 06/22/11 15:20 Received: 06/24/11 16:10										
Barium	53	1.0	0.063	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	12	0.52	0.013	mg/kg dry	1	"	"	"	"	
Lead	6.0	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
207T-TT1_0.5-0.5 (1102933-06) Soil Sampled: 06/22/11 16:30 Received: 06/24/11 16:10										
Arsenic	6.1	0.61	0.067	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	150	1.2	0.073	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	15	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	8.7	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	
208T-TT1_0.5-0.5 (1102933-07) Soil Sampled: 06/22/11 15:50 Received: 06/24/11 16:10										
Arsenic	3.9	0.58	0.064	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	68	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	13	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	7.6	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
236T-TT1_8-8 (1102933-08) Soil Sampled: 06/22/11 17:15 Received: 06/24/11 16:10										
Arsenic	3.1	0.54	0.060	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	47	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	14	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	4.2	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	

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PERCENT SOLIDS
 Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
909A-TT1_2.5-2.5 (1102933-01) Soil Sampled: 06/22/11 14:50 Received: 06/24/11 16:10										
% Solids	86			%	1	B1G0508	07/05/11	07/05/11	% calculation	
914A-TT1_0.5-0.5 (1102933-02) Soil Sampled: 06/22/11 14:20 Received: 06/24/11 16:10										
% Solids	90			%	1	B1G0508	07/05/11	07/05/11	% calculation	
915A-TT1_0.5-0.5 (1102933-03) Soil Sampled: 06/22/11 16:05 Received: 06/24/11 16:10										
% Solids	88			%	1	B1G0508	07/05/11	07/05/11	% calculation	
920A-TT1_0.5-0.5 (1102933-04) Soil Sampled: 06/22/11 16:45 Received: 06/24/11 16:10										
% Solids	89			%	1	B1G0508	07/05/11	07/05/11	% calculation	
921A-TT1_0.5-0.5 (1102933-05) Soil Sampled: 06/22/11 15:20 Received: 06/24/11 16:10										
% Solids	89			%	1	B1G0508	07/05/11	07/05/11	% calculation	
207T-TT1_0.5-0.5 (1102933-06) Soil Sampled: 06/22/11 16:30 Received: 06/24/11 16:10										
% Solids	82			%	1	B1G0508	07/05/11	07/05/11	% calculation	
208T-TT1_0.5-0.5 (1102933-07) Soil Sampled: 06/22/11 15:50 Received: 06/24/11 16:10										
% Solids	86			%	1	B1G0508	07/05/11	07/05/11	% calculation	
236T-TT1_8-8 (1102933-08) Soil Sampled: 06/22/11 17:15 Received: 06/24/11 16:10										
% Solids	87			%	1	B1G0508	07/05/11	07/05/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102933 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
909A-TT1_2.5-2.5 (1102933-01) Soil Sampled: 06/22/11 14:50 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
909A-TT1_2.5-2.5 (1102933-01) Soil Sampled: 06/22/11 14:50 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.056	0.38	0.056	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	96.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.8			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
914A-TT1_0.5-0.5 (1102933-02) Soil Sampled: 06/22/11 14:20 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.062	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
914A-TT1_0.5-0.5 (1102933-02) Soil Sampled: 06/22/11 14:20 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.088	0.37	0.043	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	0.075	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	80.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	56.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	60.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	65.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	71.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102933 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
915A-TT1_0.5-0.5 (1102933-03) Soil Sampled: 06/22/11 16:05 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102933 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
915A-TT1_0.5-0.5 (1102933-03) Soil Sampled: 06/22/11 16:05 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G0503	07/05/11	07/05/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	69.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	57.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	50.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	56.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	60.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	61.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102933 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
920A-TT1_0.5-0.5 (1102933-04) Soil Sampled: 06/22/11 16:45 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102933
 Date Reported: 07/11/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
920A-TT1_0.5-0.5 (1102933-04) Soil Sampled: 06/22/11 16:45 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102933 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
921A-TT1_0.5-0.5 (1102933-05) Soil Sampled: 06/22/11 15:20 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102933 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
921A-TT1_0.5-0.5 (1102933-05) Soil Sampled: 06/22/11 15:20 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	64.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	76.2			51-99.6 %		"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1102933
Date Reported: 07/11/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207T-TT1_0.5-0.5 (1102933-06) Soil Sampled: 06/22/11 16:30 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.82	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.091	0.82	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.073	0.82	0.073	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	2.0	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.82	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.82	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.82	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102933 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207T-TT1_0.5-0.5 (1102933-06) Soil Sampled: 06/22/11 16:30 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.059	0.40	0.059	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
Pyrene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	77.6			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102933
 Date Reported: 07/11/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208T-TT1_0.5-0.5 (1102933-07) Soil Sampled: 06/22/11 15:50 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.067	0.38	0.044	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	0.14	0.38	0.042	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.27	0.38	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.22	0.38	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.27	0.38	0.050	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.11	0.38	0.050	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102933
 Date Reported: 07/11/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208T-TT1_0.5-0.5 (1102933-07) Soil Sampled: 06/22/11 15:50 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	0.12	0.38	0.056	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	J
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	0.26	0.38	0.051	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.62	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.11	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.52	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	0.55	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	73.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	62.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	53.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102933 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
236T-TT1_8-8 (1102933-08) Soil Sampled: 06/22/11 17:15 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
236T-TT1_8-8 (1102933-08) Soil Sampled: 06/22/11 17:15 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.046	0.38	0.046	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	67.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	73.0			51-99.6 %		"	"	"	"	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0711 - EPA 7471A											
Blank (B1G0711-BLK1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0711-BS1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.186	0.10	0.019	mg/kg wet	0.200		93.0	80-120			
LCS Dup (B1G0711-BSD1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.187	0.10	0.019	mg/kg wet	0.200		93.5	80-120	0.536	20	
Matrix Spike (B1G0711-MS1)						Source: 1102930-01 Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.279	0.12	0.023	mg/kg dry	0.241	<0.12	102	75-125			
Matrix Spike Dup (B1G0711-MSD1)						Source: 1102930-01 Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.253	0.12	0.023	mg/kg dry	0.236	<0.12	93.3	75-125	9.69	20	
Batch B1G0714 - EPA 3050B											
Blank (B1G0714-BLK1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0714-BS1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	43.3	1.0	0.060	mg/kg wet	39.9		109	80-120			
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.0	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	41.5	1.0	0.095	mg/kg wet	39.9		104	80-120			
Silver	4.09	0.25	0.016	mg/kg wet	3.99		103	80-120			
LCS Dup (B1G0714-BSD1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120	0.126	20	
Barium	43.1	1.0	0.060	mg/kg wet	39.9		108	80-120	0.575	20	
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120	0.0230	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120	0.0360	20	
Lead	40.8	1.0	0.14	mg/kg wet	39.9		102	80-120	0.409	20	
Selenium	41.4	1.0	0.095	mg/kg wet	39.9		104	80-120	0.0976	20	
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120	1.51	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0714 - EPA 3050B											
Matrix Spike (B1G0714-MS1)		Source: 1102962-01			Prepared: 07/07/11		Analyzed: 07/11/11				
Arsenic	42.4	0.49	0.054	mg/kg dry	39.0	2.90	101	75-125			
Barium	80.6	0.98	0.059	mg/kg dry	39.0	36.4	113	75-125			
Cadmium	39.5	0.24	0.032	mg/kg dry	39.0	<0.24	101	75-125			
Chromium	49.6	0.49	0.012	mg/kg dry	39.0	13.3	92.9	75-125			
Lead	39.4	0.98	0.14	mg/kg dry	39.0	3.14	92.9	75-125			
Selenium	38.2	0.98	0.093	mg/kg dry	39.0	<0.98	97.9	75-125			
Silver	3.81	0.24	0.016	mg/kg dry	3.90	<0.24	97.5	75-125			
Matrix Spike Dup (B1G0714-MSD1)											
Matrix Spike Dup (B1G0714-MSD1)		Source: 1102962-01			Prepared: 07/07/11		Analyzed: 07/11/11				
Arsenic	42.0	0.49	0.054	mg/kg dry	38.9	2.90	101	75-125	0.977	20	
Barium	73.9	0.97	0.058	mg/kg dry	38.9	36.4	96.4	75-125	8.66	20	
Cadmium	39.4	0.24	0.032	mg/kg dry	38.9	<0.24	101	75-125	0.353	20	
Chromium	50.5	0.49	0.012	mg/kg dry	38.9	13.3	95.7	75-125	1.85	20	
Lead	39.1	0.97	0.14	mg/kg dry	38.9	3.14	92.6	75-125	0.664	20	
Selenium	38.4	0.97	0.093	mg/kg dry	38.9	<0.97	98.7	75-125	0.398	20	
Silver	3.82	0.24	0.016	mg/kg dry	3.89	<0.24	98.2	75-125	0.300	20	

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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G0508 - General Preparation												
Duplicate (B1G0508-DUP1)							Source: 1102869-10					Prepared & Analyzed: 07/05/11
% Solids	97.0			%		97.0			0.00	20		
Duplicate (B1G0508-DUP2)							Source: 1102932-02					Prepared & Analyzed: 07/05/11
% Solids	88.0			%		86.0			2.30	20		
Duplicate (B1G0508-DUP3)							Source: 1102951-02					Prepared & Analyzed: 07/05/11
% Solids	78.0			%		79.0			1.27	20		
Duplicate (B1G0508-DUP4)							Source: 1102952-01					Prepared & Analyzed: 07/05/11
% Solids	89.0			%		88.0			1.13	20		

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

Blank (B1G0503-BLK1)

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102933 Date Reported: 07/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

Blank (B1G0503-BLK1)

Prepared: 07/05/11 Analyzed: 07/06/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.30			mg/kg wet	6.67		64.4	53-107			
Surrogate: 2-Fluorobiphenyl	3.85			mg/kg wet	6.67		57.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.37			mg/kg wet	6.67		50.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg wet	6.67		58.9	48.9-100			
Surrogate: Phenol-d6	3.91			mg/kg wet	6.67		58.7	50.4-99.6			
Surrogate: Terphenyl-d14	4.62			mg/kg wet	6.67		69.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102933 Date Reported: 07/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

LCS (B1G0503-BS1)

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	4.13	0.33	0.031	mg/kg wet	6.67		62.0	59.1-87.7			
1,4-Dichlorobenzene	3.47	0.33	0.029	mg/kg wet	6.67		52.1	50.3-72.9			
2,4-Dinitrotoluene	4.60	0.33	0.035	mg/kg wet	6.67		69.0	59.8-82.2			
2-Chlorophenol	4.20	0.67	0.060	mg/kg wet	6.67		63.0	59.7-77.3			
4-Chloro-3-methylphenol	4.60	0.67	0.066	mg/kg wet	6.67		68.9	63.6-80.4			
4-Nitrophenol	4.96	0.67	0.093	mg/kg wet	6.67		74.4	57.3-84.9			
Anthracene	5.20	0.33	0.036	mg/kg wet	6.67		78.0	67.3-88			
Benzo(a)anthracene	5.65	0.33	0.041	mg/kg wet	6.67		84.8	66.5-90.5			
Benzo(a)pyrene	5.34	0.33	0.042	mg/kg wet	6.67		80.1	66.1-89.7			
Chrysene	5.72	0.33	0.044	mg/kg wet	6.67		85.8	65.5-90.5			
Fluoranthene	5.09	0.33	0.039	mg/kg wet	6.67		76.4	66.7-89.9			
Fluorene	4.75	0.33	0.035	mg/kg wet	6.67		71.3	66.2-85.6			
N-Nitrosodi-n-propylamine	4.16	0.33	0.033	mg/kg wet	6.67		62.3	59.4-78			
Pentachlorophenol	5.15	0.67	0.078	mg/kg wet	6.67		77.2	46.7-83.2			
Phenanthrene	5.29	0.33	0.036	mg/kg wet	6.67		79.4	67.5-87.9			
Phenol	4.14	0.67	0.069	mg/kg wet	6.67		62.0	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.13			mg/kg wet	6.67		76.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.25			mg/kg wet	6.67		63.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.48			mg/kg wet	6.67		52.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.12			mg/kg wet	6.67		61.8	48.9-100			
Surrogate: Phenol-d6	4.28			mg/kg wet	6.67		64.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.28			mg/kg wet	6.67		79.2	51-99.6			

Matrix Spike (B1G0503-MS1)

Source: 1102925-02

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	3.56	0.34	0.032	mg/kg dry	6.87	<0.34	51.8	44.8-97.9			
1,4-Dichlorobenzene	3.24	0.34	0.030	mg/kg dry	6.87	<0.34	47.1	42.3-77.9			
2,4-Dinitrotoluene	4.00	0.34	0.036	mg/kg dry	6.87	<0.34	58.1	57.3-86.6			
2-Chlorophenol	3.46	0.69	0.062	mg/kg dry	6.87	<0.69	50.4	43.3-93.2			
4-Chloro-3-methylphenol	3.50	0.69	0.068	mg/kg dry	6.87	<0.69	51.0	47.1-97.6			
4-Nitrophenol	4.14	0.69	0.096	mg/kg dry	6.87	<0.69	60.2	49.3-96.2			
Anthracene	4.57	0.34	0.037	mg/kg dry	6.87	<0.34	66.5	67.5-93.1			M2
Benzo(a)anthracene	4.97	0.34	0.042	mg/kg dry	6.87	<0.34	72.3	59.8-95.7			
Benzo(a)pyrene	4.74	0.34	0.043	mg/kg dry	6.87	<0.34	68.9	59.8-92.7			
Chrysene	4.99	0.34	0.045	mg/kg dry	6.87	<0.34	72.6	62.5-94.6			
Fluoranthene	4.61	0.34	0.040	mg/kg dry	6.87	<0.34	67.1	61.3-92.8			
Fluorene	3.95	0.34	0.036	mg/kg dry	6.87	<0.34	57.4	62.8-92.6			M2
N-Nitrosodi-n-propylamine	3.64	0.34	0.034	mg/kg dry	6.87	<0.34	53.0	46.9-89.9			
Pentachlorophenol	4.35	0.69	0.080	mg/kg dry	6.87	<0.69	63.3	40.1-95.1			
Phenanthrene	4.56	0.34	0.037	mg/kg dry	6.87	<0.34	66.4	65.2-92.2			
Phenol	3.44	0.69	0.071	mg/kg dry	6.87	<0.69	50.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102933 Date Reported: 07/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

Matrix Spike (B1G0503-MS1)

Source: 1102925-02

Prepared: 07/05/11

Analyzed: 07/06/11

Surrogate: 2,4,6-Tribromophenol	4.36			mg/kg dry	6.87		63.5	53-107			
Surrogate: 2-Fluorobiphenyl	3.58			mg/kg dry	6.87		52.1	53.9-97.9			S-GC
Surrogate: 2-Fluorophenol	3.16			mg/kg dry	6.87		46.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.65			mg/kg dry	6.87		53.1	48.9-100			
Surrogate: Phenol-d6	3.80			mg/kg dry	6.87		55.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.68			mg/kg dry	6.87		68.1	51-99.6			

Matrix Spike Dup (B1G0503-MSD1)

Source: 1102925-02

Prepared: 07/05/11

Analyzed: 07/06/11

1,2,4-Trichlorobenzene	3.61	0.34	0.032	mg/kg dry	6.90	<0.34	52.4	44.8-97.9	1.52	19.6	
1,4-Dichlorobenzene	3.28	0.34	0.030	mg/kg dry	6.90	<0.34	47.6	42.3-77.9	1.40	22.4	
2,4-Dinitrotoluene	4.16	0.34	0.036	mg/kg dry	6.90	<0.34	60.3	57.3-86.6	3.90	19.5	
2-Chlorophenol	3.48	0.69	0.062	mg/kg dry	6.90	<0.69	50.5	43.3-93.2	0.571	23.7	
4-Chloro-3-methylphenol	3.52	0.69	0.068	mg/kg dry	6.90	<0.69	51.1	47.1-97.6	0.489	18.3	
4-Nitrophenol	4.22	0.69	0.096	mg/kg dry	6.90	<0.69	61.2	49.3-96.2	1.90	20.4	
Anthracene	4.70	0.34	0.037	mg/kg dry	6.90	<0.34	68.2	67.5-93.1	2.82	19.9	
Benzo(a)anthracene	5.20	0.34	0.042	mg/kg dry	6.90	<0.34	75.4	59.8-95.7	4.52	23.4	
Benzo(a)pyrene	4.92	0.34	0.043	mg/kg dry	6.90	<0.34	71.4	59.8-92.7	3.92	21.1	
Chrysene	5.19	0.34	0.045	mg/kg dry	6.90	<0.34	75.3	62.5-94.6	3.96	24.8	
Fluoranthene	4.76	0.34	0.040	mg/kg dry	6.90	<0.34	69.0	61.3-92.8	3.13	21.8	
Fluorene	4.04	0.34	0.036	mg/kg dry	6.90	<0.34	58.5	62.8-92.6	2.20	17.6	M2
N-Nitrosodi-n-propylamine	3.62	0.34	0.034	mg/kg dry	6.90	<0.34	52.4	46.9-89.9	0.790	18.9	
Pentachlorophenol	4.35	0.69	0.080	mg/kg dry	6.90	<0.69	63.1	40.1-95.1	0.00134	19.7	
Phenanthrene	4.75	0.34	0.037	mg/kg dry	6.90	<0.34	68.9	65.2-92.2	4.08	20.5	
Phenol	3.42	0.69	0.071	mg/kg dry	6.90	<0.69	49.6	44.7-91	0.531	17.9	
Surrogate: 2,4,6-Tribromophenol	4.51			mg/kg dry	6.90		65.3	53-107			
Surrogate: 2-Fluorobiphenyl	3.59			mg/kg dry	6.90		52.1	53.9-97.9			S-GC
Surrogate: 2-Fluorophenol	3.19			mg/kg dry	6.90		46.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.71			mg/kg dry	6.90		53.8	48.9-100			
Surrogate: Phenol-d6	3.81			mg/kg dry	6.90		55.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.89			mg/kg dry	6.90		70.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102933 Date Reported: 07/11/11
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Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.

J Parameter was present between the MDL and RL and should be considered an estimated value

< Less than value listed

dry Sample results reported on a dry weight basis

NA Not applicable. The %RPD is not calculated from values less than the reporting limit.

MDL Method Detection Limit

RL Reporting Limit

RPD Relative Percent Difference

LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)

MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

1102933

Project Number: 2319-1092 498E 810

Project Name: UMCRI - DEF Le

Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 34319

COC	1	at	Number of Containers/Preservative										Project Manager: JME	Project QC Contact: AAN	Sampled by: AMW	Laboratory: Legend	
			Water					Soil									Total Number Of Containers
			VOCA (HCl) #1	VOCA (unpreserved) #2	Dissolved Metals (ENDs)	Total Metals (HMO)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	VOCA (rated MOH) #1	GRX, BRX (rated MOH) #1	DRO (rated unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)		
			Matrix	Type	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Depth Unit (mch. or in.)	Start Depth	Stop Depth	On Ice?	On Ice?	Relinquished By: [Signature]	Date: 6/24/14	Time: 1:00	Received by: [Signature]	Date: 6/24/14	Time: 16:10
01			X	X	6/24/2011	14:50	FT	2.5	2.5	N	N		X	X	X	X	3
02			X	X		14:20		0.5	0.5	N	N		X	X	X	X	3
03			X	X		16:05		0.5	0.5	N	N		X	X	X	X	3
04			X	X		16:45		0.5	0.5	N	N		X	X	X	X	3
05			X	X		15:20		0.5	0.5	N	N		X	X	X	X	3
06			X	X		16:30		0.5	0.5	N	N		X	X	X	X	3
07			X	X		15:50		0.5	0.5	N	N		X	X	X	X	3
08			X	X		17:15		8	8	N	N		X	X	X	X	3
09																	
10																	

Replacement COC

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRX, TPH, B260 Puff List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, B270 Puff List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TRN

Distribution: White-Original Accompanying Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator 5.22 RK



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102951
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/24/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Bach Pham".

Bach Pham
Report Reviewer
bpham@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102951 Date Reported: 07/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E7-SS1_0.5-0.5	1102951-01	Soil	06/23/11 16:00	06/24/11 16:10
E7-SS2_0.5-0.5	1102951-02	Soil	06/23/11 16:15	06/24/11 16:10
E7-SS3_0.5-0.5	1102951-03	Soil	06/23/11 16:25	06/24/11 16:10

Shipping Container Information

Default Cooler Temperature (°C): 5.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
Custody seals: No

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Recoveries for several 8270 matrix spike compounds were below laboratory limits in the batch B1G0607 MS/MSD due to sample matrix interference. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS.

Recovery for the 8270 surrogate 2-fluorobiphenyl was below laboratory limits in sample E7-SS3_0.5-0.5.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102951 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E7-SS1_0.5-0.5 (1102951-01) Soil Sampled: 06/23/11 16:00 Received: 06/24/11 16:10										
Arsenic	3.8	0.57	0.062	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	44	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	12	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	6.6	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
E7-SS2_0.5-0.5 (1102951-02) Soil Sampled: 06/23/11 16:15 Received: 06/24/11 16:10										
Arsenic	7.0	0.63	0.070	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Barium	120	1.3	0.076	mg/kg dry	1	"	"	"	"	
Cadmium	<0.32	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	19	0.63	0.015	mg/kg dry	1	"	"	"	"	
Lead	13	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.13	0.13	0.024	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1G0713	07/07/11	07/11/11	EPA 6010B	
Silver	<0.32	0.32	0.020	mg/kg dry	1	"	"	"	"	
E7-SS3_0.5-0.5 (1102951-03) Soil Sampled: 06/23/11 16:25 Received: 06/24/11 16:10										
Arsenic	4.1	0.56	0.061	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Barium	46	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	11	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	6.2	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102951 Date Reported: 07/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E7-SS1_0.5-0.5 (1102951-01) Soil Sampled: 06/23/11 16:00 Received: 06/24/11 16:10										
% Solids	88			%	1	B1G0508	07/05/11	07/05/11	% calculation	
E7-SS2_0.5-0.5 (1102951-02) Soil Sampled: 06/23/11 16:15 Received: 06/24/11 16:10										
% Solids	79			%	1	B1G0508	07/05/11	07/05/11	% calculation	
E7-SS3_0.5-0.5 (1102951-03) Soil Sampled: 06/23/11 16:25 Received: 06/24/11 16:10										
% Solids	90			%	1	B1G0508	07/05/11	07/05/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102951 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E7-SS1_0.5-0.5 (1102951-01) Soil Sampled: 06/23/11 16:00 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102951 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E7-SS1_0.5-0.5 (1102951-01) Soil Sampled: 06/23/11 16:00 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	71.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	64.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	66.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	74.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102951 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E7-SS2_0.5-0.5 (1102951-02) Soil Sampled: 06/23/11 16:15 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.047	0.85	0.047	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.095	0.85	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.076	0.85	0.076	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.85	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.42	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.084	0.85	0.084	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.85	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.85	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.2	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102951 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E7-SS2_0.5-0.5 (1102951-02) Soil Sampled: 06/23/11 16:15 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.061	0.42	0.061	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.051	0.42	0.051	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.42	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.033	0.42	0.033	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Phenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
Pyrene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	71.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	57.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	57.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	62.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	76.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102951 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E7-SS3_0.5-0.5 (1102951-03) Soil Sampled: 06/23/11 16:25 Received: 06/24/11 16:10										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E7-SS3_0.5-0.5 (1102951-03) Soil Sampled: 06/23/11 16:25 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1G0607	07/06/11	07/06/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	69.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	52.5			53.9-97.9 %		"	"	"	"	S-GC
Surrogate: 2-Fluorophenol	49.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	49.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	55.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	78.1			51-99.6 %		"	"	"	"	

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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E7-SS1_0.5-0.5 (1102951-01) Soil Sampled: 06/23/11 16:00 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1G0612	07/06/11	07/06/11	EPA 1010A/ASTM D93(M)	
E7-SS2_0.5-0.5 (1102951-02) Soil Sampled: 06/23/11 16:15 Received: 06/24/11 16:10										
Flashpoint	>140			°F	1	B1G0612	07/06/11	07/06/11	EPA 1010A/ASTM D93(M)	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0711 - EPA 7471A											
Blank (B1G0711-BLK1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0711-BS1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.186	0.10	0.019	mg/kg wet	0.200		93.0	80-120			
LCS Dup (B1G0711-BSD1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.187	0.10	0.019	mg/kg wet	0.200		93.5	80-120	0.536	20	
Matrix Spike (B1G0711-MS1)						Source: 1102930-01 Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.279	0.12	0.023	mg/kg dry	0.241	<0.12	102	75-125			
Matrix Spike Dup (B1G0711-MSD1)						Source: 1102930-01 Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.253	0.12	0.023	mg/kg dry	0.236	<0.12	93.3	75-125	9.69	20	
Batch B1G0713 - EPA 3050B											
Blank (B1G0713-BLK1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0713-BS1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.1	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	40.9	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.09	0.25	0.016	mg/kg wet	3.99		102	80-120			
LCS Dup (B1G0713-BSD1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	40.4	0.50	0.055	mg/kg wet	39.9		101	80-120	0.245	20	
Barium	41.9	1.0	0.060	mg/kg wet	39.9		105	80-120	0.393	20	
Cadmium	40.7	0.25	0.033	mg/kg wet	39.9		102	80-120	0.817	20	
Chromium	41.3	0.50	0.012	mg/kg wet	39.9		104	80-120	0.692	20	
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120	0.639	20	
Selenium	40.6	1.0	0.095	mg/kg wet	39.9		102	80-120	0.597	20	
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120	0.601	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0713 - EPA 3050B

Matrix Spike (B1G0713-MS1)

Source: 1102925-01

Prepared: 07/07/11

Analyzed: 07/11/11

Arsenic	42.3	0.52	0.057	mg/kg dry	39.4	1.54	103	75-125			
Barium	58.7	1.0	0.062	mg/kg dry	39.4	17.7	104	75-125			
Cadmium	41.2	0.26	0.034	mg/kg dry	39.4	<0.26	104	75-125			
Chromium	45.1	0.52	0.012	mg/kg dry	39.4	5.16	101	75-125			
Lead	39.5	1.0	0.14	mg/kg dry	39.4	1.25	97.1	75-125			
Selenium	40.5	1.0	0.098	mg/kg dry	39.4	<1.0	103	75-125			
Silver	4.02	0.26	0.016	mg/kg dry	3.94	<0.26	102	75-125			

Matrix Spike Dup (B1G0713-MSD1)

Source: 1102925-01

Prepared: 07/07/11

Analyzed: 07/11/11

Arsenic	40.8	0.49	0.054	mg/kg dry	38.8	1.54	101	75-125	3.72	20	
Barium	59.3	0.97	0.058	mg/kg dry	38.8	17.7	107	75-125	0.951	20	
Cadmium	39.9	0.24	0.032	mg/kg dry	38.8	<0.24	103	75-125	3.22	20	
Chromium	43.8	0.49	0.012	mg/kg dry	38.8	5.16	99.4	75-125	3.06	20	
Lead	38.8	0.97	0.14	mg/kg dry	38.8	1.25	96.6	75-125	1.92	20	
Selenium	39.6	0.97	0.092	mg/kg dry	38.8	<0.97	102	75-125	2.24	20	
Silver	3.88	0.24	0.016	mg/kg dry	3.88	<0.24	99.8	75-125	3.73	20	

Batch B1G1104 - EPA 3050B

Blank (B1G1104-BLK1)

Prepared: 07/11/11

Analyzed: 07/12/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G1104-BS1)

Prepared: 07/11/11

Analyzed: 07/12/11

Arsenic	41.2	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	41.2	1.0	0.060	mg/kg wet	39.9		103	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.8	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	41.2	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	41.3	1.0	0.095	mg/kg wet	39.9		104	80-120			
Silver	4.14	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1G1104-BSD1)

Prepared: 07/11/11

Analyzed: 07/12/11

Arsenic	39.8	0.50	0.055	mg/kg wet	39.9		99.8	80-120	3.47	20	
Barium	41.1	1.0	0.060	mg/kg wet	39.9		103	80-120	0.140	20	
Cadmium	39.8	0.25	0.033	mg/kg wet	39.9		99.9	80-120	3.07	20	
Chromium	40.5	0.50	0.012	mg/kg wet	39.9		102	80-120	3.01	20	
Lead	40.0	1.0	0.14	mg/kg wet	39.9		100	80-120	2.83	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1104 - EPA 3050B											
LCS Dup (B1G1104-BSD1)						Prepared: 07/11/11 Analyzed: 07/12/11					
Selenium	40.1	1.0	0.095	mg/kg wet	39.9		101	80-120	3.03	20	
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120	2.05	20	
Matrix Spike (B1G1104-MS1)											
Source: 1102980-14						Prepared: 07/11/11 Analyzed: 07/12/11					
Arsenic	52.5	0.62	0.069	mg/kg dry	48.1	8.05	92.4	75-125			
Barium	168	1.2	0.075	mg/kg dry	48.1	117	106	75-125			
Cadmium	45.7	0.31	0.041	mg/kg dry	48.1	<0.31	94.6	75-125			
Chromium	68.0	0.62	0.015	mg/kg dry	48.1	19.9	100	75-125			
Lead	52.7	1.2	0.18	mg/kg dry	48.1	10.1	88.6	75-125			
Selenium	43.1	1.2	0.12	mg/kg dry	48.1	<1.2	89.4	75-125			
Silver	4.44	0.31	0.020	mg/kg dry	4.81	<0.31	92.4	75-125			
Matrix Spike Dup (B1G1104-MSD1)											
Source: 1102980-14						Prepared: 07/11/11 Analyzed: 07/12/11					
Arsenic	51.8	0.59	0.065	mg/kg dry	47.0	8.05	93.0	75-125	1.36	20	
Barium	166	1.2	0.071	mg/kg dry	47.0	117	103	75-125	1.45	20	
Cadmium	44.7	0.29	0.039	mg/kg dry	47.0	<0.29	94.8	75-125	2.06	20	
Chromium	67.2	0.59	0.014	mg/kg dry	47.0	19.9	101	75-125	1.14	20	
Lead	51.5	1.2	0.16	mg/kg dry	47.0	10.1	88.0	75-125	2.39	20	
Selenium	42.3	1.2	0.11	mg/kg dry	47.0	<1.2	89.7	75-125	1.98	20	
Silver	4.31	0.29	0.019	mg/kg dry	4.70	<0.29	91.7	75-125	2.98	20	
Batch B1G1105 - EPA 7471A											
Blank (B1G1105-BLK1)						Prepared: 07/11/11 Analyzed: 07/12/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G1105-BS1)						Prepared: 07/11/11 Analyzed: 07/12/11					
Mercury	0.211	0.10	0.019	mg/kg wet	0.200		106	80-120			
LCS Dup (B1G1105-BSD1)						Prepared: 07/11/11 Analyzed: 07/12/11					
Mercury	0.200	0.10	0.019	mg/kg wet	0.200		100	80-120	5.35	20	
Matrix Spike (B1G1105-MS1)											
Source: 1102951-03						Prepared: 07/11/11 Analyzed: 07/12/11					
Mercury	0.197	0.095	0.018	mg/kg dry	0.190	<0.095	104	75-125			
Matrix Spike Dup (B1G1105-MSD1)											
Source: 1102951-03						Prepared: 07/11/11 Analyzed: 07/12/11					
Mercury	0.227	0.10	0.019	mg/kg dry	0.201	<0.10	113	75-125	14.1	20	

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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G0508 - General Preparation												
Duplicate (B1G0508-DUP1)							Source: 1102869-10					Prepared & Analyzed: 07/05/11
% Solids	97.0			%		97.0			0.00	20		
Duplicate (B1G0508-DUP2)							Source: 1102932-02					Prepared & Analyzed: 07/05/11
% Solids	88.0			%		86.0			2.30	20		
Duplicate (B1G0508-DUP3)							Source: 1102951-02					Prepared & Analyzed: 07/05/11
% Solids	78.0			%		79.0			1.27	20		
Duplicate (B1G0508-DUP4)							Source: 1102952-01					Prepared & Analyzed: 07/05/11
% Solids	89.0			%		88.0			1.13	20		

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0607 - EPA 3545 ASE Extraction

Blank (B1G0607-BLK1)

Prepared & Analyzed: 07/06/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102951 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0607 - EPA 3545 ASE Extraction

Blank (B1G0607-BLK1)

Prepared & Analyzed: 07/06/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.96			mg/kg wet	6.67		74.4	53-107			
Surrogate: 2-Fluorobiphenyl	4.40			mg/kg wet	6.67		66.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.43			mg/kg wet	6.67		66.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.55			mg/kg wet	6.67		68.2	48.9-100			
Surrogate: Phenol-d6	4.68			mg/kg wet	6.67		70.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.67			mg/kg wet	6.67		85.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102951 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0607 - EPA 3545 ASE Extraction

LCS (B1G0607-BS1)

Prepared: 07/06/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.27	0.33	0.031	mg/kg wet	6.67		64.1	59.1-87.7			
1,4-Dichlorobenzene	3.93	0.33	0.029	mg/kg wet	6.67		58.9	50.3-72.9			
2,4-Dinitrotoluene	4.78	0.33	0.035	mg/kg wet	6.67		71.7	59.8-82.2			
2-Chlorophenol	4.57	0.67	0.060	mg/kg wet	6.67		68.6	59.7-77.3			
4-Chloro-3-methylphenol	4.81	0.67	0.066	mg/kg wet	6.67		72.1	63.6-80.4			
4-Nitrophenol	4.79	0.67	0.093	mg/kg wet	6.67		71.9	57.3-84.9			
Anthracene	5.07	0.33	0.036	mg/kg wet	6.67		76.1	67.3-88			
Benzo(a)anthracene	5.42	0.33	0.041	mg/kg wet	6.67		81.2	66.5-90.5			
Benzo(a)pyrene	5.80	0.33	0.042	mg/kg wet	6.67		87.0	66.1-89.7			
Chrysene	5.41	0.33	0.044	mg/kg wet	6.67		81.2	65.5-90.5			
Fluoranthene	5.11	0.33	0.039	mg/kg wet	6.67		76.6	66.7-89.9			
Fluorene	4.64	0.33	0.035	mg/kg wet	6.67		69.6	66.2-85.6			
N-Nitrosodi-n-propylamine	4.58	0.33	0.033	mg/kg wet	6.67		68.7	59.4-78			
Pentachlorophenol	5.09	0.67	0.078	mg/kg wet	6.67		76.4	46.7-83.2			
Phenanthrene	5.17	0.33	0.036	mg/kg wet	6.67		77.5	67.5-87.9			
Phenol	3.98	0.67	0.069	mg/kg wet	6.67		59.7	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.61			mg/kg wet	6.67		84.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.28			mg/kg wet	6.67		64.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.18			mg/kg wet	6.67		62.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.47			mg/kg wet	6.67		67.0	48.9-100			
Surrogate: Phenol-d6	4.60			mg/kg wet	6.67		69.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.94			mg/kg wet	6.67		74.2	51-99.6			

Matrix Spike (B1G0607-MS1)

Source: 1102864-12

Prepared: 07/06/11 Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.52	1.8	0.17	mg/kg dry	7.22	<1.8	62.7	44.8-97.9			
1,4-Dichlorobenzene	4.42	1.8	0.16	mg/kg dry	7.22	<1.8	61.2	42.3-77.9			
2,4-Dinitrotoluene	5.10	1.8	0.19	mg/kg dry	7.22	<1.8	70.6	57.3-86.6			
2-Chlorophenol	4.94	3.6	0.32	mg/kg dry	7.22	<3.6	68.4	43.3-93.2			
4-Chloro-3-methylphenol	5.60	3.6	0.35	mg/kg dry	7.22	<3.6	77.7	47.1-97.6			
4-Nitrophenol	5.57	3.6	0.50	mg/kg dry	7.22	<3.6	77.2	49.3-96.2			
Anthracene	6.71	1.8	0.19	mg/kg dry	7.22	2.94	52.2	67.5-93.1			QM-05
Benzo(a)anthracene	8.74	1.8	0.22	mg/kg dry	7.22	4.78	54.8	59.8-95.7			QM-05
Benzo(a)pyrene	7.68	1.8	0.23	mg/kg dry	7.22	3.79	53.9	59.8-92.7			QM-05
Chrysene	8.82	1.8	0.24	mg/kg dry	7.22	5.24	49.7	62.5-94.6			QM-05
Fluoranthene	10.8	1.8	0.21	mg/kg dry	7.22	9.77	13.8	61.3-92.8			QM-05
Fluorene	6.05	1.8	0.19	mg/kg dry	7.22	<1.8	62.0	62.8-92.6			QM-05
N-Nitrosodi-n-propylamine	5.16	1.8	0.18	mg/kg dry	7.22	<1.8	71.5	46.9-89.9			
Pentachlorophenol	6.09	3.6	0.42	mg/kg dry	7.22	<3.6	84.5	40.1-95.1			
Phenanthrene	9.75	1.8	0.19	mg/kg dry	7.22	10.4	NR	65.2-92.2			QM-05
Phenol	5.02	3.6	0.37	mg/kg dry	7.22	<3.6	69.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102951 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0607 - EPA 3545 ASE Extraction

Matrix Spike (B1G0607-MS1)

Source: 1102864-12

Prepared: 07/06/11

Analyzed: 07/08/11

Surrogate: 2,4,6-Tribromophenol	5.18			mg/kg dry	7.22		71.8	53-107			
Surrogate: 2-Fluorobiphenyl	4.75			mg/kg dry	7.22		65.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.80			mg/kg dry	7.22		66.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.79			mg/kg dry	7.22		66.4	48.9-100			
Surrogate: Phenol-d6	5.00			mg/kg dry	7.22		69.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.31			mg/kg dry	7.22		73.6	51-99.6			

Matrix Spike Dup (B1G0607-MSD1)

Source: 1102864-12

Prepared: 07/06/11

Analyzed: 07/08/11

1,2,4-Trichlorobenzene	4.30	1.8	0.17	mg/kg dry	7.16	<1.8	60.1	44.8-97.9	4.96	19.6	
1,4-Dichlorobenzene	4.17	1.8	0.16	mg/kg dry	7.16	<1.8	58.2	42.3-77.9	5.73	22.4	
2,4-Dinitrotoluene	5.06	1.8	0.19	mg/kg dry	7.16	<1.8	70.6	57.3-86.6	0.745	19.5	
2-Chlorophenol	4.63	3.6	0.32	mg/kg dry	7.16	<3.6	64.6	43.3-93.2	6.50	23.7	
4-Chloro-3-methylphenol	5.46	3.6	0.35	mg/kg dry	7.16	<3.6	76.2	47.1-97.6	2.68	18.3	
4-Nitrophenol	5.24	3.6	0.50	mg/kg dry	7.16	<3.6	73.2	49.3-96.2	6.08	20.4	
Anthracene	6.52	1.8	0.19	mg/kg dry	7.16	2.94	49.9	67.5-93.1	2.91	19.9	QM-05
Benzo(a)anthracene	8.37	1.8	0.22	mg/kg dry	7.16	4.78	50.1	59.8-95.7	4.33	23.4	QM-05
Benzo(a)pyrene	7.40	1.8	0.23	mg/kg dry	7.16	3.79	50.4	59.8-92.7	3.68	21.1	QM-05
Chrysene	8.58	1.8	0.24	mg/kg dry	7.16	5.24	46.7	62.5-94.6	2.74	24.8	QM-05
Fluoranthene	10.3	1.8	0.21	mg/kg dry	7.16	9.77	7.92	61.3-92.8	4.04	21.8	QM-05
Fluorene	5.79	1.8	0.19	mg/kg dry	7.16	<1.8	58.7	62.8-92.6	4.44	17.6	QM-05
N-Nitrosodi-n-propylamine	4.79	1.8	0.18	mg/kg dry	7.16	<1.8	66.9	46.9-89.9	7.32	18.9	
Pentachlorophenol	5.85	3.6	0.42	mg/kg dry	7.16	<3.6	81.7	40.1-95.1	4.10	19.7	
Phenanthrene	9.40	1.8	0.19	mg/kg dry	7.16	10.4	NR	65.2-92.2	3.59	20.5	QM-05
Phenol	4.73	3.6	0.37	mg/kg dry	7.16	<3.6	66.1	44.7-91	5.99	17.9	
Surrogate: 2,4,6-Tribromophenol	5.18			mg/kg dry	7.16		72.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.69			mg/kg dry	7.16		65.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.52			mg/kg dry	7.16		63.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.82			mg/kg dry	7.16		67.3	48.9-100			
Surrogate: Phenol-d6	4.82			mg/kg dry	7.16		67.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.16			mg/kg dry	7.16		72.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102951 Date Reported: 07/19/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0612 - General Prep											
Duplicate (B1G0612-DUP1)		Source: 1102925-01				Prepared & Analyzed: 07/06/11					
Flashpoint	>140			°F		0.00				5	
Reference (B1G0612-SRM1)											
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102951 Date Reported: 07/19/11
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Notes and Definitions

- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 7319-1092-48R1 S1D
Project Name: Umar RE - GOW East
Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 36469

COC 1 of 2
Project Manager: JME
Project OC Contact: AAN
Sampled by: KCS/AKS
Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Collection Time (hh:mm)	Total Number of Containers
						Water	Soil	Other		
E7-S51	0.5	0.5	FT	6/23/2011	16:00	X	X			4 Analyze for PCBs, PAHs, Pesticides, Heavy Metals
E7-S52	0.5	0.5	FT		16:15	X	X			4
E7-S53	0.5	0.5	FT		16:25	X	X			3 Analyze for PCBs, PAHs, Pesticides

Number of Containers/Preservative

Water		Soil											
Disinfectant	Preservative	VOCs (HCL) #1	SVOCS (unpreserved) #2	Total Metals (FMO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	VOCs (lured MeOH) #1	GR0, BTEX (lured MeOH) #1	DRO (lured unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)

Received by: JME Date: 6/24/11 Time: 16:10
Received by: [Signature] Date: 6/24/11 Time: 16:10

Samples Shipped Via: Air Freight Federal Express Sampler
 Other:

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator 5.2° RR

Common Parameter/Container - Preservation Key

- 1 - Volatile Organics = BTEX, GRG, TPH, 8260 Full List
- 2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- 3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- 4 - Nutrients = COD, TOC, Phos, Ammonia Nitrogen, TKN

Replacement COC



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 11, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102952
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/24/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Bach Pham".

Bach Pham
Report Reviewer
bpham@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102952 Date Reported: 07/11/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
706A-SS1_0.5-0.5	1102952-01	Soil	06/23/11 16:45	06/24/11 16:10

Shipping Container Information

Default Cooler Temperature (°C): 5.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

Recoveries for 8270 matrix spike compounds anthracene in the batch B1G0503 MS and fluorene in the MS/MSD were below laboratory limits. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS.

Recoveries for the 8270 surrogates 2-fluorophenol in sample 706A-SS1_0.5-0.5 and 2-fluorobiphenyl in the batch B1G0503 MS/MSD were below laboratory limits

Recovery for mercury in the MS sample and the corresponding %RPD were above the laboratory control limits. The LCS/LCSD/MSD samples and the LCS/LCSD %RPD were within limits. The MS/MSD source sample was not associated with this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102952 Date Reported: 07/11/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-SS1_0.5-0.5 (1102952-01) Soil Sampled: 06/23/11 16:45 Received: 06/24/11 16:10										
Arsenic	3.3	0.53	0.059	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	53	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	10	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	9.2	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	0.11	0.11	0.020	mg/kg dry	1	B1G0102	07/01/11	07/06/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102952 Date Reported: 07/11/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-SS1_0.5-0.5 (1102952-01) Soil Sampled: 06/23/11 16:45 Received: 06/24/11 16:10										
% Solids	88			%	1	B1G0508	07/05/11	07/05/11	% calculation	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102952
 Date Reported: 07/11/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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706A-SS1_0.5-0.5 (1102952-01) Soil Sampled: 06/23/11 16:45 Received: 06/24/11 16:10

1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102952 Date Reported: 07/11/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-SS1_0.5-0.5 (1102952-01) Soil Sampled: 06/23/11 16:45 Received: 06/24/11 16:10										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G0503	07/05/11	07/06/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	61.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	53.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	42.0			42.5-94.9 %		"	"	"	"	S-GC
Surrogate: Nitrobenzene-d5	51.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	51.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	55.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102952 Date Reported: 07/11/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0102 - EPA 7471A											
Blank (B1G0102-BLK1)						Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0102-BS1)						Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.197	0.10	0.019	mg/kg wet	0.200		98.5	80-120			
LCS Dup (B1G0102-BSD1)						Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.197	0.10	0.019	mg/kg wet	0.200		98.5	80-120	0.00	20	
Matrix Spike (B1G0102-MS1)						Source: 1102850-01 Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.394	0.11	0.020	mg/kg dry	0.214	<0.11	144	75-125			M1
Matrix Spike Dup (B1G0102-MSD1)						Source: 1102850-01 Prepared: 07/01/11 Analyzed: 07/06/11					
Mercury	0.300	0.11	0.020	mg/kg dry	0.208	<0.11	103	75-125	27.0	20	QR-04
Batch B1G0714 - EPA 3050B											
Blank (B1G0714-BLK1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0714-BS1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	43.3	1.0	0.060	mg/kg wet	39.9		109	80-120			
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.0	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	41.5	1.0	0.095	mg/kg wet	39.9		104	80-120			
Silver	4.09	0.25	0.016	mg/kg wet	3.99		103	80-120			
LCS Dup (B1G0714-BSD1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120	0.126	20	
Barium	43.1	1.0	0.060	mg/kg wet	39.9		108	80-120	0.575	20	
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120	0.0230	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120	0.0360	20	
Lead	40.8	1.0	0.14	mg/kg wet	39.9		102	80-120	0.409	20	
Selenium	41.4	1.0	0.095	mg/kg wet	39.9		104	80-120	0.0976	20	
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120	1.51	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102952 Date Reported: 07/11/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0714 - EPA 3050B											
Matrix Spike (B1G0714-MS1)		Source: 1102962-01			Prepared: 07/07/11		Analyzed: 07/11/11				
Arsenic	42.4	0.49	0.054	mg/kg dry	39.0	2.90	101	75-125			
Barium	80.6	0.98	0.059	mg/kg dry	39.0	36.4	113	75-125			
Cadmium	39.5	0.24	0.032	mg/kg dry	39.0	<0.24	101	75-125			
Chromium	49.6	0.49	0.012	mg/kg dry	39.0	13.3	92.9	75-125			
Lead	39.4	0.98	0.14	mg/kg dry	39.0	3.14	92.9	75-125			
Selenium	38.2	0.98	0.093	mg/kg dry	39.0	<0.98	97.9	75-125			
Silver	3.81	0.24	0.016	mg/kg dry	3.90	<0.24	97.5	75-125			
Matrix Spike Dup (B1G0714-MSD1)											
Matrix Spike Dup (B1G0714-MSD1)		Source: 1102962-01			Prepared: 07/07/11		Analyzed: 07/11/11				
Arsenic	42.0	0.49	0.054	mg/kg dry	38.9	2.90	101	75-125	0.977	20	
Barium	73.9	0.97	0.058	mg/kg dry	38.9	36.4	96.4	75-125	8.66	20	
Cadmium	39.4	0.24	0.032	mg/kg dry	38.9	<0.24	101	75-125	0.353	20	
Chromium	50.5	0.49	0.012	mg/kg dry	38.9	13.3	95.7	75-125	1.85	20	
Lead	39.1	0.97	0.14	mg/kg dry	38.9	3.14	92.6	75-125	0.664	20	
Selenium	38.4	0.97	0.093	mg/kg dry	38.9	<0.97	98.7	75-125	0.398	20	
Silver	3.82	0.24	0.016	mg/kg dry	3.89	<0.24	98.2	75-125	0.300	20	

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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0508 - General Preparation											
Duplicate (B1G0508-DUP1)											
% Solids	97.0			%		97.0			0.00	20	
Source: 1102869-10						Prepared & Analyzed: 07/05/11					
Duplicate (B1G0508-DUP2)											
% Solids	88.0			%		86.0			2.30	20	
Source: 1102932-02						Prepared & Analyzed: 07/05/11					
Duplicate (B1G0508-DUP3)											
% Solids	78.0			%		79.0			1.27	20	
Source: 1102951-02						Prepared & Analyzed: 07/05/11					
Duplicate (B1G0508-DUP4)											
% Solids	89.0			%		88.0			1.13	20	
Source: 1102952-01						Prepared & Analyzed: 07/05/11					

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102952 Date Reported: 07/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

Blank (B1G0503-BLK1)

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102952 Date Reported: 07/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

Blank (B1G0503-BLK1)

Prepared: 07/05/11 Analyzed: 07/06/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.30			mg/kg wet	6.67		64.4	53-107			
Surrogate: 2-Fluorobiphenyl	3.85			mg/kg wet	6.67		57.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.37			mg/kg wet	6.67		50.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg wet	6.67		58.9	48.9-100			
Surrogate: Phenol-d6	3.91			mg/kg wet	6.67		58.7	50.4-99.6			
Surrogate: Terphenyl-d14	4.62			mg/kg wet	6.67		69.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102952 Date Reported: 07/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

LCS (B1G0503-BS1)

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	4.13	0.33	0.031	mg/kg wet	6.67		62.0	59.1-87.7			
1,4-Dichlorobenzene	3.47	0.33	0.029	mg/kg wet	6.67		52.1	50.3-72.9			
2,4-Dinitrotoluene	4.60	0.33	0.035	mg/kg wet	6.67		69.0	59.8-82.2			
2-Chlorophenol	4.20	0.67	0.060	mg/kg wet	6.67		63.0	59.7-77.3			
4-Chloro-3-methylphenol	4.60	0.67	0.066	mg/kg wet	6.67		68.9	63.6-80.4			
4-Nitrophenol	4.96	0.67	0.093	mg/kg wet	6.67		74.4	57.3-84.9			
Anthracene	5.20	0.33	0.036	mg/kg wet	6.67		78.0	67.3-88			
Benzo(a)anthracene	5.65	0.33	0.041	mg/kg wet	6.67		84.8	66.5-90.5			
Benzo(a)pyrene	5.34	0.33	0.042	mg/kg wet	6.67		80.1	66.1-89.7			
Chrysene	5.72	0.33	0.044	mg/kg wet	6.67		85.8	65.5-90.5			
Fluoranthene	5.09	0.33	0.039	mg/kg wet	6.67		76.4	66.7-89.9			
Fluorene	4.75	0.33	0.035	mg/kg wet	6.67		71.3	66.2-85.6			
N-Nitrosodi-n-propylamine	4.16	0.33	0.033	mg/kg wet	6.67		62.3	59.4-78			
Pentachlorophenol	5.15	0.67	0.078	mg/kg wet	6.67		77.2	46.7-83.2			
Phenanthrene	5.29	0.33	0.036	mg/kg wet	6.67		79.4	67.5-87.9			
Phenol	4.14	0.67	0.069	mg/kg wet	6.67		62.0	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.13			mg/kg wet	6.67		76.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.25			mg/kg wet	6.67		63.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.48			mg/kg wet	6.67		52.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.12			mg/kg wet	6.67		61.8	48.9-100			
Surrogate: Phenol-d6	4.28			mg/kg wet	6.67		64.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.28			mg/kg wet	6.67		79.2	51-99.6			

Matrix Spike (B1G0503-MS1)

Source: 1102925-02

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	3.56	0.34	0.032	mg/kg dry	6.87	<0.34	51.8	44.8-97.9			
1,4-Dichlorobenzene	3.24	0.34	0.030	mg/kg dry	6.87	<0.34	47.1	42.3-77.9			
2,4-Dinitrotoluene	4.00	0.34	0.036	mg/kg dry	6.87	<0.34	58.1	57.3-86.6			
2-Chlorophenol	3.46	0.69	0.062	mg/kg dry	6.87	<0.69	50.4	43.3-93.2			
4-Chloro-3-methylphenol	3.50	0.69	0.068	mg/kg dry	6.87	<0.69	51.0	47.1-97.6			
4-Nitrophenol	4.14	0.69	0.096	mg/kg dry	6.87	<0.69	60.2	49.3-96.2			
Anthracene	4.57	0.34	0.037	mg/kg dry	6.87	<0.34	66.5	67.5-93.1			M2
Benzo(a)anthracene	4.97	0.34	0.042	mg/kg dry	6.87	<0.34	72.3	59.8-95.7			
Benzo(a)pyrene	4.74	0.34	0.043	mg/kg dry	6.87	<0.34	68.9	59.8-92.7			
Chrysene	4.99	0.34	0.045	mg/kg dry	6.87	<0.34	72.6	62.5-94.6			
Fluoranthene	4.61	0.34	0.040	mg/kg dry	6.87	<0.34	67.1	61.3-92.8			
Fluorene	3.95	0.34	0.036	mg/kg dry	6.87	<0.34	57.4	62.8-92.6			M2
N-Nitrosodi-n-propylamine	3.64	0.34	0.034	mg/kg dry	6.87	<0.34	53.0	46.9-89.9			
Pentachlorophenol	4.35	0.69	0.080	mg/kg dry	6.87	<0.69	63.3	40.1-95.1			
Phenanthrene	4.56	0.34	0.037	mg/kg dry	6.87	<0.34	66.4	65.2-92.2			
Phenol	3.44	0.69	0.071	mg/kg dry	6.87	<0.69	50.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102952 Date Reported: 07/11/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0503 - EPA 3545 ASE Extraction

Matrix Spike (B1G0503-MS1)

Source: 1102925-02

Prepared: 07/05/11

Analyzed: 07/06/11

Surrogate: 2,4,6-Tribromophenol	4.36			mg/kg dry	6.87		63.5	53-107			
Surrogate: 2-Fluorobiphenyl	3.58			mg/kg dry	6.87		52.1	53.9-97.9			S-GC
Surrogate: 2-Fluorophenol	3.16			mg/kg dry	6.87		46.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.65			mg/kg dry	6.87		53.1	48.9-100			
Surrogate: Phenol-d6	3.80			mg/kg dry	6.87		55.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.68			mg/kg dry	6.87		68.1	51-99.6			

Matrix Spike Dup (B1G0503-MSD1)

Source: 1102925-02

Prepared: 07/05/11

Analyzed: 07/06/11

1,2,4-Trichlorobenzene	3.61	0.34	0.032	mg/kg dry	6.90	<0.34	52.4	44.8-97.9	1.52	19.6	
1,4-Dichlorobenzene	3.28	0.34	0.030	mg/kg dry	6.90	<0.34	47.6	42.3-77.9	1.40	22.4	
2,4-Dinitrotoluene	4.16	0.34	0.036	mg/kg dry	6.90	<0.34	60.3	57.3-86.6	3.90	19.5	
2-Chlorophenol	3.48	0.69	0.062	mg/kg dry	6.90	<0.69	50.5	43.3-93.2	0.571	23.7	
4-Chloro-3-methylphenol	3.52	0.69	0.068	mg/kg dry	6.90	<0.69	51.1	47.1-97.6	0.489	18.3	
4-Nitrophenol	4.22	0.69	0.096	mg/kg dry	6.90	<0.69	61.2	49.3-96.2	1.90	20.4	
Anthracene	4.70	0.34	0.037	mg/kg dry	6.90	<0.34	68.2	67.5-93.1	2.82	19.9	
Benzo(a)anthracene	5.20	0.34	0.042	mg/kg dry	6.90	<0.34	75.4	59.8-95.7	4.52	23.4	
Benzo(a)pyrene	4.92	0.34	0.043	mg/kg dry	6.90	<0.34	71.4	59.8-92.7	3.92	21.1	
Chrysene	5.19	0.34	0.045	mg/kg dry	6.90	<0.34	75.3	62.5-94.6	3.96	24.8	
Fluoranthene	4.76	0.34	0.040	mg/kg dry	6.90	<0.34	69.0	61.3-92.8	3.13	21.8	
Fluorene	4.04	0.34	0.036	mg/kg dry	6.90	<0.34	58.5	62.8-92.6	2.20	17.6	M2
N-Nitrosodi-n-propylamine	3.62	0.34	0.034	mg/kg dry	6.90	<0.34	52.4	46.9-89.9	0.790	18.9	
Pentachlorophenol	4.35	0.69	0.080	mg/kg dry	6.90	<0.69	63.1	40.1-95.1	0.00134	19.7	
Phenanthrene	4.75	0.34	0.037	mg/kg dry	6.90	<0.34	68.9	65.2-92.2	4.08	20.5	
Phenol	3.42	0.69	0.071	mg/kg dry	6.90	<0.69	49.6	44.7-91	0.531	17.9	
Surrogate: 2,4,6-Tribromophenol	4.51			mg/kg dry	6.90		65.3	53-107			
Surrogate: 2-Fluorobiphenyl	3.59			mg/kg dry	6.90		52.1	53.9-97.9			S-GC
Surrogate: 2-Fluorophenol	3.19			mg/kg dry	6.90		46.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.71			mg/kg dry	6.90		53.8	48.9-100			
Surrogate: Phenol-d6	3.81			mg/kg dry	6.90		55.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.89			mg/kg dry	6.90		70.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102952 Date Reported: 07/11/11
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Notes and Definitions

- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- QR-04 The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
- M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
- M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
BARR Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 23/19-1092-48RE S10
Project Name: Under RS - ABC Land
Sample Origin State: MN (use two letter postal state abbreviation)

COC # 33964

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hr:am)	Matrix		Type
						Water	Soil	
1-706A-SS1	0.5	0.5	ft	6/23/10	16:45	X	X	Soil
2-48-2						X	X	Soil
3-								
4-								
5-								
6-								
7-								
8-								
9-								
10-								

COC # 2 of 2

Project Manager: JME
Project QC Contact: AAN
Sampled by: KCB/ARB
Laboratory: Legend

Total Number of Containers: 3

Water: VOCs (tarred MeOH) #1, GRO, BTEX (tarred MeOH) #1, DRO (tarred unpreserved), Metals (unpreserved), SVOCs (unpreserved) #2, Solids (plastic vial, unpres.)

Soil: VOCs (tarred MeOH) #1, GRO, BTEX (tarred MeOH) #1, DRO (tarred unpreserved), Metals (unpreserved), SVOCs (unpreserved) #2, Solids (plastic vial, unpres.)

Relinquished By: [Signature] Date: 6-24-11 Time: 15:00

Received By: [Signature] Date: 6/24/11 Time: 16:10

On Ice? Y N

Federal Express Air Freight Other:

Replacement COC

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, XRO Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, BZB
Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfide
#4 - Nutrients = COD, TOC, Phosols, Ammonia Nitrogen, TKN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

BULK MATERIAL ASBESTOS ANALYSIS REPORT

Client: Mr. Jim Eidem
Barr Engineering Co.
4700 West 77th Street
Minneapolis, MN 55435-4803

Report Date: 7/1/11

Project No.: 1102959

Client Project: 23191092.00 48R1 810 - UMORE EAST R1

Date Received: 6/30/11

Date Analyzed: 7/1/11

SAMPLE NO.	LAB NO.	SAMPLE DESCRIPTION	ASBESTOS TYPE (%)	OTHER MATERIAL (%)
237G	1102959 - 1	237G White, Cementitious/Fibrous Heterogeneous	15% Chrysotile 5% Amosite	62% Nonfibrous 15% Glass Fibers 3% Cellulose

The analysis was performed in accordance with current U.S. Environmental Protection Agency (USEPA) protocols, "Method for the Determination of Asbestos in Bulk Building Materials," EPA 600/R-93/116, 1993. All reported percentages are by visual estimates. In the case of nonhomogeneous samples, each material or layer is analyzed separately and the reported percentages are based on the total sample as received, unless other instructions are received from the client. The samples were received in acceptable condition.

NVLAP Laboratory Accreditation Number: 102081-0

ANALYST:



Todd Giorgi
Microscopist

- This document cannot be duplicated, except in its entirety, without the express written authorization from LEGEND TECHNICAL SERVICES, INC.
- This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.
- This report relates only to the above items tested.



Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

1102959

Project Number: 23191092.00 487I 810

Project Name: UMOKE East RI

Sample Origination State MN (use two letter postal state abbreviation)

COC Number: **No 37367**

		Number of Containers/Preservative														COC <u>1</u> of <u>1</u>								
		Water							Soil							Total Number Of Containers								
Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix	Type	VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1			GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	ASbestos	
1. 237G	0.5	0.5	ft	6/28/2011	11:00	Water	Soil	X	X												X		2	
2.																								
3.																								
4.																								
5.																								
6.																								
7.																								
8.																								
9.																								
10.																								

Project Manager: JME

Project QC Contact: AAN

Sampled by: JME

Laboratory: Legend

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By:	On Ice? <input checked="" type="radio"/> Y <input type="radio"/> N	Date	Time	Received by:	Date	Time
		6-30-11	16:15			
Relinquished By:	On Ice? <input type="radio"/> Y <input type="radio"/> N	Date	Time	Received by:	Date	Time
					6/30/11	1615
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other: _____				Air Bill Number: <u>on ice</u>		

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

UMP015424



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 14, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102960
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/30/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MSATC2-TT1_0.5-0.5	1102960-01	Soil	06/29/11 15:45	06/30/11 10:00
MSATC2-TT1_5-5	1102960-02	Soil	06/29/11 16:15	06/30/11 10:00

Shipping Container Information

Default Cooler Temperature (°C): 2.7

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

Recovery for the 8270 surrogate phenol-d6 was below laboratory limits in sample MSATC2-TT1_5-5.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MSATC2-TT1_0.5-0.5 (1102960-01) Soil Sampled: 06/29/11 15:45 Received: 06/30/11 10:00										
Arsenic	4.2	0.55	0.060	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	60	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	13	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	21	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	0.15	0.10	0.019	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
MSATC2-TT1_5-5 (1102960-02) Soil Sampled: 06/29/11 16:15 Received: 06/30/11 10:00										
Arsenic	2.6	0.52	0.057	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	25	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	14	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.4	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.091	0.091	0.017	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MSATC2-TT1_0.5-0.5 (1102960-01RE1) Soil Sampled: 06/29/11 15:45 Received: 06/30/11 10:00										
Aroclor 1016	<0.22	0.22	0.0087	mg/kg dry	1	B1G1403	07/11/11	07/14/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.044	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.044	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.22	0.22	0.0065	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	100			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	97.5			60.9-138 %		"	"	"	"	

MSATC2-TT1_5-5 (1102960-02) Soil Sampled: 06/29/11 16:15 Received: 06/30/11 10:00										
Aroclor 1016	<0.21	0.21	0.0081	mg/kg dry	1	B1G1110	07/11/11	07/12/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	96.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	91.5			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MSATC2-TT1_0.5-0.5 (1102960-01) Soil Sampled: 06/29/11 15:45 Received: 06/30/11 10:00										
% Solids	91			%	1	B1G0621	07/06/11	07/06/11	% calculation	
MSATC2-TT1_5-5 (1102960-02) Soil Sampled: 06/29/11 16:15 Received: 06/30/11 10:00										
% Solids	97			%	1	B1G0621	07/06/11	07/06/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MSATC2-TT1_0.5-0.5 (1102960-01) Soil Sampled: 06/29/11 15:45 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MSATC2-TT1_0.5-0.5 (1102960-01) Soil Sampled: 06/29/11 15:45 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.075	0.36	0.043	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.047	0.36	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	0.069	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	59.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	60.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	50.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	55.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	54.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MSATC2-TT1_5-5 (1102960-02) Soil Sampled: 06/29/11 16:15 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MSATC2-TT1_5-5 (1102960-02) Soil Sampled: 06/29/11 16:15 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	65.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	54.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	47.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	52.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	49.7			50.4-99.6 %		"	"	"	"	S-GC
Surrogate: Terphenyl-d14	83.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0711 - EPA 7471A											
Blank (B1G0711-BLK1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0711-BS1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.186	0.10	0.019	mg/kg wet	0.200		93.0	80-120			
LCS Dup (B1G0711-BSD1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.187	0.10	0.019	mg/kg wet	0.200		93.5	80-120	0.536	20	
Matrix Spike (B1G0711-MS1)						Source: 1102930-01 Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.279	0.12	0.023	mg/kg dry	0.241	<0.12	102	75-125			
Matrix Spike Dup (B1G0711-MSD1)						Source: 1102930-01 Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.253	0.12	0.023	mg/kg dry	0.236	<0.12	93.3	75-125	9.69	20	
Batch B1G0714 - EPA 3050B											
Blank (B1G0714-BLK1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0714-BS1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	43.3	1.0	0.060	mg/kg wet	39.9		109	80-120			
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.0	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	41.5	1.0	0.095	mg/kg wet	39.9		104	80-120			
Silver	4.09	0.25	0.016	mg/kg wet	3.99		103	80-120			
LCS Dup (B1G0714-BSD1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120	0.126	20	
Barium	43.1	1.0	0.060	mg/kg wet	39.9		108	80-120	0.575	20	
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120	0.0230	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120	0.0360	20	
Lead	40.8	1.0	0.14	mg/kg wet	39.9		102	80-120	0.409	20	
Selenium	41.4	1.0	0.095	mg/kg wet	39.9		104	80-120	0.0976	20	
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120	1.51	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0714 - EPA 3050B											
Matrix Spike (B1G0714-MS1)		Source: 1102962-01			Prepared: 07/07/11		Analyzed: 07/11/11				
Arsenic	42.4	0.49	0.054	mg/kg dry	39.0	2.90	101	75-125			
Barium	80.6	0.98	0.059	mg/kg dry	39.0	36.4	113	75-125			
Cadmium	39.5	0.24	0.032	mg/kg dry	39.0	<0.24	101	75-125			
Chromium	49.6	0.49	0.012	mg/kg dry	39.0	13.3	92.9	75-125			
Lead	39.4	0.98	0.14	mg/kg dry	39.0	3.14	92.9	75-125			
Selenium	38.2	0.98	0.093	mg/kg dry	39.0	<0.98	97.9	75-125			
Silver	3.81	0.24	0.016	mg/kg dry	3.90	<0.24	97.5	75-125			
Matrix Spike Dup (B1G0714-MSD1)											
Matrix Spike Dup (B1G0714-MSD1)		Source: 1102962-01			Prepared: 07/07/11		Analyzed: 07/11/11				
Arsenic	42.0	0.49	0.054	mg/kg dry	38.9	2.90	101	75-125	0.977	20	
Barium	73.9	0.97	0.058	mg/kg dry	38.9	36.4	96.4	75-125	8.66	20	
Cadmium	39.4	0.24	0.032	mg/kg dry	38.9	<0.24	101	75-125	0.353	20	
Chromium	50.5	0.49	0.012	mg/kg dry	38.9	13.3	95.7	75-125	1.85	20	
Lead	39.1	0.97	0.14	mg/kg dry	38.9	3.14	92.6	75-125	0.664	20	
Selenium	38.4	0.97	0.093	mg/kg dry	38.9	<0.97	98.7	75-125	0.398	20	
Silver	3.82	0.24	0.016	mg/kg dry	3.89	<0.24	98.2	75-125	0.300	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1110 - EPA 3545 ASE Extraction

Blank (B1G1110-BLK1)

Prepared: 07/11/11 Analyzed: 07/12/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0660			mg/kg wet	0.0667		99.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0610			mg/kg wet	0.0667		91.5	60.9-138			

LCS (B1G1110-BS1)

Prepared: 07/11/11 Analyzed: 07/12/11

Aroclor 1260	0.337	0.20	0.0059	mg/kg wet	0.333		101	70-130			
Surrogate: Decachlorobiphenyl	0.0660			mg/kg wet	0.0667		99.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0610			mg/kg wet	0.0667		91.5	60.9-138			

Matrix Spike (B1G1110-MS1)

Source: 1102962-02

Prepared: 07/11/11 Analyzed: 07/12/11

Aroclor 1260	0.352	0.20	0.0060	mg/kg dry	0.344	<0.20	102	70-130			
Surrogate: Decachlorobiphenyl	0.0685			mg/kg dry	0.0688		99.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0630			mg/kg dry	0.0688		91.5	60.9-138			

Matrix Spike Dup (B1G1110-MSD1)

Source: 1102962-02

Prepared: 07/11/11 Analyzed: 07/12/11

Aroclor 1260	0.354	0.20	0.0060	mg/kg dry	0.340	<0.20	104	70-130	0.508	17.2	
Surrogate: Decachlorobiphenyl	0.0680			mg/kg dry	0.0680		100	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0633			mg/kg dry	0.0680		93.0	60.9-138			

Batch B1G1403 - EPA 3545 ASE Extraction

Blank (B1G1403-BLK1)

Prepared & Analyzed: 07/14/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0643			mg/kg wet	0.0667		96.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0637			mg/kg wet	0.0667		95.5	60.9-138			

LCS (B1G1403-BS1)

Prepared & Analyzed: 07/14/11

Aroclor 1260	0.313	0.20	0.0059	mg/kg wet	0.333		94.0	70-130			
Surrogate: Decachlorobiphenyl	0.0640			mg/kg wet	0.0667		96.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0623			mg/kg wet	0.0667		93.5	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1403 - EPA 3545 ASE Extraction

Matrix Spike (B1G1403-MS1)

Source: 1102960-01RE1 Prepared & Analyzed: 07/14/11

Aroclor 1260	0.404	0.22	0.0065	mg/kg dry	0.368	<0.22	110	70-130			
Surrogate: Decachlorobiphenyl	0.0718			mg/kg dry	0.0737		97.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0718			mg/kg dry	0.0737		97.5	60.9-138			

Matrix Spike Dup (B1G1403-MSD1)

Source: 1102960-01RE1 Prepared & Analyzed: 07/14/11

Aroclor 1260	0.393	0.22	0.0065	mg/kg dry	0.371	<0.22	106	70-130	2.66	17.2	
Surrogate: Decachlorobiphenyl	0.0708			mg/kg dry	0.0741		95.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0697			mg/kg dry	0.0741		94.0	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G0621 - General Preparation												
Duplicate (B1G0621-DUP1)							Source: 1102924-03					Prepared & Analyzed: 07/06/11
% Solids	91.0			%		88.0			3.35	20		
Duplicate (B1G0621-DUP2)							Source: 1102930-06					Prepared & Analyzed: 07/06/11
% Solids	81.0			%		81.0			0.00	20		
Duplicate (B1G0621-DUP3)							Source: 1102962-04					Prepared & Analyzed: 07/06/11
% Solids	97.0			%		98.0			1.03	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Blank (B1G1101-BLK1)

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Blank (B1G1101-BLK1)

Prepared & Analyzed: 07/11/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.40			mg/kg wet	6.67		66.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.09			mg/kg wet	6.67		61.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.78			mg/kg wet	6.67		56.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.99			mg/kg wet	6.67		59.8	48.9-100			
Surrogate: Phenol-d6	4.07			mg/kg wet	6.67		61.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.46			mg/kg wet	6.67		81.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

LCS (B1G1101-BS1)

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.75	0.33	0.031	mg/kg wet	6.67		71.2	59.1-87.7			
1,4-Dichlorobenzene	4.75	0.33	0.029	mg/kg wet	6.67		71.3	50.3-72.9			
2,4-Dinitrotoluene	5.46	0.33	0.035	mg/kg wet	6.67		81.9	59.8-82.2			
2-Chlorophenol	4.91	0.67	0.060	mg/kg wet	6.67		73.7	59.7-77.3			
4-Chloro-3-methylphenol	5.13	0.67	0.066	mg/kg wet	6.67		76.9	63.6-80.4			
4-Nitrophenol	5.23	0.67	0.093	mg/kg wet	6.67		78.5	57.3-84.9			
Anthracene	5.80	0.33	0.036	mg/kg wet	6.67		87.0	67.3-88			
Benzo(a)anthracene	5.83	0.33	0.041	mg/kg wet	6.67		87.4	66.5-90.5			
Benzo(a)pyrene	5.91	0.33	0.042	mg/kg wet	6.67		88.7	66.1-89.7			
Chrysene	5.82	0.33	0.044	mg/kg wet	6.67		87.3	65.5-90.5			
Fluoranthene	5.79	0.33	0.039	mg/kg wet	6.67		86.8	66.7-89.9			
Fluorene	5.56	0.33	0.035	mg/kg wet	6.67		83.4	66.2-85.6			
N-Nitrosodi-n-propylamine	5.15	0.33	0.033	mg/kg wet	6.67		77.3	59.4-78			
Pentachlorophenol	4.19	0.67	0.078	mg/kg wet	6.67		62.9	46.7-83.2			
Phenanthrene	5.78	0.33	0.036	mg/kg wet	6.67		86.7	67.5-87.9			
Phenol	5.00	0.67	0.069	mg/kg wet	6.67		75.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.03			mg/kg wet	6.67		75.4	53-107			
Surrogate: 2-Fluorobiphenyl	5.15			mg/kg wet	6.67		77.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.84			mg/kg wet	6.67		72.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.97			mg/kg wet	6.67		74.6	48.9-100			
Surrogate: Phenol-d6	5.15			mg/kg wet	6.67		77.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.33			mg/kg wet	6.67		79.9	51-99.6			

Matrix Spike (B1G1101-MS1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.85	0.37	0.034	mg/kg dry	7.45	<0.37	65.1	44.8-97.9			
1,4-Dichlorobenzene	4.88	0.37	0.032	mg/kg dry	7.45	<0.37	65.5	42.3-77.9			
2,4-Dinitrotoluene	5.58	0.37	0.039	mg/kg dry	7.45	<0.37	74.9	57.3-86.6			
2-Chlorophenol	4.98	0.74	0.067	mg/kg dry	7.45	<0.74	66.8	43.3-93.2			
4-Chloro-3-methylphenol	5.30	0.74	0.073	mg/kg dry	7.45	<0.74	71.2	47.1-97.6			
4-Nitrophenol	5.53	0.74	0.10	mg/kg dry	7.45	<0.74	74.3	49.3-96.2			
Anthracene	5.97	0.37	0.040	mg/kg dry	7.45	<0.37	80.2	67.5-93.1			
Benzo(a)anthracene	6.04	0.37	0.046	mg/kg dry	7.45	<0.37	81.1	59.8-95.7			
Benzo(a)pyrene	6.12	0.37	0.047	mg/kg dry	7.45	<0.37	82.1	59.8-92.7			
Chrysene	6.05	0.37	0.049	mg/kg dry	7.45	<0.37	81.3	62.5-94.6			
Fluoranthene	5.98	0.37	0.043	mg/kg dry	7.45	<0.37	80.3	61.3-92.8			
Fluorene	5.66	0.37	0.039	mg/kg dry	7.45	<0.37	76.1	62.8-92.6			
N-Nitrosodi-n-propylamine	5.17	0.37	0.037	mg/kg dry	7.45	<0.37	69.5	46.9-89.9			
Pentachlorophenol	4.74	0.74	0.087	mg/kg dry	7.45	<0.74	63.7	40.1-95.1			
Phenanthrene	5.96	0.37	0.040	mg/kg dry	7.45	<0.37	80.0	65.2-92.2			
Phenol	5.09	0.74	0.077	mg/kg dry	7.45	<0.74	68.3	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Matrix Spike (B1G1101-MS1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

Surrogate: 2,4,6-Tribromophenol	5.21			mg/kg dry	7.45		69.9	53-107			
Surrogate: 2-Fluorobiphenyl	5.23			mg/kg dry	7.45		70.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.97			mg/kg dry	7.45		66.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.19			mg/kg dry	7.45		69.7	48.9-100			
Surrogate: Phenol-d6	5.31			mg/kg dry	7.45		71.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.48			mg/kg dry	7.45		73.6	51-99.6			

Matrix Spike Dup (B1G1101-MSD1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	5.28	0.37	0.034	mg/kg dry	7.45	<0.37	70.9	44.8-97.9	8.53	19.6	
1,4-Dichlorobenzene	5.13	0.37	0.032	mg/kg dry	7.45	<0.37	68.9	42.3-77.9	5.07	22.4	
2,4-Dinitrotoluene	6.08	0.37	0.039	mg/kg dry	7.45	<0.37	81.6	57.3-86.6	8.60	19.5	
2-Chlorophenol	5.43	0.74	0.067	mg/kg dry	7.45	<0.74	72.8	43.3-93.2	8.63	23.7	
4-Chloro-3-methylphenol	5.76	0.74	0.073	mg/kg dry	7.45	<0.74	77.2	47.1-97.6	8.17	18.3	
4-Nitrophenol	6.05	0.74	0.10	mg/kg dry	7.45	<0.74	81.2	49.3-96.2	8.94	20.4	
Anthracene	6.44	0.37	0.040	mg/kg dry	7.45	<0.37	86.4	67.5-93.1	7.55	19.9	
Benzo(a)anthracene	6.46	0.37	0.046	mg/kg dry	7.45	<0.37	86.6	59.8-95.7	6.67	23.4	
Benzo(a)pyrene	6.64	0.37	0.047	mg/kg dry	7.45	<0.37	89.1	59.8-92.7	8.17	21.1	
Chrysene	6.52	0.37	0.049	mg/kg dry	7.45	<0.37	87.5	62.5-94.6	7.47	24.8	
Fluoranthene	6.45	0.37	0.043	mg/kg dry	7.45	<0.37	86.5	61.3-92.8	7.54	21.8	
Fluorene	6.21	0.37	0.039	mg/kg dry	7.45	<0.37	83.4	62.8-92.6	9.23	17.6	
N-Nitrosodi-n-propylamine	5.67	0.37	0.037	mg/kg dry	7.45	<0.37	76.1	46.9-89.9	9.20	18.9	
Pentachlorophenol	5.17	0.74	0.087	mg/kg dry	7.45	<0.74	69.3	40.1-95.1	8.60	19.7	
Phenanthrene	6.37	0.37	0.040	mg/kg dry	7.45	<0.37	85.5	65.2-92.2	6.65	20.5	
Phenol	5.54	0.74	0.077	mg/kg dry	7.45	<0.74	74.4	44.7-91	8.50	17.9	
Surrogate: 2,4,6-Tribromophenol	5.73			mg/kg dry	7.45		76.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.75			mg/kg dry	7.45		77.2	53.9-97.9			
Surrogate: 2-Fluorophenol	5.30			mg/kg dry	7.45		71.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.49			mg/kg dry	7.45		73.7	48.9-100			
Surrogate: Phenol-d6	5.64			mg/kg dry	7.45		75.6	50.4-99.6			
Surrogate: Terphenyl-d14	5.82			mg/kg dry	7.45		78.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102960 Date Reported: 07/14/11
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Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

J Parameter was present between the MDL and RL and should be considered an estimated value

< Less than value listed

dry Sample results reported on a dry weight basis

NA Not applicable. The %RPD is not calculated from values less than the reporting limit.

MDL Method Detection Limit

RL Reporting Limit

RPD Relative Percent Difference

LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)

MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
BARR Minneapolis, MN 55435-4803
(952) 832-2800

Project Number: 2319-1092.00 48RF 810
Project Name: UMore Park - 6 Survey
Sample Origin: State MN (use two letter postal state abbreviation)
COC Number: NO 33972

COC 1 of 2

Project Manager: JME
Project OC Contact: AAN
Sampled by: KCB
Laboratory: Legend

Analyze PCBs, SVOCs + RIR Metals

Number of Containers/Preservative

Water	Soil
VOCs (unpreserved) #1	
VOCs (tared MeOH) #1	
GRD, BTEX (tared MeOH) #1	
DRO (tared unpreserved)	
Metals (unpreserved)	
SVOCs (unpreserved) #2	
% Solids (plastic vial, capres.)	

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On lot?	Relinquished By: <u>Must Samples</u>	Relinquished Date: <u>6/21/11</u>	Time: <u>0515</u>	Received by: <u>Pravin NS</u>	Received Date: <u>6/23/11</u>	Time: <u>10:00</u>
						Soil	Water							
1. MSATC2-T11	0.5	0.5	ft	06/21/11	1545	Y	X	N						
2. MSATC2-T11	5	5	ft	06/21/11	1615	Y	X	Y						
3.														
4.														
5.														
6.														
7.														
8.														
9.														
10.														

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRQ, TPH, 8260 PUL LAR
 #2 - Semivolatile Organics = PAHs, PCB Dioxins, 8270 PUL LAR, Herbicide/Pesticide/PCB
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Distribution: White-Original Accessories Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator **27c**



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102962
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/30/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
717A-SB1_16-16	1102962-01	Soil	06/29/11 08:30	06/30/11 10:00
717A-SB2_16-16	1102962-02	Soil	06/29/11 09:20	06/30/11 10:00
237G-SB1_30-30	1102962-03	Soil	06/29/11 11:00	06/30/11 10:00
M-1	1102962-04	Soil	06/29/11 00:00	06/30/11 10:00
Trip Blank	1102962-05	Methanol	06/29/11 00:00	06/30/11 10:00

Shipping Container Information

Default Cooler Temperature (°C): 2.7

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Recovery for the 8270 surrogate terphenyl-d14 was above laboratory limits in sample 717A-SB1_16-16.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SB1_16-16 (1102962-01) Soil Sampled: 06/29/11 08:30 Received: 06/30/11 10:00										
Arsenic	2.9	0.49	0.054	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	36	0.98	0.059	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	13	0.49	0.012	mg/kg dry	1	"	"	"	"	
Lead	3.1	0.98	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.093	0.093	0.018	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<0.98	0.98	0.093	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.24	0.24	0.016	mg/kg dry	1	"	"	"	"	
717A-SB2_16-16 (1102962-02) Soil Sampled: 06/29/11 09:20 Received: 06/30/11 10:00										
Arsenic	1.3	0.51	0.056	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	17	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	11	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.4	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
237G-SB1_30-30 (1102962-03) Soil Sampled: 06/29/11 11:00 Received: 06/30/11 10:00										
Arsenic	2.6	0.51	0.056	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	25	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	14	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.9	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
M-1 (1102962-04) Soil Sampled: 06/29/11 00:00 Received: 06/30/11 10:00										
Arsenic	1.8	0.51	0.056	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	23	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.3	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.0	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SB1_16-16 (1102962-01) Soil Sampled: 06/29/11 08:30 Received: 06/30/11 10:00										
Aroclor 1016	<0.21	0.21	0.0081	mg/kg dry	1	B1G1110	07/11/11	07/12/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	99.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	91.5			60.9-138 %		"	"	"	"	
717A-SB2_16-16 (1102962-02) Soil Sampled: 06/29/11 09:20 Received: 06/30/11 10:00										
Aroclor 1016	<0.20	0.20	0.0081	mg/kg dry	1	B1G1110	07/11/11	07/12/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	97.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	91.0			60.9-138 %		"	"	"	"	
M-1 (1102962-04) Soil Sampled: 06/29/11 00:00 Received: 06/30/11 10:00										
Aroclor 1016	<0.20	0.20	0.0081	mg/kg dry	1	B1G1110	07/11/11	07/12/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	97.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	91.5			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SB1_16-16 (1102962-01) Soil Sampled: 06/29/11 08:30 Received: 06/30/11 10:00										
% Solids	97			%	1	B1G0621	07/06/11	07/06/11	% calculation	
717A-SB2_16-16 (1102962-02) Soil Sampled: 06/29/11 09:20 Received: 06/30/11 10:00										
% Solids	98			%	1	B1G0621	07/06/11	07/06/11	% calculation	
237G-SB1_30-30 (1102962-03) Soil Sampled: 06/29/11 11:00 Received: 06/30/11 10:00										
% Solids	98			%	1	B1G0621	07/06/11	07/06/11	% calculation	
M-1 (1102962-04) Soil Sampled: 06/29/11 00:00 Received: 06/30/11 10:00										
% Solids	98			%	1	B1G0621	07/06/11	07/06/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SB1_16-16 (1102962-01) Soil Sampled: 06/29/11 08:30 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SB1_16-16 (1102962-01) Soil Sampled: 06/29/11 08:30 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1101	07/11/11	07/12/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	94.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	94.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	84.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	88.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	87.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	101			51-99.6 %		"	"	"	"	S-GC

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102962
 Date Reported: 07/19/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SB2_16-16 (1102962-02) Soil Sampled: 06/29/11 09:20 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SB2_16-16 (1102962-02) Soil Sampled: 06/29/11 09:20 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.066	0.34	0.040	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.053	0.34	0.037	mg/kg dry	1	"	"	"	"	J
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	0.064	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	69.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	60.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	62.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	74.5			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102962
 Date Reported: 07/19/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237G-SB1_30-30 (1102962-03) Soil Sampled: 06/29/11 11:00 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237G-SB1_30-30 (1102962-03) Soil Sampled: 06/29/11 11:00 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	72.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	58.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	56.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	61.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	57.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102962-04) Soil Sampled: 06/29/11 00:00 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102962-04) Soil Sampled: 06/29/11 00:00 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.051	0.34	0.040	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	0.043	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	88.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	62.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	66.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SB1_16-16 (1102962-01) Soil Sampled: 06/29/11 08:30 Received: 06/30/11 10:00										
1,1,1,2-Tetrachloroethane	<0.072	0.31	0.072	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.039	0.31	0.039	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.032	0.31	0.032	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.042	0.31	0.042	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.083	0.31	0.083	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.028	0.31	0.028	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.031	0.31	0.031	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.075	0.61	0.075	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.029	0.31	0.029	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.033	0.61	0.033	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.022	0.31	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.084	0.61	0.084	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.027	0.31	0.027	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.024	0.31	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.038	0.31	0.038	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.024	0.31	0.024	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.31	0.032	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.027	0.31	0.027	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.021	0.31	0.021	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.073	0.61	0.073	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.11	2.4	0.11	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.017	0.31	0.017	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
Acetone	<0.23	2.4	0.23	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.071	0.61	0.071	mg/kg dry	1	"	"	"	"	
Benzene	<0.018	0.31	0.018	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.045	0.31	0.045	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
Bromoform	<0.033	0.61	0.033	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.13	0.61	0.13	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.042	0.31	0.042	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.023	0.31	0.023	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.045	0.31	0.045	mg/kg dry	1	"	"	"	"	
Chloroform	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.075	0.31	0.075	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.032	0.31	0.032	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SB1_16-16 (1102962-01) Soil Sampled: 06/29/11 08:30 Received: 06/30/11 10:00										
cis-1,3-Dichloropropene	<0.027	0.31	0.027	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Dibromochloromethane	<0.042	0.31	0.042	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.035	0.31	0.035	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.12	0.61	0.12	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.046	0.31	0.046	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.046	0.61	0.046	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.013	0.31	0.013	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.084	1.2	0.084	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.023	0.31	0.023	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.057	0.61	0.057	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.10	0.61	0.10	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.020	0.31	0.020	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.071	1.2	0.071	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.067	0.61	0.067	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.031	0.31	0.031	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.017	0.31	0.017	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.021	0.31	0.021	mg/kg dry	1	"	"	"	"	
Styrene	<0.024	0.31	0.024	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.022	0.31	0.022	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.034	0.31	0.034	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.15	2.4	0.15	mg/kg dry	1	"	"	"	"	
Toluene	<0.020	0.31	0.020	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.037	0.31	0.037	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.028	0.31	0.028	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.050	0.31	0.050	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.043	0.31	0.043	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.079	0.31	0.079	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.3			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	92.7			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	92.0			78.1-125 %		"	"	"	"	

717A-SB2_16-16 (1102962-02) Soil Sampled: 06/29/11 09:20 Received: 06/30/11 10:00										
1,1,1,2-Tetrachloroethane	<0.060	0.26	0.060	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.033	0.26	0.033	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.069	0.26	0.069	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SB2_16-16 (1102962-02) Soil Sampled: 06/29/11 09:20 Received: 06/30/11 10:00										
1,1-Dichloroethene	<0.026	0.26	0.026	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1-Dichloropropene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.062	0.51	0.062	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.26	0.024	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.028	0.51	0.028	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.070	0.51	0.070	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.032	0.26	0.032	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.26	0.017	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.061	0.51	0.061	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.090	2.0	0.090	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.26	0.014	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.059	0.51	0.059	mg/kg dry	1	"	"	"	"	
Benzene	<0.015	0.26	0.015	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.038	0.26	0.038	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
Bromoform	<0.028	0.51	0.028	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.11	0.51	0.11	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.038	0.26	0.038	mg/kg dry	1	"	"	"	"	
Chloroform	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.062	0.26	0.062	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.030	0.26	0.030	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.10	0.51	0.10	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.039	0.26	0.039	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.039	0.51	0.039	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SB2_16-16 (1102962-02) Soil Sampled: 06/29/11 09:20 Received: 06/30/11 10:00										
Ethylbenzene	<0.011	0.26	0.011	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Hexachlorobutadiene	<0.070	1.0	0.070	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.048	0.51	0.048	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.084	0.51	0.084	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.059	1.0	0.059	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.056	0.51	0.056	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.026	0.26	0.026	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.26	0.014	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.26	0.017	mg/kg dry	1	"	"	"	"	
Styrene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.029	0.26	0.029	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg dry	1	"	"	"	"	
Toluene	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.031	0.26	0.031	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.042	0.26	0.042	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.036	0.26	0.036	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.066	0.26	0.066	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.2			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	93.9			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	91.9			78.1-125 %		"	"	"	"	

237G-SB1_30-30 (1102962-03) Soil Sampled: 06/29/11 11:00 Received: 06/30/11 10:00										
1,1,1,2-Tetrachloroethane	<0.056	0.24	0.056	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.030	0.24	0.030	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.025	0.24	0.025	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.032	0.24	0.032	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.065	0.24	0.065	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.022	0.24	0.022	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.024	0.24	0.024	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.020	0.24	0.020	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.058	0.48	0.058	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.023	0.24	0.023	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.026	0.48	0.026	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.017	0.24	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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237G-SB1_30-30 (1102962-03) Soil Sampled: 06/29/11 11:00 Received: 06/30/11 10:00

1,2-Dibromo-3-chloropropane	<0.066	0.48	0.066	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.021	0.24	0.021	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.019	0.24	0.019	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.026	0.24	0.026	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.029	0.24	0.029	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.019	0.24	0.019	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.025	0.24	0.025	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.021	0.24	0.021	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.016	0.24	0.016	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.057	0.48	0.057	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.084	1.9	0.084	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.013	0.24	0.013	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.020	0.24	0.020	mg/kg dry	1	"	"	"	"	
Acetone	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.055	0.48	0.055	mg/kg dry	1	"	"	"	"	
Benzene	<0.014	0.24	0.014	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.026	0.24	0.026	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.035	0.24	0.035	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.026	0.24	0.026	mg/kg dry	1	"	"	"	"	
Bromoform	<0.026	0.48	0.026	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.10	0.48	0.10	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.032	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.018	0.24	0.018	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.035	0.24	0.035	mg/kg dry	1	"	"	"	"	
Chloroform	<0.020	0.24	0.020	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.058	0.24	0.058	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.025	0.24	0.025	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.021	0.24	0.021	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.032	0.24	0.032	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.028	0.24	0.028	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.094	0.48	0.094	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.036	0.24	0.036	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.036	0.48	0.036	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.010	0.24	0.010	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.066	0.95	0.066	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.018	0.24	0.018	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.045	0.48	0.045	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.078	0.48	0.078	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.015	0.24	0.015	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237G-SB1_30-30 (1102962-03) Soil Sampled: 06/29/11 11:00 Received: 06/30/11 10:00										
Methylene chloride	<0.055	0.95	0.055	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Naphthalene	<0.052	0.48	0.052	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.026	0.24	0.026	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.020	0.24	0.020	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.024	0.24	0.024	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.013	0.24	0.013	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.016	0.24	0.016	mg/kg dry	1	"	"	"	"	
Styrene	<0.019	0.24	0.019	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.017	0.24	0.017	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.027	0.24	0.027	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.11	1.9	0.11	mg/kg dry	1	"	"	"	"	
Toluene	<0.015	0.24	0.015	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.029	0.24	0.029	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.022	0.24	0.022	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.039	0.24	0.039	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.033	0.24	0.033	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.062	0.24	0.062	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.3			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	92.7			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.3			78.1-125 %		"	"	"	"	

M-1 (1102962-04) Soil Sampled: 06/29/11 00:00 Received: 06/30/11 10:00										
1,1,1,2-Tetrachloroethane	<0.065	0.28	0.065	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.035	0.28	0.035	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.075	0.28	0.075	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.068	0.55	0.068	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.027	0.28	0.027	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.030	0.55	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.076	0.55	0.076	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.034	0.28	0.034	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102962-04) Soil Sampled: 06/29/11 00:00 Received: 06/30/11 10:00										
1,3-Dichlorobenzene	<0.029	0.28	0.029	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,3-Dichloropropane	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.066	0.55	0.066	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.097	2.2	0.097	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.015	0.28	0.015	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
Acetone	<0.21	2.2	0.21	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.064	0.55	0.064	mg/kg dry	1	"	"	"	"	
Benzene	<0.017	0.28	0.017	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.041	0.28	0.041	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromoform	<0.030	0.55	0.030	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.55	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.041	0.28	0.041	mg/kg dry	1	"	"	"	"	
Chloroform	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.068	0.28	0.068	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.032	0.28	0.032	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.11	0.55	0.11	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.042	0.28	0.042	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.042	0.55	0.042	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.012	0.28	0.012	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.076	1.1	0.076	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.052	0.55	0.052	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.091	0.55	0.091	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.064	1.1	0.064	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.061	0.55	0.061	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.015	0.28	0.015	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102962-04) Soil Sampled: 06/29/11 00:00 Received: 06/30/11 10:00										
sec-Butylbenzene	<0.019	0.28	0.019	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Styrene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.031	0.28	0.031	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.13	2.2	0.13	mg/kg dry	1	"	"	"	"	
Toluene	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.033	0.28	0.033	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.045	0.28	0.045	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.039	0.28	0.039	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.072	0.28	0.072	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	87.5			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	93.2			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	91.2			78.1-125 %		"	"	"	"	

Trip Blank (1102962-05) Methanol Sampled: 06/29/11 00:00 Received: 06/30/11 10:00										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1102962-05) Methanol Sampled: 06/29/11 00:00 Received: 06/30/11 10:00										
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	<0.058	1.0	0.058	mg/kg wet	1	"	"	"	"	
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1102962-05) Methanol Sampled: 06/29/11 00:00 Received: 06/30/11 10:00										
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.7			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	91.7			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	91.6			78.1-125 %		"	"	"	"	



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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237G-SB1_30-30 (1102962-03) Soil Sampled: 06/29/11 11:00 Received: 06/30/11 10:00										
Flashpoint	>140			°F	1	B1G1407	07/14/11	07/14/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0712 - EPA 7471A											
Blank (B1G0712-BLK1)						Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0712-BS1)						Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	0.193	0.10	0.019	mg/kg wet	0.200		96.5	80-120			
LCS Dup (B1G0712-BSD1)						Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	0.189	0.10	0.019	mg/kg wet	0.200		94.5	80-120	2.09	20	
Matrix Spike (B1G0712-MS1)						Source: 1102967-01 Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	0.253	0.11	0.021	mg/kg dry	0.225	<0.11	85.9	75-125			
Matrix Spike Dup (B1G0712-MSD1)						Source: 1102967-01 Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	0.253	0.11	0.021	mg/kg dry	0.217	<0.11	89.0	75-125	0.0641	20	
Batch B1G0714 - EPA 3050B											
Blank (B1G0714-BLK1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0714-BS1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	43.3	1.0	0.060	mg/kg wet	39.9		109	80-120			
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.0	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	41.5	1.0	0.095	mg/kg wet	39.9		104	80-120			
Silver	4.09	0.25	0.016	mg/kg wet	3.99		103	80-120			
LCS Dup (B1G0714-BSD1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120	0.126	20	
Barium	43.1	1.0	0.060	mg/kg wet	39.9		108	80-120	0.575	20	
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120	0.0230	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120	0.0360	20	
Lead	40.8	1.0	0.14	mg/kg wet	39.9		102	80-120	0.409	20	
Selenium	41.4	1.0	0.095	mg/kg wet	39.9		104	80-120	0.0976	20	
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120	1.51	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0714 - EPA 3050B											
Matrix Spike (B1G0714-MS1)		Source: 1102962-01			Prepared: 07/07/11		Analyzed: 07/11/11				
Arsenic	42.4	0.49	0.054	mg/kg dry	39.0	2.90	101	75-125			
Barium	80.6	0.98	0.059	mg/kg dry	39.0	36.4	113	75-125			
Cadmium	39.5	0.24	0.032	mg/kg dry	39.0	<0.24	101	75-125			
Chromium	49.6	0.49	0.012	mg/kg dry	39.0	13.3	92.9	75-125			
Lead	39.4	0.98	0.14	mg/kg dry	39.0	3.14	92.9	75-125			
Selenium	38.2	0.98	0.093	mg/kg dry	39.0	<0.98	97.9	75-125			
Silver	3.81	0.24	0.016	mg/kg dry	3.90	<0.24	97.5	75-125			
Matrix Spike Dup (B1G0714-MSD1)											
Matrix Spike Dup (B1G0714-MSD1)		Source: 1102962-01			Prepared: 07/07/11		Analyzed: 07/11/11				
Arsenic	42.0	0.49	0.054	mg/kg dry	38.9	2.90	101	75-125	0.977	20	
Barium	73.9	0.97	0.058	mg/kg dry	38.9	36.4	96.4	75-125	8.66	20	
Cadmium	39.4	0.24	0.032	mg/kg dry	38.9	<0.24	101	75-125	0.353	20	
Chromium	50.5	0.49	0.012	mg/kg dry	38.9	13.3	95.7	75-125	1.85	20	
Lead	39.1	0.97	0.14	mg/kg dry	38.9	3.14	92.6	75-125	0.664	20	
Selenium	38.4	0.97	0.093	mg/kg dry	38.9	<0.97	98.7	75-125	0.398	20	
Silver	3.82	0.24	0.016	mg/kg dry	3.89	<0.24	98.2	75-125	0.300	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1110 - EPA 3545 ASE Extraction											
Blank (B1G1110-BLK1)											
						Prepared: 07/11/11 Analyzed: 07/12/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0660			mg/kg wet	0.0667		99.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0610			mg/kg wet	0.0667		91.5	60.9-138			
LCS (B1G1110-BS1)											
						Prepared: 07/11/11 Analyzed: 07/12/11					
Aroclor 1260	0.337	0.20	0.0059	mg/kg wet	0.333		101	70-130			
Surrogate: Decachlorobiphenyl	0.0660			mg/kg wet	0.0667		99.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0610			mg/kg wet	0.0667		91.5	60.9-138			
Matrix Spike (B1G1110-MS1)											
						Source: 1102962-02 Prepared: 07/11/11 Analyzed: 07/12/11					
Aroclor 1260	0.352	0.20	0.0060	mg/kg dry	0.344	<0.20	102	70-130			
Surrogate: Decachlorobiphenyl	0.0685			mg/kg dry	0.0688		99.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0630			mg/kg dry	0.0688		91.5	60.9-138			
Matrix Spike Dup (B1G1110-MSD1)											
						Source: 1102962-02 Prepared: 07/11/11 Analyzed: 07/12/11					
Aroclor 1260	0.354	0.20	0.0060	mg/kg dry	0.340	<0.20	104	70-130	0.508	17.2	
Surrogate: Decachlorobiphenyl	0.0680			mg/kg dry	0.0680		100	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0633			mg/kg dry	0.0680		93.0	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0621 - General Preparation											
Duplicate (B1G0621-DUP1)											
	Source: 1102924-03		Prepared & Analyzed: 07/06/11								
% Solids	91.0			%		88.0			3.35	20	
Duplicate (B1G0621-DUP2)											
	Source: 1102930-06		Prepared & Analyzed: 07/06/11								
% Solids	81.0			%		81.0			0.00	20	
Duplicate (B1G0621-DUP3)											
	Source: 1102962-04		Prepared & Analyzed: 07/06/11								
% Solids	97.0			%		98.0			1.03	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Blank (B1G1101-BLK1)

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Blank (B1G1101-BLK1)

Prepared & Analyzed: 07/11/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.40			mg/kg wet	6.67		66.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.09			mg/kg wet	6.67		61.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.78			mg/kg wet	6.67		56.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.99			mg/kg wet	6.67		59.8	48.9-100			
Surrogate: Phenol-d6	4.07			mg/kg wet	6.67		61.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.46			mg/kg wet	6.67		81.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

LCS (B1G1101-BS1)

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.75	0.33	0.031	mg/kg wet	6.67		71.2	59.1-87.7			
1,4-Dichlorobenzene	4.75	0.33	0.029	mg/kg wet	6.67		71.3	50.3-72.9			
2,4-Dinitrotoluene	5.46	0.33	0.035	mg/kg wet	6.67		81.9	59.8-82.2			
2-Chlorophenol	4.91	0.67	0.060	mg/kg wet	6.67		73.7	59.7-77.3			
4-Chloro-3-methylphenol	5.13	0.67	0.066	mg/kg wet	6.67		76.9	63.6-80.4			
4-Nitrophenol	5.23	0.67	0.093	mg/kg wet	6.67		78.5	57.3-84.9			
Anthracene	5.80	0.33	0.036	mg/kg wet	6.67		87.0	67.3-88			
Benzo(a)anthracene	5.83	0.33	0.041	mg/kg wet	6.67		87.4	66.5-90.5			
Benzo(a)pyrene	5.91	0.33	0.042	mg/kg wet	6.67		88.7	66.1-89.7			
Chrysene	5.82	0.33	0.044	mg/kg wet	6.67		87.3	65.5-90.5			
Fluoranthene	5.79	0.33	0.039	mg/kg wet	6.67		86.8	66.7-89.9			
Fluorene	5.56	0.33	0.035	mg/kg wet	6.67		83.4	66.2-85.6			
N-Nitrosodi-n-propylamine	5.15	0.33	0.033	mg/kg wet	6.67		77.3	59.4-78			
Pentachlorophenol	4.19	0.67	0.078	mg/kg wet	6.67		62.9	46.7-83.2			
Phenanthrene	5.78	0.33	0.036	mg/kg wet	6.67		86.7	67.5-87.9			
Phenol	5.00	0.67	0.069	mg/kg wet	6.67		75.1	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	5.03			mg/kg wet	6.67		75.4	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	5.15			mg/kg wet	6.67		77.2	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.84			mg/kg wet	6.67		72.6	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.97			mg/kg wet	6.67		74.6	48.9-100			
<i>Surrogate: Phenol-d6</i>	5.15			mg/kg wet	6.67		77.3	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	5.33			mg/kg wet	6.67		79.9	51-99.6			

Matrix Spike (B1G1101-MS1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	4.85	0.37	0.034	mg/kg dry	7.45	<0.37	65.1	44.8-97.9			
1,4-Dichlorobenzene	4.88	0.37	0.032	mg/kg dry	7.45	<0.37	65.5	42.3-77.9			
2,4-Dinitrotoluene	5.58	0.37	0.039	mg/kg dry	7.45	<0.37	74.9	57.3-86.6			
2-Chlorophenol	4.98	0.74	0.067	mg/kg dry	7.45	<0.74	66.8	43.3-93.2			
4-Chloro-3-methylphenol	5.30	0.74	0.073	mg/kg dry	7.45	<0.74	71.2	47.1-97.6			
4-Nitrophenol	5.53	0.74	0.10	mg/kg dry	7.45	<0.74	74.3	49.3-96.2			
Anthracene	5.97	0.37	0.040	mg/kg dry	7.45	<0.37	80.2	67.5-93.1			
Benzo(a)anthracene	6.04	0.37	0.046	mg/kg dry	7.45	<0.37	81.1	59.8-95.7			
Benzo(a)pyrene	6.12	0.37	0.047	mg/kg dry	7.45	<0.37	82.1	59.8-92.7			
Chrysene	6.05	0.37	0.049	mg/kg dry	7.45	<0.37	81.3	62.5-94.6			
Fluoranthene	5.98	0.37	0.043	mg/kg dry	7.45	<0.37	80.3	61.3-92.8			
Fluorene	5.66	0.37	0.039	mg/kg dry	7.45	<0.37	76.1	62.8-92.6			
N-Nitrosodi-n-propylamine	5.17	0.37	0.037	mg/kg dry	7.45	<0.37	69.5	46.9-89.9			
Pentachlorophenol	4.74	0.74	0.087	mg/kg dry	7.45	<0.74	63.7	40.1-95.1			
Phenanthrene	5.96	0.37	0.040	mg/kg dry	7.45	<0.37	80.0	65.2-92.2			
Phenol	5.09	0.74	0.077	mg/kg dry	7.45	<0.74	68.3	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1101 - EPA 3545 ASE Extraction

Matrix Spike (B1G1101-MS1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

Surrogate: 2,4,6-Tribromophenol	5.21			mg/kg dry	7.45		69.9	53-107			
Surrogate: 2-Fluorobiphenyl	5.23			mg/kg dry	7.45		70.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.97			mg/kg dry	7.45		66.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.19			mg/kg dry	7.45		69.7	48.9-100			
Surrogate: Phenol-d6	5.31			mg/kg dry	7.45		71.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.48			mg/kg dry	7.45		73.6	51-99.6			

Matrix Spike Dup (B1G1101-MSD1)

Source: 1102924-02

Prepared & Analyzed: 07/11/11

1,2,4-Trichlorobenzene	5.28	0.37	0.034	mg/kg dry	7.45	<0.37	70.9	44.8-97.9	8.53	19.6	
1,4-Dichlorobenzene	5.13	0.37	0.032	mg/kg dry	7.45	<0.37	68.9	42.3-77.9	5.07	22.4	
2,4-Dinitrotoluene	6.08	0.37	0.039	mg/kg dry	7.45	<0.37	81.6	57.3-86.6	8.60	19.5	
2-Chlorophenol	5.43	0.74	0.067	mg/kg dry	7.45	<0.74	72.8	43.3-93.2	8.63	23.7	
4-Chloro-3-methylphenol	5.76	0.74	0.073	mg/kg dry	7.45	<0.74	77.2	47.1-97.6	8.17	18.3	
4-Nitrophenol	6.05	0.74	0.10	mg/kg dry	7.45	<0.74	81.2	49.3-96.2	8.94	20.4	
Anthracene	6.44	0.37	0.040	mg/kg dry	7.45	<0.37	86.4	67.5-93.1	7.55	19.9	
Benzo(a)anthracene	6.46	0.37	0.046	mg/kg dry	7.45	<0.37	86.6	59.8-95.7	6.67	23.4	
Benzo(a)pyrene	6.64	0.37	0.047	mg/kg dry	7.45	<0.37	89.1	59.8-92.7	8.17	21.1	
Chrysene	6.52	0.37	0.049	mg/kg dry	7.45	<0.37	87.5	62.5-94.6	7.47	24.8	
Fluoranthene	6.45	0.37	0.043	mg/kg dry	7.45	<0.37	86.5	61.3-92.8	7.54	21.8	
Fluorene	6.21	0.37	0.039	mg/kg dry	7.45	<0.37	83.4	62.8-92.6	9.23	17.6	
N-Nitrosodi-n-propylamine	5.67	0.37	0.037	mg/kg dry	7.45	<0.37	76.1	46.9-89.9	9.20	18.9	
Pentachlorophenol	5.17	0.74	0.087	mg/kg dry	7.45	<0.74	69.3	40.1-95.1	8.60	19.7	
Phenanthrene	6.37	0.37	0.040	mg/kg dry	7.45	<0.37	85.5	65.2-92.2	6.65	20.5	
Phenol	5.54	0.74	0.077	mg/kg dry	7.45	<0.74	74.4	44.7-91	8.50	17.9	
Surrogate: 2,4,6-Tribromophenol	5.73			mg/kg dry	7.45		76.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.75			mg/kg dry	7.45		77.2	53.9-97.9			
Surrogate: 2-Fluorophenol	5.30			mg/kg dry	7.45		71.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.49			mg/kg dry	7.45		73.7	48.9-100			
Surrogate: Phenol-d6	5.64			mg/kg dry	7.45		75.6	50.4-99.6			
Surrogate: Terphenyl-d14	5.82			mg/kg dry	7.45		78.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Blank (B1G1218-BLK1)

Prepared & Analyzed: 07/12/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Blank (B1G1218-BLK1)

Prepared & Analyzed: 07/12/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.48			mg/kg wet	6.67		82.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.28			mg/kg wet	6.67		64.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.32			mg/kg wet	6.67		64.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.48			mg/kg wet	6.67		67.2	48.9-100			
Surrogate: Phenol-d6	4.74			mg/kg wet	6.67		71.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.44			mg/kg wet	6.67		66.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

LCS (B1G1218-BS1)

Prepared & Analyzed: 07/12/11

1,2,4-Trichlorobenzene	4.38	0.33	0.031	mg/kg wet	6.67		65.8	59.1-87.7			
1,4-Dichlorobenzene	4.16	0.33	0.029	mg/kg wet	6.67		62.3	50.3-72.9			
2,4-Dinitrotoluene	4.35	0.33	0.035	mg/kg wet	6.67		65.3	59.8-82.2			
2-Chlorophenol	4.86	0.67	0.060	mg/kg wet	6.67		72.9	59.7-77.3			
4-Chloro-3-methylphenol	4.87	0.67	0.066	mg/kg wet	6.67		73.1	63.6-80.4			
4-Nitrophenol	4.82	0.67	0.093	mg/kg wet	6.67		72.3	57.3-84.9			
Anthracene	4.98	0.33	0.036	mg/kg wet	6.67		74.6	67.3-88			
Benzo(a)anthracene	5.13	0.33	0.041	mg/kg wet	6.67		77.0	66.5-90.5			
Benzo(a)pyrene	5.14	0.33	0.042	mg/kg wet	6.67		77.1	66.1-89.7			
Chrysene	5.16	0.33	0.044	mg/kg wet	6.67		77.4	65.5-90.5			
Fluoranthene	5.00	0.33	0.039	mg/kg wet	6.67		75.1	66.7-89.9			
Fluorene	4.51	0.33	0.035	mg/kg wet	6.67		67.6	66.2-85.6			
N-Nitrosodi-n-propylamine	4.45	0.33	0.033	mg/kg wet	6.67		66.7	59.4-78			
Pentachlorophenol	4.83	0.67	0.078	mg/kg wet	6.67		72.4	46.7-83.2			
Phenanthrene	5.07	0.33	0.036	mg/kg wet	6.67		76.1	67.5-87.9			
Phenol	4.26	0.67	0.069	mg/kg wet	6.67		63.8	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.15			mg/kg wet	6.67		77.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.03			mg/kg wet	6.67		60.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.13			mg/kg wet	6.67		62.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.38			mg/kg wet	6.67		65.7	48.9-100			
Surrogate: Phenol-d6	4.43			mg/kg wet	6.67		66.5	50.4-99.6			
Surrogate: Terphenyl-d14	4.33			mg/kg wet	6.67		64.9	51-99.6			

Matrix Spike (B1G1218-MS1)

Source: 1102962-02

Prepared: 07/12/11 Analyzed: 07/13/11

1,2,4-Trichlorobenzene	3.84	0.34	0.032	mg/kg dry	6.86	<0.34	56.0	44.8-97.9			
1,4-Dichlorobenzene	3.81	0.34	0.030	mg/kg dry	6.86	<0.34	55.5	42.3-77.9			
2,4-Dinitrotoluene	4.85	0.34	0.036	mg/kg dry	6.86	<0.34	70.7	57.3-86.6			
2-Chlorophenol	3.85	0.68	0.061	mg/kg dry	6.86	<0.68	56.2	43.3-93.2			
4-Chloro-3-methylphenol	4.22	0.68	0.067	mg/kg dry	6.86	<0.68	61.6	47.1-97.6			
4-Nitrophenol	4.52	0.68	0.095	mg/kg dry	6.86	<0.68	65.9	49.3-96.2			
Anthracene	5.31	0.34	0.037	mg/kg dry	6.86	<0.34	77.5	67.5-93.1			
Benzo(a)anthracene	5.38	0.34	0.042	mg/kg dry	6.86	<0.34	78.5	59.8-95.7			
Benzo(a)pyrene	5.46	0.34	0.043	mg/kg dry	6.86	<0.34	79.6	59.8-92.7			
Chrysene	5.43	0.34	0.045	mg/kg dry	6.86	<0.34	79.2	62.5-94.6			
Fluoranthene	5.41	0.34	0.040	mg/kg dry	6.86	<0.34	77.9	61.3-92.8			
Fluorene	4.78	0.34	0.036	mg/kg dry	6.86	<0.34	69.7	62.8-92.6			
N-Nitrosodi-n-propylamine	4.04	0.34	0.034	mg/kg dry	6.86	<0.34	58.9	46.9-89.9			
Pentachlorophenol	4.15	0.68	0.080	mg/kg dry	6.86	<0.68	60.4	40.1-95.1			
Phenanthrene	5.23	0.34	0.037	mg/kg dry	6.86	<0.34	75.5	65.2-92.2			
Phenol	4.00	0.68	0.070	mg/kg dry	6.86	<0.68	58.3	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Matrix Spike (B1G1218-MS1)

Source: 1102962-02

Prepared: 07/12/11

Analyzed: 07/13/11

Surrogate: 2,4,6-Tribromophenol	4.71			mg/kg dry	6.86		68.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.30			mg/kg dry	6.86		62.6	53.9-97.9			
Surrogate: 2-Fluorophenol	4.02			mg/kg dry	6.86		58.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.06			mg/kg dry	6.86		59.1	48.9-100			
Surrogate: Phenol-d6	4.16			mg/kg dry	6.86		60.7	50.4-99.6			
Surrogate: Terphenyl-d14	4.64			mg/kg dry	6.86		67.6	51-99.6			

Matrix Spike Dup (B1G1218-MSD1)

Source: 1102962-02

Prepared: 07/12/11

Analyzed: 07/13/11

1,2,4-Trichlorobenzene	4.02	0.34	0.032	mg/kg dry	6.84	<0.34	58.7	44.8-97.9	4.54	19.6	
1,4-Dichlorobenzene	3.99	0.34	0.030	mg/kg dry	6.84	<0.34	58.4	42.3-77.9	4.73	22.4	
2,4-Dinitrotoluene	4.62	0.34	0.036	mg/kg dry	6.84	<0.34	67.5	57.3-86.6	4.84	19.5	
2-Chlorophenol	4.05	0.68	0.061	mg/kg dry	6.84	<0.68	59.2	43.3-93.2	4.90	23.7	
4-Chloro-3-methylphenol	4.35	0.68	0.067	mg/kg dry	6.84	<0.68	63.6	47.1-97.6	2.95	18.3	
4-Nitrophenol	4.34	0.68	0.095	mg/kg dry	6.84	<0.68	63.5	49.3-96.2	4.02	20.4	
Anthracene	5.02	0.34	0.037	mg/kg dry	6.84	<0.34	73.4	67.5-93.1	5.63	19.9	
Benzo(a)anthracene	4.96	0.34	0.042	mg/kg dry	6.84	<0.34	72.5	59.8-95.7	8.23	23.4	
Benzo(a)pyrene	5.09	0.34	0.043	mg/kg dry	6.84	<0.34	74.5	59.8-92.7	6.99	21.1	
Chrysene	5.01	0.34	0.045	mg/kg dry	6.84	<0.34	73.2	62.5-94.6	8.07	24.8	
Fluoranthene	4.97	0.34	0.040	mg/kg dry	6.84	<0.34	71.6	61.3-92.8	8.49	21.8	
Fluorene	4.83	0.34	0.036	mg/kg dry	6.84	<0.34	70.7	62.8-92.6	1.08	17.6	
N-Nitrosodi-n-propylamine	4.23	0.34	0.034	mg/kg dry	6.84	<0.34	61.9	46.9-89.9	4.66	18.9	
Pentachlorophenol	3.89	0.68	0.080	mg/kg dry	6.84	<0.68	56.9	40.1-95.1	6.31	19.7	
Phenanthrene	4.98	0.34	0.037	mg/kg dry	6.84	<0.34	72.1	65.2-92.2	4.82	20.5	
Phenol	4.16	0.68	0.070	mg/kg dry	6.84	<0.68	60.8	44.7-91	3.90	17.9	
Surrogate: 2,4,6-Tribromophenol	4.24			mg/kg dry	6.84		62.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.27			mg/kg dry	6.84		62.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.97			mg/kg dry	6.84		58.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.02			mg/kg dry	6.84		58.8	48.9-100			
Surrogate: Phenol-d6	4.10			mg/kg dry	6.84		59.9	50.4-99.6			
Surrogate: Terphenyl-d14	4.12			mg/kg dry	6.84		60.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	42.7			ug/L	50.0		85.3	80-124			
Surrogate: Dibromofluoromethane	46.5			ug/L	50.0		92.9	77.1-123			
Surrogate: Toluene-d8	45.1			ug/L	50.0		90.3	78.1-125			

LCS (B1G0502-BS1)

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	51.0			ug/L	50.0		102	75-120			
1,1-Dichloroethane	42.8			ug/L	50.0		85.7	79.6-120			
1,1-Dichloroethene	43.7			ug/L	50.0		87.5	78.3-120			
1,3,5-Trimethylbenzene	50.3			ug/L	50.0		101	77-120			
1,4-Dichlorobenzene	52.1			ug/L	50.0		104	75-125			
2-Chlorotoluene	52.2			ug/L	50.0		104	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

LCS (B1G0502-BS1)

Prepared & Analyzed: 07/05/11

Benzene	48.3			ug/L	50.0		96.6	80-120			
Bromoform	48.1			ug/L	50.0		96.3	80-120			
Chlorobenzene	49.1			ug/L	50.0		98.2	80-120			
Chloroform	47.0			ug/L	50.0		93.9	80-120			
Ethylbenzene	49.8			ug/L	50.0		99.6	80-120			
n-Butylbenzene	49.5			ug/L	50.0		99.0	75-125			
n-Propylbenzene	52.4			ug/L	50.0		105	75-120			
Toluene	49.1			ug/L	50.0		98.2	80-120			
Trichloroethene	49.1			ug/L	50.0		98.1	80-120			
Vinyl chloride	49.3			ug/L	50.0		98.6	75-130			
Surrogate: 4-Bromofluorobenzene	47.3			ug/L	50.0		94.6	80-124			
Surrogate: Dibromofluoromethane	46.7			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	46.7			ug/L	50.0		93.5	78.1-125			

Matrix Spike (B1G0502-MS1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	51.8			ug/L	50.0	<	104	75-125			
1,1-Dichloroethane	43.9			ug/L	50.0	<	87.8	78.7-123			
1,1-Dichloroethene	42.7			ug/L	50.0	<	85.4	75.8-121			
1,3,5-Trimethylbenzene	51.3			ug/L	50.0	<	103	75-120			
1,4-Dichlorobenzene	52.7			ug/L	50.0	<	105	75-125			
2-Chlorotoluene	52.8			ug/L	50.0	<	106	75-120			
Benzene	47.5			ug/L	50.0	<	95.1	80-120			
Bromoform	48.7			ug/L	50.0	<	97.3	80-120			
Chlorobenzene	51.6			ug/L	50.0	<	103	80-120			
Chloroform	45.9			ug/L	50.0	<	91.8	80-120			
Ethylbenzene	51.0			ug/L	50.0	<	102	80-120			
n-Butylbenzene	51.4			ug/L	50.0	<	103	73.8-125			
n-Propylbenzene	52.8			ug/L	50.0	<	106	75-120			
Toluene	48.7			ug/L	50.0	<	97.5	80-120			
Trichloroethene	49.6			ug/L	50.0	<	99.2	80-120			
Vinyl chloride	47.5			ug/L	50.0	<	95.1	74.8-130			
Surrogate: 4-Bromofluorobenzene	46.9			ug/L	50.0		93.8	80-124			
Surrogate: Dibromofluoromethane	46.7			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	45.7			ug/L	50.0		91.4	78.1-125			

Matrix Spike Dup (B1G0502-MSD1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	49.6			ug/L	50.0	<	99.1	75-125	4.41	20	
1,1-Dichloroethane	43.4			ug/L	50.0	<	86.8	78.7-123	1.14	20	
1,1-Dichloroethene	43.6			ug/L	50.0	<	87.2	75.8-121	2.02	20	
1,3,5-Trimethylbenzene	50.3			ug/L	50.0	<	101	75-120	2.04	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0502 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1G0502-MSD1)			Source: 1102929-01			Prepared & Analyzed: 07/05/11					
1,4-Dichlorobenzene	52.5			ug/L	50.0	<	105	75-125	0.519	20	
2-Chlorotoluene	50.7			ug/L	50.0	<	101	75-120	4.18	20	
Benzene	47.7			ug/L	50.0	<	95.5	80-120	0.435	20	
Bromoform	49.1			ug/L	50.0	<	98.2	80-120	0.852	20	
Chlorobenzene	50.7			ug/L	50.0	<	101	80-120	1.83	20	
Chloroform	45.5			ug/L	50.0	<	90.9	80-120	0.918	20	
Ethylbenzene	50.8			ug/L	50.0	<	102	80-120	0.427	20	
n-Butylbenzene	49.2			ug/L	50.0	<	98.5	73.8-125	4.25	20	
n-Propylbenzene	50.7			ug/L	50.0	<	101	75-120	3.89	20	
Toluene	47.9			ug/L	50.0	<	95.8	80-120	1.73	20	
Trichloroethene	48.9			ug/L	50.0	<	97.9	80-120	1.28	20	
Vinyl chloride	47.5			ug/L	50.0	<	94.9	74.8-130	0.181	20	
Surrogate: 4-Bromofluorobenzene	47.1			ug/L	50.0		94.3	80-124			
Surrogate: Dibromofluoromethane	47.3			ug/L	50.0		94.5	77.1-123			
Surrogate: Toluene-d8	46.4			ug/L	50.0		92.8	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102962 Date Reported: 07/19/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1407 - General Prep											
Duplicate (B1G1407-DUP1)		Source: 1102962-03				Prepared & Analyzed: 07/14/11					
Flashpoint	>140			°F		>140				5	
Reference (B1G1407-SRM1)											
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102962
Date Reported: 07/19/11

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

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Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 23/19-1092 48E1 S10
Project Name: Urocl, RI-ABL Low
Sample Origin: State MN (use two letter postal state abbreviation)

COC Number: **NO 36470**

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type			COC Type
						Water	Soil	Grab	
1. 717A-581	16	16	FT	6/29/2011	8:30	X	X	X	OC
2. 717A-582	16	16	FT		9:20	X	X	X	OC
3. 2376-581	30	30	FT		11:00	X	X	X	OC
4. M-1	-	-	-						X
5. Top Blank	-	-	-						X
6.									
7.									
8.									
9.									
10.									

Number of Containers/Preservative

Water	Soil	Total Number of Containers
VOCS (unpreserved) #2		5
Disolved Metals (HNO ₃)		5
Total Metals (HNO ₃)		5
General (unpreserved) #3		5
Diesel Range Organics (HCl)		5
Nutrients (H ₂ SO ₄) #4		5
VOCS (tared MeOH) #1		5
GRO, BTEX (tared MeOH) #1		5
DRO (tared unpreserved)		5
Metals (unpreserved)		5
SVOC (unpreserved) #3, PAB		5
& Solids (plastic vial, unpres.)		5
Flashpoint		5

Project Information:
COC: 1 of 1
Project Manager: JME
Project QC Contact: AAN
Sampled by: ADN
Laboratory: Legend

Analysis:
1. Analyzed for PCBs, SVOCs, PABs, VOCs
2. Analyzed for PCBs, SVOCs, PABs, VOCs
3. Analyzed for PCBs, SVOCs, PABs, VOCs
4. Analyzed for PCBs, SVOCs, PABs, VOCs
5. Analyzed for VOCs

Received by: [Signature] Date: 6/30/11 Time: 10:00

Relinquished by: [Signature] Date: 6/30/11 Time: 0545

Relinquished by: [Signature] Date: 6/30/11 Time: 0545

Common Parameter/Container - Preservation Key:
#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, B270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phospho, Ammonia Nitrogen, TXN

Other: [Blank]

Distribution: White-Original Accompanies Shipments to Lab; Yellow - Field Copy; Pink - Lab Coordinator

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88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102964
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/30/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Report Reviewer
bpham@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
30SD-TT2-Pine Needles_0.5-0.5	1102964-01	Soil	06/29/11 15:00	06/30/11 10:00
BSD-TT2_0.5-0.5	1102964-02	Soil	06/29/11 10:00	06/30/11 10:00

Shipping Container Information

Default Cooler Temperature (°C): 2.7

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT2_0.5-0.5 (1102964-02) Soil Sampled: 06/29/11 10:00 Received: 06/30/11 10:00										
Arsenic	1.6	0.51	0.056	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	17	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.1	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	6.0	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT2-Pine Needles_0.5-0.5 (1102964-01) Soil Sampled: 06/29/11 15:00 Received: 06/30/11 10:00										
% Solids	82			%	1	B1G0812	07/08/11	07/11/11	% calculation	
BSD-TT2_0.5-0.5 (1102964-02) Soil Sampled: 06/29/11 10:00 Received: 06/30/11 10:00										
% Solids	98			%	1	B1G0812	07/08/11	07/11/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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BSD-TT2_0.5-0.5 (1102964-02) Soil Sampled: 06/29/11 10:00 Received: 06/30/11 10:00

1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT2_0.5-0.5 (1102964-02) Soil Sampled: 06/29/11 10:00 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	73.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	56.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	52.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	57.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	58.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	56.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT2-Pine Needles_0.5-0.5 (1102964-01) Soil										W-03
Sampled: 06/29/11 15:00					Received: 06/30/11 10:00					
1,1,1,2-Tetrachloroethane	<0.097	0.41	0.097	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.056	0.41	0.056	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.11	0.41	0.11	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.035	0.41	0.035	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.044	0.82	0.044	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.099	0.82	0.099	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.14	3.3	0.14	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.023	0.41	0.023	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.035	0.41	0.035	mg/kg dry	1	"	"	"	"	
Acetone	<0.31	3.3	0.31	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Benzene	<0.025	0.41	0.025	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.061	0.41	0.061	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bromoform	<0.044	0.82	0.044	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.18	0.82	0.18	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.056	0.41	0.056	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.031	0.41	0.031	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.061	0.41	0.061	mg/kg dry	1	"	"	"	"	
Chloroform	<0.035	0.41	0.035	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.10	0.41	0.10	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT2-Pine Needles_0.5-0.5 (1102964-01) Soil										W-03
Sampled: 06/29/11 15:00 Received: 06/30/11 10:00										
cis-1,3-Dichloropropene	<0.036	0.41	0.036	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Dibromochloromethane	<0.056	0.41	0.056	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.16	0.82	0.16	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.062	0.41	0.062	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.062	0.82	0.062	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.018	0.41	0.018	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.11	1.6	0.11	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.031	0.41	0.031	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.077	0.82	0.077	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.13	0.82	0.13	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.026	0.41	0.026	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.095	1.6	0.095	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.090	0.82	0.090	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.035	0.41	0.035	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.023	0.41	0.023	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
Styrene	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.046	0.41	0.046	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.20	3.3	0.20	mg/kg dry	1	"	"	"	"	
Toluene	<0.026	0.41	0.026	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.067	0.41	0.067	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.058	0.41	0.058	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.11	0.41	0.11	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	90.6			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	92.5			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.6			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0712 - EPA 7471A											
Blank (B1G0712-BLK1)						Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0712-BS1)						Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	0.193	0.10	0.019	mg/kg wet	0.200		96.5	80-120			
LCS Dup (B1G0712-BSD1)						Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	0.189	0.10	0.019	mg/kg wet	0.200		94.5	80-120	2.09	20	
Matrix Spike (B1G0712-MS1)						Source: 1102967-01 Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	0.253	0.11	0.021	mg/kg dry	0.225	<0.11	85.9	75-125			
Matrix Spike Dup (B1G0712-MSD1)						Source: 1102967-01 Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	0.253	0.11	0.021	mg/kg dry	0.217	<0.11	89.0	75-125	0.0641	20	
Batch B1G0715 - EPA 3050B											
Blank (B1G0715-BLK1)						Prepared: 07/07/11 Analyzed: 07/14/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0715-BS1)						Prepared: 07/07/11 Analyzed: 07/14/11					
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	41.1	1.0	0.060	mg/kg wet	39.9		103	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.8	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	42.0	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	40.5	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.12	0.25	0.016	mg/kg wet	3.99		103	80-120			
LCS Dup (B1G0715-BSD1)						Prepared: 07/07/11 Analyzed: 07/14/11					
Arsenic	41.4	0.50	0.055	mg/kg wet	39.9		104	80-120	0.926	20	
Barium	41.2	1.0	0.060	mg/kg wet	39.9		103	80-120	0.236	20	
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120	0.0133	20	
Chromium	42.0	0.50	0.012	mg/kg wet	39.9		105	80-120	0.318	20	
Lead	42.1	1.0	0.14	mg/kg wet	39.9		106	80-120	0.215	20	
Selenium	41.0	1.0	0.095	mg/kg wet	39.9		103	80-120	1.06	20	
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120	1.40	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0715 - EPA 3050B											
Matrix Spike (B1G0715-MS1)		Source: 1102964-02			Prepared: 07/07/11		Analyzed: 07/14/11				
Arsenic	40.9	0.51	0.056	mg/kg dry	39.1	1.64	100	75-125			
Barium	54.7	1.0	0.061	mg/kg dry	39.1	17.2	96.0	75-125			
Cadmium	39.5	0.26	0.034	mg/kg dry	39.1	<0.26	101	75-125			
Chromium	47.1	0.51	0.012	mg/kg dry	39.1	8.14	99.5	75-125			
Lead	43.6	1.0	0.14	mg/kg dry	39.1	5.96	96.2	75-125			
Selenium	38.1	1.0	0.097	mg/kg dry	39.1	<1.0	96.9	75-125			
Silver	3.85	0.26	0.016	mg/kg dry	3.91	<0.26	98.4	75-125			
Matrix Spike Dup (B1G0715-MSD1)											
Matrix Spike Dup (B1G0715-MSD1)		Source: 1102964-02			Prepared: 07/07/11		Analyzed: 07/14/11				
Arsenic	40.8	0.48	0.053	mg/kg dry	38.6	1.64	102	75-125	0.124	20	
Barium	55.7	0.97	0.058	mg/kg dry	38.6	17.2	99.8	75-125	1.69	20	
Cadmium	40.0	0.24	0.032	mg/kg dry	38.6	<0.24	103	75-125	1.25	20	
Chromium	48.3	0.48	0.012	mg/kg dry	38.6	8.14	104	75-125	2.62	20	
Lead	44.3	0.97	0.14	mg/kg dry	38.6	5.96	99.4	75-125	1.59	20	
Selenium	38.4	0.97	0.092	mg/kg dry	38.6	<0.97	99.1	75-125	0.794	20	
Silver	3.88	0.24	0.015	mg/kg dry	3.86	<0.24	101	75-125	0.801	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0812 - General Preparation											
Duplicate (B1G0812-DUP1)											
						Source: 1102967-03		Prepared: 07/08/11	Analyzed: 07/11/11		
% Solids	80.0			%		81.0			1.24	20	
Duplicate (B1G0812-DUP2)											
						Source: 1102981-03		Prepared: 07/08/11	Analyzed: 07/11/11		
% Solids	81.0			%		80.0			1.24	20	
Duplicate (B1G0812-DUP3)											
						Source: 1102983-01		Prepared: 07/08/11	Analyzed: 07/11/11		
% Solids	84.0			%		84.0			0.00	20	
Duplicate (B1G0812-DUP4)											
						Source: 1102983-02		Prepared: 07/08/11	Analyzed: 07/11/11		
% Solids	82.0			%		83.0			1.21	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Blank (B1G1218-BLK1)

Prepared & Analyzed: 07/12/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Blank (B1G1218-BLK1)

Prepared & Analyzed: 07/12/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.48			mg/kg wet	6.67		82.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.28			mg/kg wet	6.67		64.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.32			mg/kg wet	6.67		64.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.48			mg/kg wet	6.67		67.2	48.9-100			
Surrogate: Phenol-d6	4.74			mg/kg wet	6.67		71.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.44			mg/kg wet	6.67		66.6	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102964
 Date Reported: 07/19/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

LCS (B1G1218-BS1)

Prepared & Analyzed: 07/12/11

1,2,4-Trichlorobenzene	4.38	0.33	0.031	mg/kg wet	6.67	65.8	59.1-87.7
1,4-Dichlorobenzene	4.16	0.33	0.029	mg/kg wet	6.67	62.3	50.3-72.9
2,4-Dinitrotoluene	4.35	0.33	0.035	mg/kg wet	6.67	65.3	59.8-82.2
2-Chlorophenol	4.86	0.67	0.060	mg/kg wet	6.67	72.9	59.7-77.3
4-Chloro-3-methylphenol	4.87	0.67	0.066	mg/kg wet	6.67	73.1	63.6-80.4
4-Nitrophenol	4.82	0.67	0.093	mg/kg wet	6.67	72.3	57.3-84.9
Anthracene	4.98	0.33	0.036	mg/kg wet	6.67	74.6	67.3-88
Benzo(a)anthracene	5.13	0.33	0.041	mg/kg wet	6.67	77.0	66.5-90.5
Benzo(a)pyrene	5.14	0.33	0.042	mg/kg wet	6.67	77.1	66.1-89.7
Chrysene	5.16	0.33	0.044	mg/kg wet	6.67	77.4	65.5-90.5
Fluoranthene	5.00	0.33	0.039	mg/kg wet	6.67	75.1	66.7-89.9
Fluorene	4.51	0.33	0.035	mg/kg wet	6.67	67.6	66.2-85.6
N-Nitrosodi-n-propylamine	4.45	0.33	0.033	mg/kg wet	6.67	66.7	59.4-78
Pentachlorophenol	4.83	0.67	0.078	mg/kg wet	6.67	72.4	46.7-83.2
Phenanthrene	5.07	0.33	0.036	mg/kg wet	6.67	76.1	67.5-87.9
Phenol	4.26	0.67	0.069	mg/kg wet	6.67	63.8	59.5-76.6
Surrogate: 2,4,6-Tribromophenol	5.15			mg/kg wet	6.67	77.3	53-107
Surrogate: 2-Fluorobiphenyl	4.03			mg/kg wet	6.67	60.5	53.9-97.9
Surrogate: 2-Fluorophenol	4.13			mg/kg wet	6.67	62.0	42.5-94.9
Surrogate: Nitrobenzene-d5	4.38			mg/kg wet	6.67	65.7	48.9-100
Surrogate: Phenol-d6	4.43			mg/kg wet	6.67	66.5	50.4-99.6
Surrogate: Terphenyl-d14	4.33			mg/kg wet	6.67	64.9	51-99.6

Matrix Spike (B1G1218-MS1)

Source: 1102962-02

Prepared: 07/12/11 Analyzed: 07/13/11

1,2,4-Trichlorobenzene	3.84	0.34	0.032	mg/kg dry	6.86	<0.34	56.0	44.8-97.9
1,4-Dichlorobenzene	3.81	0.34	0.030	mg/kg dry	6.86	<0.34	55.5	42.3-77.9
2,4-Dinitrotoluene	4.85	0.34	0.036	mg/kg dry	6.86	<0.34	70.7	57.3-86.6
2-Chlorophenol	3.85	0.68	0.061	mg/kg dry	6.86	<0.68	56.2	43.3-93.2
4-Chloro-3-methylphenol	4.22	0.68	0.067	mg/kg dry	6.86	<0.68	61.6	47.1-97.6
4-Nitrophenol	4.52	0.68	0.095	mg/kg dry	6.86	<0.68	65.9	49.3-96.2
Anthracene	5.31	0.34	0.037	mg/kg dry	6.86	<0.34	77.5	67.5-93.1
Benzo(a)anthracene	5.38	0.34	0.042	mg/kg dry	6.86	<0.34	78.5	59.8-95.7
Benzo(a)pyrene	5.46	0.34	0.043	mg/kg dry	6.86	<0.34	79.6	59.8-92.7
Chrysene	5.43	0.34	0.045	mg/kg dry	6.86	<0.34	79.2	62.5-94.6
Fluoranthene	5.41	0.34	0.040	mg/kg dry	6.86	<0.34	77.9	61.3-92.8
Fluorene	4.78	0.34	0.036	mg/kg dry	6.86	<0.34	69.7	62.8-92.6
N-Nitrosodi-n-propylamine	4.04	0.34	0.034	mg/kg dry	6.86	<0.34	58.9	46.9-89.9
Pentachlorophenol	4.15	0.68	0.080	mg/kg dry	6.86	<0.68	60.4	40.1-95.1
Phenanthrene	5.23	0.34	0.037	mg/kg dry	6.86	<0.34	75.5	65.2-92.2
Phenol	4.00	0.68	0.070	mg/kg dry	6.86	<0.68	58.3	44.7-91

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Matrix Spike (B1G1218-MS1)

Source: 1102962-02

Prepared: 07/12/11

Analyzed: 07/13/11

Surrogate: 2,4,6-Tribromophenol	4.71			mg/kg dry	6.86		68.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.30			mg/kg dry	6.86		62.6	53.9-97.9			
Surrogate: 2-Fluorophenol	4.02			mg/kg dry	6.86		58.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.06			mg/kg dry	6.86		59.1	48.9-100			
Surrogate: Phenol-d6	4.16			mg/kg dry	6.86		60.7	50.4-99.6			
Surrogate: Terphenyl-d14	4.64			mg/kg dry	6.86		67.6	51-99.6			

Matrix Spike Dup (B1G1218-MSD1)

Source: 1102962-02

Prepared: 07/12/11

Analyzed: 07/13/11

1,2,4-Trichlorobenzene	4.02	0.34	0.032	mg/kg dry	6.84	<0.34	58.7	44.8-97.9	4.54	19.6	
1,4-Dichlorobenzene	3.99	0.34	0.030	mg/kg dry	6.84	<0.34	58.4	42.3-77.9	4.73	22.4	
2,4-Dinitrotoluene	4.62	0.34	0.036	mg/kg dry	6.84	<0.34	67.5	57.3-86.6	4.84	19.5	
2-Chlorophenol	4.05	0.68	0.061	mg/kg dry	6.84	<0.68	59.2	43.3-93.2	4.90	23.7	
4-Chloro-3-methylphenol	4.35	0.68	0.067	mg/kg dry	6.84	<0.68	63.6	47.1-97.6	2.95	18.3	
4-Nitrophenol	4.34	0.68	0.095	mg/kg dry	6.84	<0.68	63.5	49.3-96.2	4.02	20.4	
Anthracene	5.02	0.34	0.037	mg/kg dry	6.84	<0.34	73.4	67.5-93.1	5.63	19.9	
Benzo(a)anthracene	4.96	0.34	0.042	mg/kg dry	6.84	<0.34	72.5	59.8-95.7	8.23	23.4	
Benzo(a)pyrene	5.09	0.34	0.043	mg/kg dry	6.84	<0.34	74.5	59.8-92.7	6.99	21.1	
Chrysene	5.01	0.34	0.045	mg/kg dry	6.84	<0.34	73.2	62.5-94.6	8.07	24.8	
Fluoranthene	4.97	0.34	0.040	mg/kg dry	6.84	<0.34	71.6	61.3-92.8	8.49	21.8	
Fluorene	4.83	0.34	0.036	mg/kg dry	6.84	<0.34	70.7	62.8-92.6	1.08	17.6	
N-Nitrosodi-n-propylamine	4.23	0.34	0.034	mg/kg dry	6.84	<0.34	61.9	46.9-89.9	4.66	18.9	
Pentachlorophenol	3.89	0.68	0.080	mg/kg dry	6.84	<0.68	56.9	40.1-95.1	6.31	19.7	
Phenanthrene	4.98	0.34	0.037	mg/kg dry	6.84	<0.34	72.1	65.2-92.2	4.82	20.5	
Phenol	4.16	0.68	0.070	mg/kg dry	6.84	<0.68	60.8	44.7-91	3.90	17.9	
Surrogate: 2,4,6-Tribromophenol	4.24			mg/kg dry	6.84		62.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.27			mg/kg dry	6.84		62.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.97			mg/kg dry	6.84		58.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.02			mg/kg dry	6.84		58.8	48.9-100			
Surrogate: Phenol-d6	4.10			mg/kg dry	6.84		59.9	50.4-99.6			
Surrogate: Terphenyl-d14	4.12			mg/kg dry	6.84		60.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	42.7			ug/L	50.0		85.3	80-124			
Surrogate: Dibromofluoromethane	46.5			ug/L	50.0		92.9	77.1-123			
Surrogate: Toluene-d8	45.1			ug/L	50.0		90.3	78.1-125			

LCS (B1G0502-BS1)

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	51.0			ug/L	50.0		102	75-120			
1,1-Dichloroethane	42.8			ug/L	50.0		85.7	79.6-120			
1,1-Dichloroethene	43.7			ug/L	50.0		87.5	78.3-120			
1,3,5-Trimethylbenzene	50.3			ug/L	50.0		101	77-120			
1,4-Dichlorobenzene	52.1			ug/L	50.0		104	75-125			
2-Chlorotoluene	52.2			ug/L	50.0		104	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

LCS (B1G0502-BS1)

Prepared & Analyzed: 07/05/11

Benzene	48.3			ug/L	50.0		96.6	80-120			
Bromoform	48.1			ug/L	50.0		96.3	80-120			
Chlorobenzene	49.1			ug/L	50.0		98.2	80-120			
Chloroform	47.0			ug/L	50.0		93.9	80-120			
Ethylbenzene	49.8			ug/L	50.0		99.6	80-120			
n-Butylbenzene	49.5			ug/L	50.0		99.0	75-125			
n-Propylbenzene	52.4			ug/L	50.0		105	75-120			
Toluene	49.1			ug/L	50.0		98.2	80-120			
Trichloroethene	49.1			ug/L	50.0		98.1	80-120			
Vinyl chloride	49.3			ug/L	50.0		98.6	75-130			
Surrogate: 4-Bromofluorobenzene	47.3			ug/L	50.0		94.6	80-124			
Surrogate: Dibromofluoromethane	46.7			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	46.7			ug/L	50.0		93.5	78.1-125			

Matrix Spike (B1G0502-MS1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	51.8			ug/L	50.0	<	104	75-125			
1,1-Dichloroethane	43.9			ug/L	50.0	<	87.8	78.7-123			
1,1-Dichloroethene	42.7			ug/L	50.0	<	85.4	75.8-121			
1,3,5-Trimethylbenzene	51.3			ug/L	50.0	<	103	75-120			
1,4-Dichlorobenzene	52.7			ug/L	50.0	<	105	75-125			
2-Chlorotoluene	52.8			ug/L	50.0	<	106	75-120			
Benzene	47.5			ug/L	50.0	<	95.1	80-120			
Bromoform	48.7			ug/L	50.0	<	97.3	80-120			
Chlorobenzene	51.6			ug/L	50.0	<	103	80-120			
Chloroform	45.9			ug/L	50.0	<	91.8	80-120			
Ethylbenzene	51.0			ug/L	50.0	<	102	80-120			
n-Butylbenzene	51.4			ug/L	50.0	<	103	73.8-125			
n-Propylbenzene	52.8			ug/L	50.0	<	106	75-120			
Toluene	48.7			ug/L	50.0	<	97.5	80-120			
Trichloroethene	49.6			ug/L	50.0	<	99.2	80-120			
Vinyl chloride	47.5			ug/L	50.0	<	95.1	74.8-130			
Surrogate: 4-Bromofluorobenzene	46.9			ug/L	50.0		93.8	80-124			
Surrogate: Dibromofluoromethane	46.7			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	45.7			ug/L	50.0		91.4	78.1-125			

Matrix Spike Dup (B1G0502-MSD1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	49.6			ug/L	50.0	<	99.1	75-125	4.41	20	
1,1-Dichloroethane	43.4			ug/L	50.0	<	86.8	78.7-123	1.14	20	
1,1-Dichloroethene	43.6			ug/L	50.0	<	87.2	75.8-121	2.02	20	
1,3,5-Trimethylbenzene	50.3			ug/L	50.0	<	101	75-120	2.04	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0502 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1G0502-MSD1)		Source: 1102929-01			Prepared & Analyzed: 07/05/11						
1,4-Dichlorobenzene	52.5			ug/L	50.0	<	105	75-125	0.519	20	
2-Chlorotoluene	50.7			ug/L	50.0	<	101	75-120	4.18	20	
Benzene	47.7			ug/L	50.0	<	95.5	80-120	0.435	20	
Bromoform	49.1			ug/L	50.0	<	98.2	80-120	0.852	20	
Chlorobenzene	50.7			ug/L	50.0	<	101	80-120	1.83	20	
Chloroform	45.5			ug/L	50.0	<	90.9	80-120	0.918	20	
Ethylbenzene	50.8			ug/L	50.0	<	102	80-120	0.427	20	
n-Butylbenzene	49.2			ug/L	50.0	<	98.5	73.8-125	4.25	20	
n-Propylbenzene	50.7			ug/L	50.0	<	101	75-120	3.89	20	
Toluene	47.9			ug/L	50.0	<	95.8	80-120	1.73	20	
Trichloroethene	48.9			ug/L	50.0	<	97.9	80-120	1.28	20	
Vinyl chloride	47.5			ug/L	50.0	<	94.9	74.8-130	0.181	20	
Surrogate: 4-Bromofluorobenzene	47.1			ug/L	50.0		94.3	80-124			
Surrogate: Dibromofluoromethane	47.3			ug/L	50.0		94.5	77.1-123			
Surrogate: Toluene-d8	46.4			ug/L	50.0		92.8	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102964 Date Reported: 07/19/11
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Notes and Definitions

W-03 The initial sample weight was less than 8.0 grams.
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 Hwy. 77th Street
BARR Minneapolis, MN 55431-4803 (932) 832-2600

Project Number: 2311-1092.00 **88E 810**
Project Name: **WMore East - BG/Navy**
Sample Origination Site: **MM** (use two letter postal state abbreviation)

COC Number: **No 33973**

COC 2 of 2
Project Manager: **SJME**
Project OC Contact: **AAN**
Sampled by: **KRS**
Laboratory: **Legend**

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type			Total Number Of Containers
						Soil	Water	Other	
1. 30SD-TT2-Nucleo	0.5	0.5	ft	06/28/11	1500	X	X		2
2. BSD-TT2	0.5	0.5	ft	↓	1000	X	X		3
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

Analysis: **Analyze VOCs**
Analyze PCRA
Metals

Number of Containers/Preservative

Water	Soil
VOCs (Iared MeOH) #1	X
GRO, BTEX (Iared MeOH) #2	
DRO (Iared unpreserved)	
Metals (unpreserved)	
SVOCS (unpreserved) #3	X
% Solids (plastic vial, unpres.)	

Relinquished By: **Just Samples** Date: **06/21/11** Time: **0545**
Relinquished By: Date: Time:
Received by: **Brown** Date: **6/27/11** Time: **10:00**

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GRO, TPH, B260 P&H List
#2 - Semivolatile Organics = PAHs, PCB, Dioxin, B270 P&H List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phosphate, Ammonia Nitrogen, TKN

Samples Shipped VIA: Air Freight Federal Express Sampler Other:
Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator **2.7**



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102965
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/30/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
501A2-SS1_0.5-0.5	1102965-01	Soil	06/29/11 09:15	06/30/11 10:00
501B2-SS1_0.5-0.5	1102965-02	Soil	06/29/11 08:15	06/30/11 10:00
501C2-SS1_0.5-0.5	1102965-03	Soil	06/29/11 08:30	06/30/11 10:00
FB-1	1102965-04	Water	06/29/11 09:30	06/30/11 10:00
501E2-SS1_0.5-0.5	1102965-05	Soil	06/29/11 10:00	06/30/11 10:00
501F1D-SS1_0.5-0.5	1102965-06	Soil	06/29/11 16:00	06/30/11 10:00

Shipping Container Information

Default Cooler Temperature (°C): 3.1

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-SS1_0.5-0.5 (1102965-01) Soil Sampled: 06/29/11 09:15 Received: 06/30/11 10:00										
Arsenic	3.2	0.54	0.059	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	41	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	11	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	8.6	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
501B2-SS1_0.5-0.5 (1102965-02) Soil Sampled: 06/29/11 08:15 Received: 06/30/11 10:00										
Arsenic	2.7	0.52	0.057	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	60	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	10	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	4.3	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
501C2-SS1_0.5-0.5 (1102965-03) Soil Sampled: 06/29/11 08:30 Received: 06/30/11 10:00										
Arsenic	2.7	0.55	0.060	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	39	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	14	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	5.3	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
FB-1 (1102965-04) Water Sampled: 06/29/11 09:30 Received: 06/30/11 10:00										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G0629	07/06/11	07/07/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
501E2-SS1_0.5-0.5 (1102965-05) Soil Sampled: 06/29/11 10:00 Received: 06/30/11 10:00										
Arsenic	1.7	0.56	0.061	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501E2-SS1_0.5-0.5 (1102965-05) Soil Sampled: 06/29/11 10:00 Received: 06/30/11 10:00										
Barium	23	1.1	0.067	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	8.4	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	6.4	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
501F1D-SS1_0.5-0.5 (1102965-06) Soil Sampled: 06/29/11 16:00 Received: 06/30/11 10:00										
Arsenic	3.9	0.53	0.058	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Barium	62	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	11	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	6.6	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.098	0.098	0.019	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0714	07/07/11	07/11/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-SS1_0.5-0.5 (1102965-01) Soil Sampled: 06/29/11 09:15 Received: 06/30/11 10:00										
Aroclor 1016	<0.22	0.22	0.0085	mg/kg dry	1	B1G1110	07/11/11	07/12/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.22	0.22	0.0063	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	96.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	90.5			60.9-138 %		"	"	"	"	
501B2-SS1_0.5-0.5 (1102965-02) Soil Sampled: 06/29/11 08:15 Received: 06/30/11 10:00										
Aroclor 1016	<0.21	0.21	0.0082	mg/kg dry	1	B1G1110	07/11/11	07/12/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	76.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	84.5			60.9-138 %		"	"	"	"	
501C2-SS1_0.5-0.5 (1102965-03) Soil Sampled: 06/29/11 08:30 Received: 06/30/11 10:00										
Aroclor 1016	<0.22	0.22	0.0087	mg/kg dry	1	B1G1110	07/11/11	07/12/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.044	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.044	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.22	0.22	0.0065	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	88.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	89.0			60.9-138 %		"	"	"	"	
501E2-SS1_0.5-0.5 (1102965-05) Soil Sampled: 06/29/11 10:00 Received: 06/30/11 10:00										
Aroclor 1016	<0.22	0.22	0.0088	mg/kg dry	1	B1G1110	07/11/11	07/12/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.026	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.044	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.044	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.22	0.22	0.0066	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	91.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	93.0			60.9-138 %		"	"	"	"	

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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1D-SS1_0.5-0.5 (1102965-06) Soil Sampled: 06/29/11 16:00 Received: 06/30/11 10:00										
Aroclor 1016	<0.21	0.21	0.0083	mg/kg dry	1	B1G1110	07/11/11	07/12/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0062	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	102			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	93.0			60.9-138 %		"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-SS1_0.5-0.5 (1102965-01) Soil	Sampled: 06/29/11 09:15		Received: 06/30/11 10:00							
% Solids	93			%	1	B1G0812	07/08/11	07/11/11	% calculation	
501B2-SS1_0.5-0.5 (1102965-02) Soil	Sampled: 06/29/11 08:15		Received: 06/30/11 10:00							
% Solids	96			%	1	B1G0812	07/08/11	07/11/11	% calculation	
501C2-SS1_0.5-0.5 (1102965-03) Soil	Sampled: 06/29/11 08:30		Received: 06/30/11 10:00							
% Solids	91			%	1	B1G0812	07/08/11	07/11/11	% calculation	
501E2-SS1_0.5-0.5 (1102965-05) Soil	Sampled: 06/29/11 10:00		Received: 06/30/11 10:00							
% Solids	90			%	1	B1G0812	07/08/11	07/11/11	% calculation	
501F1D-SS1_0.5-0.5 (1102965-06) Soil	Sampled: 06/29/11 16:00		Received: 06/30/11 10:00							
% Solids	95			%	1	B1G0812	07/08/11	07/11/11	% calculation	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-SS1_0.5-0.5 (1102965-01) Soil Sampled: 06/29/11 09:15 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.044	0.35	0.039	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.44	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	1.1	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	2.6	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	2.2	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	2.7	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	1.0	0.35	0.046	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-SS1_0.5-0.5 (1102965-01) Soil Sampled: 06/29/11 09:15 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	1.2	0.35	0.052	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	0.46	0.35	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	2.5	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.31	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.20	0.35	0.035	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	5.3	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	0.44	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	1.1	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	0.053	0.35	0.035	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	3.9	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	4.5	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	82.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	75.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	77.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	81.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501B2-SS1_0.5-0.5 (1102965-02) Soil Sampled: 06/29/11 08:15 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.20	0.34	0.040	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	0.38	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.90	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.68	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.90	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.40	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501B2-SS1_0.5-0.5 (1102965-02) Soil Sampled: 06/29/11 08:15 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	0.35	0.34	0.050	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	0.16	0.34	0.036	mg/kg dry	1	"	"	"	"	J
Chrysene	0.87	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.097	0.34	0.045	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.064	0.34	0.034	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	1.9	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	0.17	0.34	0.036	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.36	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	1.5	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	1.6	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	82.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	74.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	81.8			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00-48RI-810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102965
 Date Reported: 07/19/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501C2-SS1_0.5-0.5 (1102965-03) Soil Sampled: 06/29/11 08:30 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.15	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.13	0.36	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.19	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.073	0.36	0.047	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501C2-SS1_0.5-0.5 (1102965-03) Soil Sampled: 06/29/11 08:30 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	0.077	0.36	0.053	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	J
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	0.17	0.36	0.048	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.32	0.36	0.043	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.079	0.36	0.044	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.22	0.36	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	0.29	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	58.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	57.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	54.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	55.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	57.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	60.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-1 (1102965-04) Water Sampled: 06/29/11 09:30 Received: 06/30/11 10:00

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G0504	07/05/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1102965-04) Water Sampled: 06/29/11 09:30 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G0504	07/05/11	07/05/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.5			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	83.8			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.2			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.9			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	64.5			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	101			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501E2-SS1_0.5-0.5 (1102965-05) Soil Sampled: 06/29/11 10:00 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.068	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.063	0.37	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.097	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.049	0.37	0.048	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00-48RI-810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102965
 Date Reported: 07/19/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501E2-SS1_0.5-0.5 (1102965-05) Soil Sampled: 06/29/11 10:00 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	0.086	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.13	0.37	0.043	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.047	0.37	0.044	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.060	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	0.12	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	69.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1D-SS1_0.5-0.5 (1102965-06) Soil Sampled: 06/29/11 16:00 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.079	0.71	0.079	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.063	0.71	0.063	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.71	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.71	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.71	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1D-SS1_0.5-0.5 (1102965-06) Soil Sampled: 06/29/11 16:00 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
Benzoic acid	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	73.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	72.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	75.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1D-SS1_0.5-0.5 (1102965-06) Soil										W-03
Sampled: 06/29/11 16:00 Received: 06/30/11 10:00										
1,1,1,2-Tetrachloroethane	<0.15	0.64	0.15	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.081	0.64	0.081	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.066	0.64	0.066	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.086	0.64	0.086	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.17	0.64	0.17	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.058	0.64	0.058	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.064	0.64	0.064	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.053	0.64	0.053	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.16	1.3	0.16	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.061	0.64	0.061	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.069	1.3	0.069	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.046	0.64	0.046	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.18	1.3	0.18	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.056	0.64	0.056	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.051	0.64	0.051	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.069	0.64	0.069	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.079	0.64	0.079	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.051	0.64	0.051	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.066	0.64	0.066	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.056	0.64	0.056	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.043	0.64	0.043	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.15	1.3	0.15	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.22	5.1	0.22	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.036	0.64	0.036	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.053	0.64	0.053	mg/kg dry	1	"	"	"	"	
Acetone	<0.48	5.1	0.48	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.15	1.3	0.15	mg/kg dry	1	"	"	"	"	
Benzene	<0.038	0.64	0.038	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.069	0.64	0.069	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.094	0.64	0.094	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.069	0.64	0.069	mg/kg dry	1	"	"	"	"	
Bromoform	<0.069	1.3	0.069	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.28	1.3	0.28	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.086	0.64	0.086	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.048	0.64	0.048	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.094	0.64	0.094	mg/kg dry	1	"	"	"	"	
Chloroform	<0.053	0.64	0.053	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.16	0.64	0.16	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.066	0.64	0.066	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1D-SS1_0.5-0.5 (1102965-06) Soil										W-03
Sampled: 06/29/11 16:00 Received: 06/30/11 10:00										
cis-1,3-Dichloropropene	<0.056	0.64	0.056	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Dibromochloromethane	<0.086	0.64	0.086	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.074	0.64	0.074	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	1.3	0.25	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.097	0.64	0.097	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.097	1.3	0.097	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.028	0.64	0.028	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.18	2.5	0.18	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.048	0.64	0.048	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.12	1.3	0.12	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.21	1.3	0.21	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.041	0.64	0.041	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.15	2.5	0.15	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.14	1.3	0.14	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.069	0.64	0.069	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.053	0.64	0.053	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.064	0.64	0.064	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.036	0.64	0.036	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.043	0.64	0.043	mg/kg dry	1	"	"	"	"	
Styrene	<0.051	0.64	0.051	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.046	0.64	0.046	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.071	0.64	0.071	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.31	5.1	0.31	mg/kg dry	1	"	"	"	"	
Toluene	<0.041	0.64	0.041	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.076	0.64	0.076	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.058	0.64	0.058	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.10	0.64	0.10	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.089	0.64	0.089	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.17	0.64	0.17	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	88.3			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	93.2			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.8			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0602 - EPA 200.7/3005A Digestion

Blank (B1G0602-BLK1)

Prepared & Analyzed: 07/06/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1G0602-BS1)

Prepared & Analyzed: 07/06/11

Arsenic	0.419	0.010	0.0011	mg/L	0.399		105	80-120			
Barium	0.412	0.020	0.0012	mg/L	0.399		103	80-120			
Cadmium	0.419	0.0010	0.00013	mg/L	0.399		105	80-120			
Chromium	0.426	0.010	0.00024	mg/L	0.399		107	80-120			
Lead	0.423	0.0030	0.00042	mg/L	0.399		106	80-120			
Selenium	0.413	0.020	0.0019	mg/L	0.399		104	80-120			
Silver	0.0437	0.0050	0.00031	mg/L	0.0399		109	80-120			

LCS Dup (B1G0602-BSD1)

Prepared & Analyzed: 07/06/11

Arsenic	0.411	0.010	0.0011	mg/L	0.399		103	80-120	1.83	20	
Barium	0.415	0.020	0.0012	mg/L	0.399		104	80-120	0.714	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399		103	80-120	1.38	20	
Chromium	0.419	0.010	0.00024	mg/L	0.399		105	80-120	1.65	20	
Lead	0.415	0.0030	0.00042	mg/L	0.399		104	80-120	1.84	20	
Selenium	0.408	0.020	0.0019	mg/L	0.399		102	80-120	1.16	20	
Silver	0.0425	0.0050	0.00031	mg/L	0.0399		107	80-120	2.70	20	

Matrix Spike (B1G0602-MS1)

Source: 1102988-04

Prepared & Analyzed: 07/06/11

Arsenic	0.417	0.010	0.0011	mg/L	0.399	<0.010	104	75-125			
Barium	0.416	0.020	0.0012	mg/L	0.399	<0.020	104	75-125			
Cadmium	0.415	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125			
Chromium	0.423	0.010	0.00024	mg/L	0.399	<0.010	106	75-125			
Lead	0.418	0.0030	0.00042	mg/L	0.399	<0.0030	105	75-125			
Selenium	0.409	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0429	0.0050	0.00031	mg/L	0.0399	<0.0050	107	75-125			

Matrix Spike Dup (B1G0602-MSD1)

Source: 1102988-04

Prepared & Analyzed: 07/06/11

Arsenic	0.413	0.010	0.0011	mg/L	0.399	<0.010	104	75-125	0.809	20	
Barium	0.414	0.020	0.0012	mg/L	0.399	<0.020	104	75-125	0.447	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125	0.273	20	
Chromium	0.421	0.010	0.00024	mg/L	0.399	<0.010	105	75-125	0.595	20	
Lead	0.416	0.0030	0.00042	mg/L	0.399	<0.0030	104	75-125	0.517	20	
Selenium	0.407	0.020	0.0019	mg/L	0.399	<0.020	101	75-125	0.541	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0602 - EPA 200.7/3005A Digestion											
Matrix Spike Dup (B1G0602-MSD1)		Source: 1102988-04			Prepared & Analyzed: 07/06/11						
Mercury	0.0424	0.0050	0.00031	mg/L	0.0399	<0.0050	105	75-125	1.15	20	
Batch B1G0629 - EPA 245.1/7470A Digestion											
Blank (B1G0629-BLK1)		Prepared: 07/06/11 Analyzed: 07/07/11									
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1G0629-BS1)		Prepared: 07/06/11 Analyzed: 07/07/11									
Mercury	0.00201	0.00020	0.000037	mg/L	0.00200		100	80-120			
LCS Dup (B1G0629-BSD1)		Prepared: 07/06/11 Analyzed: 07/07/11									
Mercury	0.00176	0.00020	0.000037	mg/L	0.00200		88.0	80-120	13.3	20	
Matrix Spike (B1G0629-MS1)		Source: 1102809-01			Prepared: 07/06/11 Analyzed: 07/07/11						
Mercury	0.00217	0.00020	0.000037	mg/L	0.00200	0.000548	81.1	75-125			
Matrix Spike Dup (B1G0629-MSD1)		Source: 1102809-01			Prepared: 07/06/11 Analyzed: 07/07/11						
Mercury	0.00226	0.00020	0.000037	mg/L	0.00200	0.000548	85.6	75-125	4.06	20	
Batch B1G0712 - EPA 7471A											
Blank (B1G0712-BLK1)		Prepared: 07/07/11 Analyzed: 07/18/11									
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0712-BS1)		Prepared: 07/07/11 Analyzed: 07/18/11									
Mercury	0.193	0.10	0.019	mg/kg wet	0.200		96.5	80-120			
LCS Dup (B1G0712-BSD1)		Prepared: 07/07/11 Analyzed: 07/18/11									
Mercury	0.189	0.10	0.019	mg/kg wet	0.200		94.5	80-120	2.09	20	
Matrix Spike (B1G0712-MS1)		Source: 1102967-01			Prepared: 07/07/11 Analyzed: 07/18/11						
Mercury	0.253	0.11	0.021	mg/kg dry	0.225	<0.11	85.9	75-125			
Matrix Spike Dup (B1G0712-MSD1)		Source: 1102967-01			Prepared: 07/07/11 Analyzed: 07/18/11						
Mercury	0.253	0.11	0.021	mg/kg dry	0.217	<0.11	89.0	75-125	0.0641	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0714 - EPA 3050B

Blank (B1G0714-BLK1)

Prepared: 07/07/11 Analyzed: 07/11/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G0714-BS1)

Prepared: 07/07/11 Analyzed: 07/11/11

Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	43.3	1.0	0.060	mg/kg wet	39.9		109	80-120			
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.0	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	41.5	1.0	0.095	mg/kg wet	39.9		104	80-120			
Silver	4.09	0.25	0.016	mg/kg wet	3.99		103	80-120			

LCS Dup (B1G0714-BSD1)

Prepared: 07/07/11 Analyzed: 07/11/11

Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120	0.126	20	
Barium	43.1	1.0	0.060	mg/kg wet	39.9		108	80-120	0.575	20	
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120	0.0230	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120	0.0360	20	
Lead	40.8	1.0	0.14	mg/kg wet	39.9		102	80-120	0.409	20	
Selenium	41.4	1.0	0.095	mg/kg wet	39.9		104	80-120	0.0976	20	
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120	1.51	20	

Matrix Spike (B1G0714-MS1)

Source: 1102962-01

Prepared: 07/07/11 Analyzed: 07/11/11

Arsenic	42.4	0.49	0.054	mg/kg dry	39.0	2.90	101	75-125			
Barium	80.6	0.98	0.059	mg/kg dry	39.0	36.4	113	75-125			
Cadmium	39.5	0.24	0.032	mg/kg dry	39.0	<0.24	101	75-125			
Chromium	49.6	0.49	0.012	mg/kg dry	39.0	13.3	92.9	75-125			
Lead	39.4	0.98	0.14	mg/kg dry	39.0	3.14	92.9	75-125			
Selenium	38.2	0.98	0.093	mg/kg dry	39.0	<0.98	97.9	75-125			
Silver	3.81	0.24	0.016	mg/kg dry	3.90	<0.24	97.5	75-125			

Matrix Spike Dup (B1G0714-MSD1)

Source: 1102962-01

Prepared: 07/07/11 Analyzed: 07/11/11

Arsenic	42.0	0.49	0.054	mg/kg dry	38.9	2.90	101	75-125	0.977	20	
Barium	73.9	0.97	0.058	mg/kg dry	38.9	36.4	96.4	75-125	8.66	20	
Cadmium	39.4	0.24	0.032	mg/kg dry	38.9	<0.24	101	75-125	0.353	20	
Chromium	50.5	0.49	0.012	mg/kg dry	38.9	13.3	95.7	75-125	1.85	20	
Lead	39.1	0.97	0.14	mg/kg dry	38.9	3.14	92.6	75-125	0.664	20	
Selenium	38.4	0.97	0.093	mg/kg dry	38.9	<0.97	98.7	75-125	0.398	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0714 - EPA 3050B											
Matrix Spike Dup (B1G0714-MSD1)											
	Source: 1102962-01					Prepared: 07/07/11		Analyzed: 07/11/11			
Silver	3.82	0.24	0.016	mg/kg dry	3.89	<0.24	98.2	75-125	0.300	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1110 - EPA 3545 ASE Extraction											
Blank (B1G1110-BLK1)											
						Prepared: 07/11/11 Analyzed: 07/12/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0660			mg/kg wet	0.0667		99.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0610			mg/kg wet	0.0667		91.5	60.9-138			
LCS (B1G1110-BS1)											
						Prepared: 07/11/11 Analyzed: 07/12/11					
Aroclor 1260	0.337	0.20	0.0059	mg/kg wet	0.333		101	70-130			
Surrogate: Decachlorobiphenyl	0.0660			mg/kg wet	0.0667		99.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0610			mg/kg wet	0.0667		91.5	60.9-138			
Matrix Spike (B1G1110-MS1)											
						Source: 1102962-02 Prepared: 07/11/11 Analyzed: 07/12/11					
Aroclor 1260	0.352	0.20	0.0060	mg/kg dry	0.344	<0.20	102	70-130			
Surrogate: Decachlorobiphenyl	0.0685			mg/kg dry	0.0688		99.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0630			mg/kg dry	0.0688		91.5	60.9-138			
Matrix Spike Dup (B1G1110-MSD1)											
						Source: 1102962-02 Prepared: 07/11/11 Analyzed: 07/12/11					
Aroclor 1260	0.354	0.20	0.0060	mg/kg dry	0.340	<0.20	104	70-130	0.508	17.2	
Surrogate: Decachlorobiphenyl	0.0680			mg/kg dry	0.0680		100	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0633			mg/kg dry	0.0680		93.0	60.9-138			

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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0812 - General Preparation											
Duplicate (B1G0812-DUP1)							Source: 1102967-03				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	80.0			%		81.0			1.24	20	
Duplicate (B1G0812-DUP2)							Source: 1102981-03				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	81.0			%		80.0			1.24	20	
Duplicate (B1G0812-DUP3)							Source: 1102983-01				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	84.0			%		84.0			0.00	20	
Duplicate (B1G0812-DUP4)							Source: 1102983-02				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	82.0			%		83.0			1.21	20	

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0504 - EPA 3510C (Sep Funnel)

Blank (B1G0504-BLK1)

Prepared & Analyzed: 07/05/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0504 - EPA 3510C (Sep Funnel)

Blank (B1G0504-BLK1)

Prepared & Analyzed: 07/05/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	86.3			ug/L	100		86.3	30-122			
Surrogate: 2-Fluorobiphenyl	82.9			ug/L	100		82.9	39.2-104			
Surrogate: 2-Fluorophenol	73.8			ug/L	100		73.8	30-80.1			
Surrogate: Nitrobenzene-d5	83.5			ug/L	100		83.5	51.2-103			
Surrogate: Phenol-d6	64.2			ug/L	100		64.2	30-75.3			
Surrogate: Terphenyl-d14	98.4			ug/L	100		98.4	30-116			

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0504 - EPA 3510C (Sep Funnel)

LCS (B1G0504-BS1)

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	61.1	10	0.30	ug/L	100		61.1	47.4-88.7			
1,4-Dichlorobenzene	60.0	10	0.29	ug/L	100		60.0	39.5-81			
2,4-Dinitrotoluene	91.7	10	0.45	ug/L	100		91.7	67.2-99.3			
2-Chlorophenol	80.8	10	0.39	ug/L	100		80.8	56.5-85.9			
4-Chloro-3-methylphenol	92.1	10	0.48	ug/L	100		92.1	62.1-98.2			
4-Nitrophenol	93.2	10	0.78	ug/L	100		93.2	40.5-98.5			
Anthracene	90.6	10	0.56	ug/L	100		90.6	70.6-95.3			
Benzo(a)anthracene	89.2	10	0.50	ug/L	100		89.2	73.7-96.6			
Benzo(a)pyrene	88.5	10	0.41	ug/L	100		88.5	70.9-92.6			
Chrysene	91.7	10	0.61	ug/L	100		91.7	71.8-97.5			
Fluoranthene	94.3	10	0.61	ug/L	100		94.3	73.6-96.8			
Fluorene	84.2	10	0.52	ug/L	100		84.2	69.3-93.3			
N-Nitrosodi-n-propylamine	79.9	10	0.25	ug/L	100		79.9	65.9-89.3			
Pentachlorophenol	91.2	10	0.90	ug/L	100		91.2	55-107			
Phenanthrene	90.9	10	0.35	ug/L	100		90.9	72.5-97.6			
Phenol	66.2	10	0.41	ug/L	100		66.2	34.1-71.6			
Surrogate: 2,4,6-Tribromophenol	84.3			ug/L	100		84.3	30-122			
Surrogate: 2-Fluorobiphenyl	77.9			ug/L	100		77.9	39.2-104			
Surrogate: 2-Fluorophenol	69.8			ug/L	100		69.8	30-80.1			
Surrogate: Nitrobenzene-d5	79.5			ug/L	100		79.5	51.2-103			
Surrogate: Phenol-d6	63.6			ug/L	100		63.6	30-75.3			
Surrogate: Terphenyl-d14	81.5			ug/L	100		81.5	30-116			

Matrix Spike (B1G0504-MS1)

Source: 1102949-02

Prepared & Analyzed: 07/05/11

1,2,4-Trichlorobenzene	64.9	9.3	0.28	ug/L	93.5	<9.3	69.5	39.2-90.6			
1,4-Dichlorobenzene	62.3	9.3	0.27	ug/L	93.5	<9.3	66.6	34.1-81.6			
2,4-Dinitrotoluene	88.1	9.3	0.42	ug/L	93.5	<9.3	94.3	41.1-110			
2-Chlorophenol	82.7	9.3	0.36	ug/L	93.5	<9.3	88.5	30-96.4			
4-Chloro-3-methylphenol	92.1	9.3	0.45	ug/L	93.5	<9.3	98.5	30-113			
4-Nitrophenol	87.8	9.3	0.73	ug/L	93.5	<9.3	93.9	30-112			
Anthracene	92.1	9.3	0.52	ug/L	93.5	<9.3	98.6	30-119			
Benzo(a)anthracene	91.1	9.3	0.47	ug/L	93.5	<9.3	97.5	30-122			
Benzo(a)pyrene	89.7	9.3	0.38	ug/L	93.5	<9.3	95.9	30-118			
Chrysene	93.3	9.3	0.57	ug/L	93.5	<9.3	99.8	30-125			
Fluoranthene	93.7	9.3	0.57	ug/L	93.5	<9.3	100	31.6-119			
Fluorene	84.8	9.3	0.49	ug/L	93.5	<9.3	90.7	40.8-107			
N-Nitrosodi-n-propylamine	79.9	9.3	0.23	ug/L	93.5	<9.3	85.4	47.2-94.8			
Pentachlorophenol	95.9	9.3	0.84	ug/L	93.5	<9.3	103	30-130			
Phenanthrene	92.1	9.3	0.33	ug/L	93.5	<9.3	98.5	38.2-117			
Phenol	64.2	9.3	0.38	ug/L	93.5	<9.3	68.7	30-80			

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0504 - EPA 3510C (Sep Funnel)

Matrix Spike (B1G0504-MS1)

Source: 1102949-02

Prepared & Analyzed: 07/05/11

Surrogate: 2,4,6-Tribromophenol	90.3			ug/L	93.5		96.6	30-122			
Surrogate: 2-Fluorobiphenyl	81.8			ug/L	93.5		87.5	39.2-104			
Surrogate: 2-Fluorophenol	71.1			ug/L	93.5		76.1	30-80.1			
Surrogate: Nitrobenzene-d5	80.5			ug/L	93.5		86.1	51.2-103			
Surrogate: Phenol-d6	62.2			ug/L	93.5		66.5	30-75.3			
Surrogate: Terphenyl-d14	85.8			ug/L	93.5		91.8	30-116			

Matrix Spike Dup (B1G0504-MSD1)

Source: 1102949-02

Prepared & Analyzed: 07/05/11

1,2,4-Trichlorobenzene	62.0	9.3	0.28	ug/L	92.6	<9.3	66.9	39.2-90.6	4.68	23.6	
1,4-Dichlorobenzene	57.7	9.3	0.27	ug/L	92.6	<9.3	62.3	34.1-81.6	7.62	22.4	
2,4-Dinitrotoluene	86.7	9.3	0.42	ug/L	92.6	<9.3	93.6	41.1-110	1.66	17.2	
2-Chlorophenol	80.7	9.3	0.36	ug/L	92.6	<9.3	87.1	30-96.4	2.45	23.7	
4-Chloro-3-methylphenol	90.9	9.3	0.44	ug/L	92.6	<9.3	98.1	30-113	1.31	24.1	
4-Nitrophenol	86.4	9.3	0.72	ug/L	92.6	<9.3	93.3	30-112	1.61	34.3	
Anthracene	90.4	9.3	0.52	ug/L	92.6	<9.3	97.6	30-119	1.89	24.5	
Benzo(a)anthracene	89.7	9.3	0.46	ug/L	92.6	<9.3	96.8	30-122	1.58	27.8	
Benzo(a)pyrene	88.9	9.3	0.38	ug/L	92.6	<9.3	96.0	30-118	0.873	27.1	
Chrysene	91.1	9.3	0.56	ug/L	92.6	<9.3	98.4	30-125	2.40	28	
Fluoranthene	91.1	9.3	0.56	ug/L	92.6	<9.3	98.4	31.6-119	2.79	25.9	
Fluorene	83.1	9.3	0.48	ug/L	92.6	<9.3	89.8	40.8-107	1.97	20.6	
N-Nitrosodi-n-propylamine	78.7	9.3	0.23	ug/L	92.6	<9.3	85.0	47.2-94.8	1.42	15.8	
Pentachlorophenol	93.1	9.3	0.83	ug/L	92.6	<9.3	101	30-130	2.96	25.5	
Phenanthrene	90.3	9.3	0.32	ug/L	92.6	<9.3	97.5	38.2-117	1.98	19.3	
Phenol	63.9	9.3	0.38	ug/L	92.6	<9.3	69.1	30-80	0.441	31.9	
Surrogate: 2,4,6-Tribromophenol	89.0			ug/L	92.6		96.1	30-122			
Surrogate: 2-Fluorobiphenyl	79.7			ug/L	92.6		86.0	39.2-104			
Surrogate: 2-Fluorophenol	70.3			ug/L	92.6		75.9	30-80.1			
Surrogate: Nitrobenzene-d5	80.1			ug/L	92.6		86.5	51.2-103			
Surrogate: Phenol-d6	61.8			ug/L	92.6		66.8	30-75.3			
Surrogate: Terphenyl-d14	84.2			ug/L	92.6		91.0	30-116			

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Blank (B1G1218-BLK1)

Prepared & Analyzed: 07/12/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Blank (B1G1218-BLK1)

Prepared & Analyzed: 07/12/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.48			mg/kg wet	6.67		82.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.28			mg/kg wet	6.67		64.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.32			mg/kg wet	6.67		64.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.48			mg/kg wet	6.67		67.2	48.9-100			
Surrogate: Phenol-d6	4.74			mg/kg wet	6.67		71.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.44			mg/kg wet	6.67		66.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

LCS (B1G1218-BS1)

Prepared & Analyzed: 07/12/11

1,2,4-Trichlorobenzene	4.38	0.33	0.031	mg/kg wet	6.67		65.8	59.1-87.7			
1,4-Dichlorobenzene	4.16	0.33	0.029	mg/kg wet	6.67		62.3	50.3-72.9			
2,4-Dinitrotoluene	4.35	0.33	0.035	mg/kg wet	6.67		65.3	59.8-82.2			
2-Chlorophenol	4.86	0.67	0.060	mg/kg wet	6.67		72.9	59.7-77.3			
4-Chloro-3-methylphenol	4.87	0.67	0.066	mg/kg wet	6.67		73.1	63.6-80.4			
4-Nitrophenol	4.82	0.67	0.093	mg/kg wet	6.67		72.3	57.3-84.9			
Anthracene	4.98	0.33	0.036	mg/kg wet	6.67		74.6	67.3-88			
Benzo(a)anthracene	5.13	0.33	0.041	mg/kg wet	6.67		77.0	66.5-90.5			
Benzo(a)pyrene	5.14	0.33	0.042	mg/kg wet	6.67		77.1	66.1-89.7			
Chrysene	5.16	0.33	0.044	mg/kg wet	6.67		77.4	65.5-90.5			
Fluoranthene	5.00	0.33	0.039	mg/kg wet	6.67		75.1	66.7-89.9			
Fluorene	4.51	0.33	0.035	mg/kg wet	6.67		67.6	66.2-85.6			
N-Nitrosodi-n-propylamine	4.45	0.33	0.033	mg/kg wet	6.67		66.7	59.4-78			
Pentachlorophenol	4.83	0.67	0.078	mg/kg wet	6.67		72.4	46.7-83.2			
Phenanthrene	5.07	0.33	0.036	mg/kg wet	6.67		76.1	67.5-87.9			
Phenol	4.26	0.67	0.069	mg/kg wet	6.67		63.8	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.15			mg/kg wet	6.67		77.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.03			mg/kg wet	6.67		60.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.13			mg/kg wet	6.67		62.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.38			mg/kg wet	6.67		65.7	48.9-100			
Surrogate: Phenol-d6	4.43			mg/kg wet	6.67		66.5	50.4-99.6			
Surrogate: Terphenyl-d14	4.33			mg/kg wet	6.67		64.9	51-99.6			

Matrix Spike (B1G1218-MS1)

Source: 1102962-02

Prepared: 07/12/11 Analyzed: 07/13/11

1,2,4-Trichlorobenzene	3.84	0.34	0.032	mg/kg dry	6.86	<0.34	56.0	44.8-97.9			
1,4-Dichlorobenzene	3.81	0.34	0.030	mg/kg dry	6.86	<0.34	55.5	42.3-77.9			
2,4-Dinitrotoluene	4.85	0.34	0.036	mg/kg dry	6.86	<0.34	70.7	57.3-86.6			
2-Chlorophenol	3.85	0.68	0.061	mg/kg dry	6.86	<0.68	56.2	43.3-93.2			
4-Chloro-3-methylphenol	4.22	0.68	0.067	mg/kg dry	6.86	<0.68	61.6	47.1-97.6			
4-Nitrophenol	4.52	0.68	0.095	mg/kg dry	6.86	<0.68	65.9	49.3-96.2			
Anthracene	5.31	0.34	0.037	mg/kg dry	6.86	<0.34	77.5	67.5-93.1			
Benzo(a)anthracene	5.38	0.34	0.042	mg/kg dry	6.86	<0.34	78.5	59.8-95.7			
Benzo(a)pyrene	5.46	0.34	0.043	mg/kg dry	6.86	<0.34	79.6	59.8-92.7			
Chrysene	5.43	0.34	0.045	mg/kg dry	6.86	<0.34	79.2	62.5-94.6			
Fluoranthene	5.41	0.34	0.040	mg/kg dry	6.86	<0.34	77.9	61.3-92.8			
Fluorene	4.78	0.34	0.036	mg/kg dry	6.86	<0.34	69.7	62.8-92.6			
N-Nitrosodi-n-propylamine	4.04	0.34	0.034	mg/kg dry	6.86	<0.34	58.9	46.9-89.9			
Pentachlorophenol	4.15	0.68	0.080	mg/kg dry	6.86	<0.68	60.4	40.1-95.1			
Phenanthrene	5.23	0.34	0.037	mg/kg dry	6.86	<0.34	75.5	65.2-92.2			
Phenol	4.00	0.68	0.070	mg/kg dry	6.86	<0.68	58.3	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Matrix Spike (B1G1218-MS1)

Source: 1102962-02

Prepared: 07/12/11

Analyzed: 07/13/11

Surrogate: 2,4,6-Tribromophenol	4.71			mg/kg dry	6.86		68.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.30			mg/kg dry	6.86		62.6	53.9-97.9			
Surrogate: 2-Fluorophenol	4.02			mg/kg dry	6.86		58.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.06			mg/kg dry	6.86		59.1	48.9-100			
Surrogate: Phenol-d6	4.16			mg/kg dry	6.86		60.7	50.4-99.6			
Surrogate: Terphenyl-d14	4.64			mg/kg dry	6.86		67.6	51-99.6			

Matrix Spike Dup (B1G1218-MSD1)

Source: 1102962-02

Prepared: 07/12/11

Analyzed: 07/13/11

1,2,4-Trichlorobenzene	4.02	0.34	0.032	mg/kg dry	6.84	<0.34	58.7	44.8-97.9	4.54	19.6	
1,4-Dichlorobenzene	3.99	0.34	0.030	mg/kg dry	6.84	<0.34	58.4	42.3-77.9	4.73	22.4	
2,4-Dinitrotoluene	4.62	0.34	0.036	mg/kg dry	6.84	<0.34	67.5	57.3-86.6	4.84	19.5	
2-Chlorophenol	4.05	0.68	0.061	mg/kg dry	6.84	<0.68	59.2	43.3-93.2	4.90	23.7	
4-Chloro-3-methylphenol	4.35	0.68	0.067	mg/kg dry	6.84	<0.68	63.6	47.1-97.6	2.95	18.3	
4-Nitrophenol	4.34	0.68	0.095	mg/kg dry	6.84	<0.68	63.5	49.3-96.2	4.02	20.4	
Anthracene	5.02	0.34	0.037	mg/kg dry	6.84	<0.34	73.4	67.5-93.1	5.63	19.9	
Benzo(a)anthracene	4.96	0.34	0.042	mg/kg dry	6.84	<0.34	72.5	59.8-95.7	8.23	23.4	
Benzo(a)pyrene	5.09	0.34	0.043	mg/kg dry	6.84	<0.34	74.5	59.8-92.7	6.99	21.1	
Chrysene	5.01	0.34	0.045	mg/kg dry	6.84	<0.34	73.2	62.5-94.6	8.07	24.8	
Fluoranthene	4.97	0.34	0.040	mg/kg dry	6.84	<0.34	71.6	61.3-92.8	8.49	21.8	
Fluorene	4.83	0.34	0.036	mg/kg dry	6.84	<0.34	70.7	62.8-92.6	1.08	17.6	
N-Nitrosodi-n-propylamine	4.23	0.34	0.034	mg/kg dry	6.84	<0.34	61.9	46.9-89.9	4.66	18.9	
Pentachlorophenol	3.89	0.68	0.080	mg/kg dry	6.84	<0.68	56.9	40.1-95.1	6.31	19.7	
Phenanthrene	4.98	0.34	0.037	mg/kg dry	6.84	<0.34	72.1	65.2-92.2	4.82	20.5	
Phenol	4.16	0.68	0.070	mg/kg dry	6.84	<0.68	60.8	44.7-91	3.90	17.9	
Surrogate: 2,4,6-Tribromophenol	4.24			mg/kg dry	6.84		62.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.27			mg/kg dry	6.84		62.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.97			mg/kg dry	6.84		58.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.02			mg/kg dry	6.84		58.8	48.9-100			
Surrogate: Phenol-d6	4.10			mg/kg dry	6.84		59.9	50.4-99.6			
Surrogate: Terphenyl-d14	4.12			mg/kg dry	6.84		60.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	42.7			ug/L	50.0		85.3	80-124			
Surrogate: Dibromofluoromethane	46.5			ug/L	50.0		92.9	77.1-123			
Surrogate: Toluene-d8	45.1			ug/L	50.0		90.3	78.1-125			

LCS (B1G0502-BS1)

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	51.0			ug/L	50.0		102	75-120			
1,1-Dichloroethane	42.8			ug/L	50.0		85.7	79.6-120			
1,1-Dichloroethene	43.7			ug/L	50.0		87.5	78.3-120			
1,3,5-Trimethylbenzene	50.3			ug/L	50.0		101	77-120			
1,4-Dichlorobenzene	52.1			ug/L	50.0		104	75-125			
2-Chlorotoluene	52.2			ug/L	50.0		104	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

LCS (B1G0502-BS1)

Prepared & Analyzed: 07/05/11

Benzene	48.3			ug/L	50.0		96.6	80-120			
Bromoform	48.1			ug/L	50.0		96.3	80-120			
Chlorobenzene	49.1			ug/L	50.0		98.2	80-120			
Chloroform	47.0			ug/L	50.0		93.9	80-120			
Ethylbenzene	49.8			ug/L	50.0		99.6	80-120			
n-Butylbenzene	49.5			ug/L	50.0		99.0	75-125			
n-Propylbenzene	52.4			ug/L	50.0		105	75-120			
Toluene	49.1			ug/L	50.0		98.2	80-120			
Trichloroethene	49.1			ug/L	50.0		98.1	80-120			
Vinyl chloride	49.3			ug/L	50.0		98.6	75-130			
Surrogate: 4-Bromofluorobenzene	47.3			ug/L	50.0		94.6	80-124			
Surrogate: Dibromofluoromethane	46.7			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	46.7			ug/L	50.0		93.5	78.1-125			

Matrix Spike (B1G0502-MS1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	51.8			ug/L	50.0	<	104	75-125			
1,1-Dichloroethane	43.9			ug/L	50.0	<	87.8	78.7-123			
1,1-Dichloroethene	42.7			ug/L	50.0	<	85.4	75.8-121			
1,3,5-Trimethylbenzene	51.3			ug/L	50.0	<	103	75-120			
1,4-Dichlorobenzene	52.7			ug/L	50.0	<	105	75-125			
2-Chlorotoluene	52.8			ug/L	50.0	<	106	75-120			
Benzene	47.5			ug/L	50.0	<	95.1	80-120			
Bromoform	48.7			ug/L	50.0	<	97.3	80-120			
Chlorobenzene	51.6			ug/L	50.0	<	103	80-120			
Chloroform	45.9			ug/L	50.0	<	91.8	80-120			
Ethylbenzene	51.0			ug/L	50.0	<	102	80-120			
n-Butylbenzene	51.4			ug/L	50.0	<	103	73.8-125			
n-Propylbenzene	52.8			ug/L	50.0	<	106	75-120			
Toluene	48.7			ug/L	50.0	<	97.5	80-120			
Trichloroethene	49.6			ug/L	50.0	<	99.2	80-120			
Vinyl chloride	47.5			ug/L	50.0	<	95.1	74.8-130			
Surrogate: 4-Bromofluorobenzene	46.9			ug/L	50.0		93.8	80-124			
Surrogate: Dibromofluoromethane	46.7			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	45.7			ug/L	50.0		91.4	78.1-125			

Matrix Spike Dup (B1G0502-MSD1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	49.6			ug/L	50.0	<	99.1	75-125	4.41	20	
1,1-Dichloroethane	43.4			ug/L	50.0	<	86.8	78.7-123	1.14	20	
1,1-Dichloroethene	43.6			ug/L	50.0	<	87.2	75.8-121	2.02	20	
1,3,5-Trimethylbenzene	50.3			ug/L	50.0	<	101	75-120	2.04	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0502 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1G0502-MSD1)			Source: 1102929-01			Prepared & Analyzed: 07/05/11					
1,4-Dichlorobenzene	52.5			ug/L	50.0	<	105	75-125	0.519	20	
2-Chlorotoluene	50.7			ug/L	50.0	<	101	75-120	4.18	20	
Benzene	47.7			ug/L	50.0	<	95.5	80-120	0.435	20	
Bromoform	49.1			ug/L	50.0	<	98.2	80-120	0.852	20	
Chlorobenzene	50.7			ug/L	50.0	<	101	80-120	1.83	20	
Chloroform	45.5			ug/L	50.0	<	90.9	80-120	0.918	20	
Ethylbenzene	50.8			ug/L	50.0	<	102	80-120	0.427	20	
n-Butylbenzene	49.2			ug/L	50.0	<	98.5	73.8-125	4.25	20	
n-Propylbenzene	50.7			ug/L	50.0	<	101	75-120	3.89	20	
Toluene	47.9			ug/L	50.0	<	95.8	80-120	1.73	20	
Trichloroethene	48.9			ug/L	50.0	<	97.9	80-120	1.28	20	
Vinyl chloride	47.5			ug/L	50.0	<	94.9	74.8-130	0.181	20	
Surrogate: 4-Bromofluorobenzene	47.1			ug/L	50.0		94.3	80-124			
Surrogate: Dibromofluoromethane	47.3			ug/L	50.0		94.5	77.1-123			
Surrogate: Toluene-d8	46.4			ug/L	50.0		92.8	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102965 Date Reported: 07/19/11
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Notes and Definitions

W-03	The initial sample weight was less than 8.0 grams.
J	Parameter was present between the MDL and RL and should be considered an estimated value
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

1102965

Project Number: 2319-1042.00 - 48RI - 810

Project Name: UMORE EAST - DEFLINE

Sample Origin/State: MN (use two letter postal state abbreviation)

COC Number: NO 3391

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Collection Type	Matrix	NO
						Soil	Water			
1. 501A2-SS1	0.5	0.5	ft	06/21/11	09:15	X	X	X	X	1
2. 501B2-SS1	0.5	0.5	ft	↓	08:15	X	X	X	X	2
3. 501C2-SS1	↓	↓	ft	↓	08:30	X	X	X	X	3
4. FB-1	-	-	-	↓	09:30	X	X	X	X	4
5. 501E2-SS1	0.5	0.5	ft	↓	10:00	X	X	X	X	5
6. 501FID-SS1	↓	↓	ft	↓	10:00	X	X	X	X	6
7. ↓										7
8. ↓										8
9. ↓										9
10. ↓										10

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = RTEX, GRO, TPH, B260 Full List
 #2 - Semi-volatile Organics = PAHs, PCB, Dioxins, B270
 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TEN

Water	Number of Containers/Preservative										Total Number of Containers	
	VOOCs (unpreserved) #2	Disolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRG (tared unpreserved)	Metals (unpreserved)		SVOCs (unpreserved) #2
	X	X	X						X	X	X	4
									X	X	X	4
									X	X	X	4
												2
									X	X	X	10
									X	X	X	5

COC 1 of 3
 Project Manager: JME
 Project QC Contact: AAN
 Sampled by: AKB+AMB
 Laboratory: Legend

Received by: [Signature] Date: 6/30/11 Time: 10:00
 Received by: [Signature] Date: 6/30/11 Time: 10:00
 Air Bill Number: [Blank]

312

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102967
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/30/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GC-SS1_0.5-0.5	1102967-01	Soil	06/29/11 10:45	06/30/11 10:00
GC-SS2_0.5-0.5	1102967-02	Soil	06/29/11 11:30	06/30/11 10:00
222A-SS4_0.5-0.5	1102967-03	Soil	06/29/11 13:30	06/30/11 10:00
222A-SS5_0.5-0.5	1102967-04	Soil	06/29/11 13:15	06/30/11 10:00
222A-SS6_0.5-0.5	1102967-05	Soil	06/29/11 13:45	06/30/11 10:00
RR-D5-SS4_0.5-0.5	1102967-06	Soil	06/29/11 14:30	06/30/11 10:00
RR-D5-SS3_0.5-0.5	1102967-07	Soil	06/29/11 15:00	06/30/11 10:00
D5-SS2_0.5-0.5	1102967-08	Soil	06/29/11 15:15	06/30/11 10:00

<u>Shipping Container Information</u>		
Default Cooler	Temperature (°C): 3.1	
Received on ice: Yes	Temperature blank was present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: Yes		

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS1_0.5-0.5 (1102967-01) Soil Sampled: 06/29/11 10:45 Received: 06/30/11 10:00										
Arsenic	4.1	0.56	0.062	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	48	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	8.5	0.56	0.014	mg/kg dry	1	"	"	"	"	
Lead	16	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
GC-SS2_0.5-0.5 (1102967-02) Soil Sampled: 06/29/11 11:30 Received: 06/30/11 10:00										
Arsenic	2.2	0.53	0.058	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	32	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	10	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	9.3	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.099	0.099	0.019	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
222A-SS4_0.5-0.5 (1102967-03) Soil Sampled: 06/29/11 13:30 Received: 06/30/11 10:00										
Arsenic	14	0.62	0.068	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	670	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	0.75	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	21	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	38	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	0.86	0.31	0.020	mg/kg dry	1	"	"	"	"	
222A-SS5_0.5-0.5 (1102967-04) Soil Sampled: 06/29/11 13:15 Received: 06/30/11 10:00										
Arsenic	5.8	0.57	0.062	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	75	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	15	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	8.6	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
222A-SS6_0.5-0.5 (1102967-05) Soil Sampled: 06/29/11 13:45 Received: 06/30/11 10:00										
Arsenic	4.4	0.55	0.060	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
222A-SS6_0.5-0.5 (1102967-05) Soil Sampled: 06/29/11 13:45 Received: 06/30/11 10:00										
Barium	61	1.1	0.066	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Cadmium	0.34	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	14	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	17	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
RR-D5-SS4_0.5-0.5 (1102967-06) Soil Sampled: 06/29/11 14:30 Received: 06/30/11 10:00										
Arsenic	6.4	0.67	0.073	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	140	1.3	0.080	mg/kg dry	1	"	"	"	"	
Cadmium	0.33	0.33	0.044	mg/kg dry	1	"	"	"	"	
Chromium	18	0.67	0.016	mg/kg dry	1	"	"	"	"	
Lead	16	1.3	0.19	mg/kg dry	1	"	"	"	"	
Mercury	<0.13	0.13	0.024	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.3	1.3	0.13	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.33	0.33	0.021	mg/kg dry	1	"	"	"	"	
RR-D5-SS3_0.5-0.5 (1102967-07) Soil Sampled: 06/29/11 15:00 Received: 06/30/11 10:00										
Arsenic	5.1	0.56	0.061	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	75	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	13	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
D5-SS2_0.5-0.5 (1102967-08) Soil Sampled: 06/29/11 15:15 Received: 06/30/11 10:00										
Arsenic	5.7	0.57	0.063	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	160	1.1	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	20	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	12	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0712	07/07/11	07/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS1_0.5-0.5 (1102967-01) Soil Sampled: 06/29/11 10:45 Received: 06/30/11 10:00										
% Solids	84			%	1	B1G0812	07/08/11	07/11/11	% calculation	
GC-SS2_0.5-0.5 (1102967-02) Soil Sampled: 06/29/11 11:30 Received: 06/30/11 10:00										
% Solids	95			%	1	B1G0812	07/08/11	07/11/11	% calculation	
222A-SS4_0.5-0.5 (1102967-03) Soil Sampled: 06/29/11 13:30 Received: 06/30/11 10:00										
% Solids	81			%	1	B1G0812	07/08/11	07/11/11	% calculation	
222A-SS5_0.5-0.5 (1102967-04) Soil Sampled: 06/29/11 13:15 Received: 06/30/11 10:00										
% Solids	88			%	1	B1G0812	07/08/11	07/11/11	% calculation	
222A-SS6_0.5-0.5 (1102967-05) Soil Sampled: 06/29/11 13:45 Received: 06/30/11 10:00										
% Solids	91			%	1	B1G0812	07/08/11	07/11/11	% calculation	
RR-D5-SS4_0.5-0.5 (1102967-06) Soil Sampled: 06/29/11 14:30 Received: 06/30/11 10:00										
% Solids	75			%	1	B1G0812	07/08/11	07/11/11	% calculation	
RR-D5-SS3_0.5-0.5 (1102967-07) Soil Sampled: 06/29/11 15:00 Received: 06/30/11 10:00										
% Solids	85			%	1	B1G0812	07/08/11	07/11/11	% calculation	
D5-SS2_0.5-0.5 (1102967-08) Soil Sampled: 06/29/11 15:15 Received: 06/30/11 10:00										
% Solids	83			%	1	B1G0812	07/08/11	07/11/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS1_0.5-0.5 (1102967-01) Soil Sampled: 06/29/11 10:45 Received: 06/30/11 10:00										
4,4'-DDD	<0.048	0.048	0.0024	mg/kg dry	1	B1G1205	07/12/11	07/14/11	EPA 8081A	
4,4'-DDE	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	
Aldrin	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.048	0.048	0.0026	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.048	0.048	0.0026	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	
Endrin	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.048	0.048	0.0017	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.095	0.095	0.019	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	85.5			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	90.0			65.2-135 %		"	"	"	"	

GC-SS2_0.5-0.5 (1102967-02) Soil Sampled: 06/29/11 11:30 Received: 06/30/11 10:00										
4,4'-DDD	<0.042	0.042	0.0021	mg/kg dry	1	B1G1205	07/12/11	07/14/11	EPA 8081A	
4,4'-DDE	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
Aldrin	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.042	0.042	0.0023	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.042	0.042	0.0023	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
Endrin	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.042	0.042	0.0015	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS2_0.5-0.5 (1102967-02) Soil Sampled: 06/29/11 11:30 Received: 06/30/11 10:00										
gamma-BHC (Lindane)	<0.042	0.042	0.0022	mg/kg dry	1	B1G1205	07/12/11	07/14/11	EPA 8081A	
gamma-Chlordane	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.084	0.084	0.017	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	90.5			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	92.0			65.2-135 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS1_0.5-0.5 (1102967-01) Soil Sampled: 06/29/11 10:45 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.43	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.091	0.39	0.045	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	0.21	0.39	0.043	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.31	0.39	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.19	0.39	0.050	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.23	0.39	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.077	0.39	0.051	mg/kg dry	1	"	"	"	"	J

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS1_0.5-0.5 (1102967-01) Soil Sampled: 06/29/11 10:45 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	0.076	0.39	0.057	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	J
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	0.053	0.39	0.042	mg/kg dry	1	"	"	"	"	J
Chrysene	0.27	0.39	0.052	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.23	0.39	0.039	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.44	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	0.075	0.39	0.042	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.069	0.39	0.048	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	0.14	0.39	0.039	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.83	0.39	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	0.45	0.39	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	85.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	81.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	76.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	77.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	81.0			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS2_0.5-0.5 (1102967-02) Soil Sampled: 06/29/11 11:30 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.079	0.71	0.079	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.063	0.71	0.063	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.039	0.35	0.038	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.71	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.71	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.71	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.052	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.045	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS2_0.5-0.5 (1102967-02) Soil Sampled: 06/29/11 11:30 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1G1218	07/12/11	07/12/11	EPA 8270C	
Benzoic acid	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.098	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.11	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	0.086	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	78.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	56.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	59.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	62.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	56.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
222A-SS4_0.5-0.5 (1102967-03) Soil Sampled: 06/29/11 13:30 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	0.10	0.41	0.043	mg/kg dry	1	"	"	"	"	J
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	0.087	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	0.11	0.41	0.044	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.87	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.78	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	1.3	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.45	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
222A-SS4_0.5-0.5 (1102967-03) Soil Sampled: 06/29/11 13:30 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	0.51	0.41	0.059	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	0.083	0.41	0.043	mg/kg dry	1	"	"	"	"	J
Chrysene	1.1	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.14	0.41	0.053	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.64	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	1.5	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	0.047	0.41	0.043	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.48	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.62	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	1.4	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	90.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	88.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	83.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	84.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	87.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
222A-SS5_0.5-0.5 (1102967-04) Soil Sampled: 06/29/11 13:15 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
222A-SS5_0.5-0.5 (1102967-04) Soil Sampled: 06/29/11 13:15 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	82.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	80.9			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
222A-SS6_0.5-0.5 (1102967-05) Soil Sampled: 06/29/11 13:45 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	0.17	0.36	0.038	mg/kg dry	1	"	"	"	"	J
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.056	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48 RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102967
 Date Reported: 07/19/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
222A-SS6_0.5-0.5 (1102967-05) Soil Sampled: 06/29/11 13:45 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.63	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.084	0.36	0.043	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.047	0.36	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	0.077	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	73.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	71.1			51-99.6 %		"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48 RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1102967
Date Reported: 07/19/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-D5-SS4_0.5-0.5 (1102967-06) Soil Sampled: 06/29/11 14:30 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.041	0.44	0.041	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.041	0.44	0.041	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.039	0.44	0.039	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.10	0.89	0.10	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.049	0.89	0.049	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.11	0.89	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.10	0.89	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.89	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.043	0.89	0.043	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.092	0.89	0.092	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.052	0.44	0.052	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.080	0.89	0.080	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.045	0.89	0.045	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.051	0.44	0.051	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.89	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.043	0.89	0.043	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.20	2.1	0.20	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.036	0.44	0.036	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.045	0.89	0.045	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.088	0.89	0.088	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.036	0.89	0.036	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.89	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.051	0.44	0.051	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.055	0.44	0.055	mg/kg dry	1	"	"	"	"	
Aniline	<0.041	0.89	0.041	mg/kg dry	1	"	"	"	"	
Anthracene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
Benzidine	<0.25	3.3	0.25	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.055	0.44	0.055	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.056	0.44	0.056	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.057	0.44	0.057	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.057	0.44	0.057	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-D5-SS4_0.5-0.5 (1102967-06) Soil Sampled: 06/29/11 14:30 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.064	0.44	0.064	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
Benzoic acid	<0.032	0.44	0.032	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.13	0.89	0.13	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.064	0.44	0.064	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.056	0.44	0.056	mg/kg dry	1	"	"	"	"	
Carbazole	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
Chrysene	<0.059	0.44	0.059	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.057	0.44	0.057	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.041	0.44	0.041	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.040	0.44	0.040	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.059	0.44	0.059	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.064	0.44	0.064	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.052	0.44	0.052	mg/kg dry	1	"	"	"	"	
Fluorene	<0.047	0.44	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.040	0.44	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.032	0.44	0.032	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.040	0.44	0.040	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.053	0.44	0.053	mg/kg dry	1	"	"	"	"	
Isophorone	<0.041	0.44	0.041	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.029	0.44	0.029	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.035	0.44	0.035	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.10	0.89	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
Phenol	<0.092	0.89	0.092	mg/kg dry	1	"	"	"	"	
Pyrene	<0.055	0.44	0.055	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	72.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	87.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-D5-SS3_0.5-0.5 (1102967-07) Soil Sampled: 06/29/11 15:00 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-D5-SS3_0.5-0.5 (1102967-07) Soil Sampled: 06/29/11 15:00 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	67.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.6			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48 RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102967
 Date Reported: 07/19/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D5-SS2_0.5-0.5 (1102967-08) Soil Sampled: 06/29/11 15:15 Received: 06/30/11 10:00										
1,2,4-Trichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.81	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.090	0.81	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.047	0.40	0.047	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.072	0.81	0.072	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.81	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.81	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.81	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.81	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.19	0.40	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.17	0.40	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.26	0.40	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.083	0.40	0.052	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D5-SS2_0.5-0.5 (1102967-08) Soil Sampled: 06/29/11 15:15 Received: 06/30/11 10:00										
Benzo(k)fluoranthene	0.11	0.40	0.058	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	J
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	0.20	0.40	0.053	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.053	0.40	0.053	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.28	0.40	0.047	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.095	0.40	0.048	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.40	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.083	0.40	0.043	mg/kg dry	1	"	"	"	"	J
Phenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
Pyrene	0.25	0.40	0.049	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	93.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	90.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	82.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	88.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	88.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	96.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS1_0.5-0.5 (1102967-01) Soil										W-03
Sampled: 06/29/11 10:45 Received: 06/30/11 10:00										
1,1,1,2-Tetrachloroethane	<0.099	0.42	0.099	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.057	0.42	0.057	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.11	0.42	0.11	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.035	0.42	0.035	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.040	0.42	0.040	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.045	0.84	0.045	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	0.21	0.42	0.030	mg/kg dry	1	"	"	"	"	J
1,2-Dibromo-3-chloropropane	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.033	0.42	0.033	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.045	0.42	0.045	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	0.067	0.42	0.033	mg/kg dry	1	"	"	"	"	J
1,3-Dichlorobenzene	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.028	0.42	0.028	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.15	3.3	0.15	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.023	0.42	0.023	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.035	0.42	0.035	mg/kg dry	1	"	"	"	"	
Acetone	<0.32	3.3	0.32	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.097	0.84	0.097	mg/kg dry	1	"	"	"	"	
Benzene	0.12	0.42	0.025	mg/kg dry	1	"	"	"	"	J
Bromobenzene	<0.045	0.42	0.045	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.062	0.42	0.062	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.045	0.42	0.045	mg/kg dry	1	"	"	"	"	
Bromoform	<0.045	0.84	0.045	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.18	0.84	0.18	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.057	0.42	0.057	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.032	0.42	0.032	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.062	0.42	0.062	mg/kg dry	1	"	"	"	"	
Chloroform	<0.035	0.42	0.035	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.10	0.42	0.10	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS1_0.5-0.5 (1102967-01) Soil										W-03
Sampled: 06/29/11 10:45 Received: 06/30/11 10:00										
cis-1,3-Dichloropropene	<0.037	0.42	0.037	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Dibromochloromethane	<0.057	0.42	0.057	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.17	0.84	0.17	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.064	0.42	0.064	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.064	0.84	0.064	mg/kg dry	1	"	"	"	"	
Ethylbenzene	0.054	0.42	0.018	mg/kg dry	1	"	"	"	"	J
Hexachlorobutadiene	<0.12	1.7	0.12	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.032	0.42	0.032	mg/kg dry	1	"	"	"	"	
m,p-Xylene	0.20	0.84	0.079	mg/kg dry	1	"	"	"	"	J
Methyl isobutyl ketone	<0.14	0.84	0.14	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.027	0.42	0.027	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.097	1.7	0.097	mg/kg dry	1	"	"	"	"	
Naphthalene	0.16	0.84	0.092	mg/kg dry	1	"	"	"	"	J
n-Butylbenzene	<0.045	0.42	0.045	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	0.044	0.42	0.035	mg/kg dry	1	"	"	"	"	J
o-Xylene	0.13	0.42	0.042	mg/kg dry	1	"	"	"	"	J
p-Isopropyltoluene	<0.023	0.42	0.023	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	0.035	0.42	0.028	mg/kg dry	1	"	"	"	"	J
Styrene	<0.033	0.42	0.033	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.047	0.42	0.047	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.20	3.3	0.20	mg/kg dry	1	"	"	"	"	
Toluene	0.11	0.42	0.027	mg/kg dry	1	"	"	"	"	J
trans-1,2-Dichloroethene	<0.050	0.42	0.050	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.069	0.42	0.069	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.059	0.42	0.059	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.11	0.42	0.11	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.5			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	93.6			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	91.1			78.1-125 %		"	"	"	"	

GC-SS2_0.5-0.5 (1102967-02) Soil										
Sampled: 06/29/11 11:30 Received: 06/30/11 10:00										
1,1,1,2-Tetrachloroethane	<0.062	0.26	0.062	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.034	0.26	0.034	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.036	0.26	0.036	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.072	0.26	0.072	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.024	0.26	0.024	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS2_0.5-0.5 (1102967-02) Soil Sampled: 06/29/11 11:30 Received: 06/30/11 10:00										
1,1-Dichloroethene	<0.026	0.26	0.026	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1-Dichloropropene	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.064	0.53	0.064	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.025	0.26	0.025	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.028	0.53	0.028	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	0.030	0.26	0.019	mg/kg dry	1	"	"	"	"	J
1,2-Dibromo-3-chloropropane	<0.073	0.53	0.073	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.033	0.26	0.033	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.063	0.53	0.063	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.093	2.1	0.093	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.015	0.26	0.015	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
Acetone	<0.20	2.1	0.20	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.061	0.53	0.061	mg/kg dry	1	"	"	"	"	
Benzene	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.039	0.26	0.039	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
Bromoform	<0.028	0.53	0.028	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.53	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.036	0.26	0.036	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.039	0.26	0.039	mg/kg dry	1	"	"	"	"	
Chloroform	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.064	0.26	0.064	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.036	0.26	0.036	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.031	0.26	0.031	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.10	0.53	0.10	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.040	0.26	0.040	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.040	0.53	0.040	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS2_0.5-0.5 (1102967-02) Soil Sampled: 06/29/11 11:30 Received: 06/30/11 10:00										
Ethylbenzene	<0.012	0.26	0.012	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Hexachlorobutadiene	<0.073	1.1	0.073	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.049	0.53	0.049	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.086	0.53	0.086	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.017	0.26	0.017	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.061	1.1	0.061	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.058	0.53	0.058	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.026	0.26	0.026	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.015	0.26	0.015	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
Styrene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.029	0.26	0.029	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.13	2.1	0.13	mg/kg dry	1	"	"	"	"	
Toluene	<0.017	0.26	0.017	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.032	0.26	0.032	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.024	0.26	0.024	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.043	0.26	0.043	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.037	0.26	0.037	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.068	0.26	0.068	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	90.3			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	92.4			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.7			78.1-125 %		"	"	"	"	

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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
222A-SS4_0.5-0.5 (1102967-03) Soil Sampled: 06/29/11 13:30 Received: 06/30/11 10:00										
Flashpoint	>140			°F	1	B1G1407	07/14/11	07/14/11	EPA 1010A/ASTM D93(M)	
222A-SS5_0.5-0.5 (1102967-04) Soil Sampled: 06/29/11 13:15 Received: 06/30/11 10:00										
Flashpoint	>140			°F	1	B1G1407	07/14/11	07/14/11	EPA 1010A/ASTM D93(M)	
222A-SS6_0.5-0.5 (1102967-05) Soil Sampled: 06/29/11 13:45 Received: 06/30/11 10:00										
Flashpoint	>140			°F	1	B1G1407	07/14/11	07/14/11	EPA 1010A/ASTM D93(M)	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0712 - EPA 7471A											
Blank (B1G0712-BLK1)						Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0712-BS1)						Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	0.193	0.10	0.019	mg/kg wet	0.200		96.5	80-120			
LCS Dup (B1G0712-BSD1)						Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	0.189	0.10	0.019	mg/kg wet	0.200		94.5	80-120	2.09	20	
Matrix Spike (B1G0712-MS1)						Source: 1102967-01 Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	0.253	0.11	0.021	mg/kg dry	0.225	<0.11	85.9	75-125			
Matrix Spike Dup (B1G0712-MSD1)						Source: 1102967-01 Prepared: 07/07/11 Analyzed: 07/18/11					
Mercury	0.253	0.11	0.021	mg/kg dry	0.217	<0.11	89.0	75-125	0.0641	20	
Batch B1G0715 - EPA 3050B											
Blank (B1G0715-BLK1)						Prepared: 07/07/11 Analyzed: 07/14/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0715-BS1)						Prepared: 07/07/11 Analyzed: 07/14/11					
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	41.1	1.0	0.060	mg/kg wet	39.9		103	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.8	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	42.0	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	40.5	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.12	0.25	0.016	mg/kg wet	3.99		103	80-120			
LCS Dup (B1G0715-BSD1)						Prepared: 07/07/11 Analyzed: 07/14/11					
Arsenic	41.4	0.50	0.055	mg/kg wet	39.9		104	80-120	0.926	20	
Barium	41.2	1.0	0.060	mg/kg wet	39.9		103	80-120	0.236	20	
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120	0.0133	20	
Chromium	42.0	0.50	0.012	mg/kg wet	39.9		105	80-120	0.318	20	
Lead	42.1	1.0	0.14	mg/kg wet	39.9		106	80-120	0.215	20	
Selenium	41.0	1.0	0.095	mg/kg wet	39.9		103	80-120	1.06	20	
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120	1.40	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0715 - EPA 3050B											
Matrix Spike (B1G0715-MS1)			Source: 1102964-02			Prepared: 07/07/11		Analyzed: 07/14/11			
Arsenic	40.9	0.51	0.056	mg/kg dry	39.1	1.64	100	75-125			
Barium	54.7	1.0	0.061	mg/kg dry	39.1	17.2	96.0	75-125			
Cadmium	39.5	0.26	0.034	mg/kg dry	39.1	<0.26	101	75-125			
Chromium	47.1	0.51	0.012	mg/kg dry	39.1	8.14	99.5	75-125			
Lead	43.6	1.0	0.14	mg/kg dry	39.1	5.96	96.2	75-125			
Selenium	38.1	1.0	0.097	mg/kg dry	39.1	<1.0	96.9	75-125			
Silver	3.85	0.26	0.016	mg/kg dry	3.91	<0.26	98.4	75-125			
Matrix Spike Dup (B1G0715-MSD1)											
Source: 1102964-02					Prepared: 07/07/11		Analyzed: 07/14/11				
Arsenic	40.8	0.48	0.053	mg/kg dry	38.6	1.64	102	75-125	0.124	20	
Barium	55.7	0.97	0.058	mg/kg dry	38.6	17.2	99.8	75-125	1.69	20	
Cadmium	40.0	0.24	0.032	mg/kg dry	38.6	<0.24	103	75-125	1.25	20	
Chromium	48.3	0.48	0.012	mg/kg dry	38.6	8.14	104	75-125	2.62	20	
Lead	44.3	0.97	0.14	mg/kg dry	38.6	5.96	99.4	75-125	1.59	20	
Selenium	38.4	0.97	0.092	mg/kg dry	38.6	<0.97	99.1	75-125	0.794	20	
Silver	3.88	0.24	0.015	mg/kg dry	3.86	<0.24	101	75-125	0.801	20	

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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0812 - General Preparation											
Duplicate (B1G0812-DUP1)							Source: 1102967-03				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	80.0			%		81.0			1.24	20	
Duplicate (B1G0812-DUP2)							Source: 1102981-03				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	81.0			%		80.0			1.24	20	
Duplicate (B1G0812-DUP3)							Source: 1102983-01				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	84.0			%		84.0			0.00	20	
Duplicate (B1G0812-DUP4)							Source: 1102983-02				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	82.0			%		83.0			1.21	20	

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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1205 - EPA 3545 ASE Extraction

Blank (B1G1205-BLK1)

Prepared: 07/12/11 Analyzed: 07/14/11

4,4'-DDD	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDE	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDT	< 0.040	0.040	0.0020	mg/kg wet							
Aldrin	< 0.040	0.040	0.0021	mg/kg wet							
alpha-BHC	< 0.040	0.040	0.0020	mg/kg wet							
alpha-Chlordane	< 0.040	0.040	0.0020	mg/kg wet							
beta-BHC	< 0.040	0.040	0.0022	mg/kg wet							
delta-BHC	< 0.040	0.040	0.0020	mg/kg wet							
Dieldrin	< 0.040	0.040	0.0020	mg/kg wet							
Endosulfan I	< 0.040	0.040	0.0022	mg/kg wet							
Endosulfan II	< 0.040	0.040	0.0021	mg/kg wet							
Endosulfan sulfate	< 0.040	0.040	0.0021	mg/kg wet							
Endrin	< 0.040	0.040	0.0020	mg/kg wet							
Endrin aldehyde	< 0.040	0.040	0.0014	mg/kg wet							
Endrin ketone	< 0.040	0.040	0.0021	mg/kg wet							
gamma-BHC (Lindane)	< 0.040	0.040	0.0021	mg/kg wet							
gamma-Chlordane	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor epoxide	< 0.040	0.040	0.0020	mg/kg wet							
Methoxychlor	< 0.040	0.040	0.0021	mg/kg wet							
Toxaphene	< 0.080	0.080	0.016	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0653			mg/kg wet	0.0667		98.0	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0630			mg/kg wet	0.0667		94.5	65.2-135			

LCS (B1G1205-BS1)

Prepared: 07/12/11 Analyzed: 07/14/11

4,4'-DDD	0.0827	0.040	0.0020	mg/kg wet	0.0833		99.2	70-130			
4,4'-DDE	0.0810	0.040	0.0020	mg/kg wet	0.0833		97.2	70-130			
4,4'-DDT	0.0843	0.040	0.0020	mg/kg wet	0.0833		101	70-130			
Aldrin	0.0790	0.040	0.0021	mg/kg wet	0.0833		94.8	70-130			
alpha-BHC	0.0790	0.040	0.0020	mg/kg wet	0.0833		94.8	70-130			
alpha-Chlordane	0.0790	0.040	0.0020	mg/kg wet	0.0833		94.8	70-130			
beta-BHC	0.0790	0.040	0.0022	mg/kg wet	0.0833		94.8	70-130			
delta-BHC	0.0813	0.040	0.0020	mg/kg wet	0.0833		97.6	70-130			
Dieldrin	0.0800	0.040	0.0020	mg/kg wet	0.0833		96.0	70-130			
Endosulfan I	0.0787	0.040	0.0022	mg/kg wet	0.0833		94.4	70-130			
Endosulfan II	0.0800	0.040	0.0021	mg/kg wet	0.0833		96.0	70-130			
Endosulfan sulfate	0.0810	0.040	0.0021	mg/kg wet	0.0833		97.2	70-130			
Endrin	0.0807	0.040	0.0020	mg/kg wet	0.0833		96.8	70-130			
Endrin aldehyde	0.0853	0.040	0.0014	mg/kg wet	0.0833		102	70-130			
Endrin ketone	0.0817	0.040	0.0021	mg/kg wet	0.0833		98.0	70-130			

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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1205 - EPA 3545 ASE Extraction

LCS (B1G1205-BS1)

Prepared: 07/12/11 Analyzed: 07/14/11

gamma-BHC (Lindane)	0.0787	0.040	0.0021	mg/kg wet	0.0833		94.4	70-130			
gamma-Chlordane	0.0797	0.040	0.0021	mg/kg wet	0.0833		95.6	70-130			
Heptachlor	0.0783	0.040	0.0021	mg/kg wet	0.0833		94.0	70-130			
Heptachlor epoxide	0.0790	0.040	0.0020	mg/kg wet	0.0833		94.8	70-130			
Methoxychlor	0.0803	0.040	0.0021	mg/kg wet	0.0833		96.4	70-130			
Surrogate: Decachlorobiphenyl	0.0707			mg/kg wet	0.0667		106	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0653			mg/kg wet	0.0667		98.0	65.2-135			

Matrix Spike (B1G1205-MS1)

Source: 1102967-02

Prepared: 07/12/11 Analyzed: 07/14/11

4,4'-DDD	0.0878	0.042	0.0021	mg/kg dry	0.0881	<0.042	99.6	70-130			
4,4'-DDE	0.0920	0.042	0.0021	mg/kg dry	0.0881	<0.042	104	70-130			
4,4'-DDT	0.0980	0.042	0.0021	mg/kg dry	0.0881	<0.042	111	70-130			
Aldrin	0.0857	0.042	0.0022	mg/kg dry	0.0881	<0.042	97.2	70-130			
alpha-BHC	0.0867	0.042	0.0021	mg/kg dry	0.0881	<0.042	98.4	70-130			
alpha-Chlordane	0.0885	0.042	0.0021	mg/kg dry	0.0881	<0.042	100	70-130			
beta-BHC	0.0850	0.042	0.0023	mg/kg dry	0.0881	<0.042	96.4	70-130			
delta-BHC	0.0920	0.042	0.0021	mg/kg dry	0.0881	<0.042	104	70-130			
Dieldrin	0.0885	0.042	0.0021	mg/kg dry	0.0881	<0.042	100	70-130			
Endosulfan I	0.0878	0.042	0.0023	mg/kg dry	0.0881	<0.042	99.6	70-130			
Endosulfan II	0.0885	0.042	0.0022	mg/kg dry	0.0881	<0.042	100	70-130			
Endosulfan sulfate	0.0874	0.042	0.0022	mg/kg dry	0.0881	<0.042	99.2	70-130			
Endrin	0.0924	0.042	0.0021	mg/kg dry	0.0881	<0.042	105	70-130			
Endrin aldehyde	0.106	0.042	0.0015	mg/kg dry	0.0881	<0.042	120	70-130			
Endrin ketone	0.0927	0.042	0.0022	mg/kg dry	0.0881	<0.042	105	70-130			
gamma-BHC (Lindane)	0.0860	0.042	0.0022	mg/kg dry	0.0881	<0.042	97.6	70-130			
gamma-Chlordane	0.0878	0.042	0.0022	mg/kg dry	0.0881	<0.042	99.6	70-130			
Heptachlor	0.0850	0.042	0.0022	mg/kg dry	0.0881	<0.042	96.4	70-130			
Heptachlor epoxide	0.0871	0.042	0.0021	mg/kg dry	0.0881	<0.042	98.8	70-130			
Methoxychlor	0.0864	0.042	0.0022	mg/kg dry	0.0881	<0.042	98.0	70-130			
Surrogate: Decachlorobiphenyl	0.0747			mg/kg dry	0.0705		106	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0694			mg/kg dry	0.0705		98.5	65.2-135			

Matrix Spike Dup (B1G1205-MSD1)

Source: 1102967-02

Prepared: 07/12/11 Analyzed: 07/14/11

4,4'-DDD	0.0850	0.042	0.0021	mg/kg dry	0.0882	<0.042	96.4	70-130	3.20	17.3	
4,4'-DDE	0.0900	0.042	0.0021	mg/kg dry	0.0882	<0.042	102	70-130	2.26	18.9	
4,4'-DDT	0.0949	0.042	0.0021	mg/kg dry	0.0882	<0.042	108	70-130	3.22	37.6	
Aldrin	0.0843	0.042	0.0022	mg/kg dry	0.0882	<0.042	95.6	70-130	1.59	26.6	
alpha-BHC	0.0864	0.042	0.0021	mg/kg dry	0.0882	<0.042	98.0	70-130	0.340	27.3	
alpha-Chlordane	0.0857	0.042	0.0021	mg/kg dry	0.0882	<0.042	97.2	70-130	3.17	17.2	
beta-BHC	0.0854	0.042	0.0023	mg/kg dry	0.0882	<0.042	96.8	70-130	0.481	24.7	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1205 - EPA 3545 ASE Extraction											
Matrix Spike Dup (B1G1205-MSD1)		Source: 1102967-02			Prepared: 07/12/11		Analyzed: 07/14/11				
delta-BHC	0.0907	0.042	0.0021	mg/kg dry	0.0882	<0.042	103	70-130	1.48	25.9	
Dieldrin	0.0861	0.042	0.0021	mg/kg dry	0.0882	<0.042	97.6	70-130	2.76	24.6	
Endosulfan I	0.0854	0.042	0.0023	mg/kg dry	0.0882	<0.042	96.8	70-130	2.78	18.2	
Endosulfan II	0.0857	0.042	0.0022	mg/kg dry	0.0882	<0.042	97.2	70-130	3.17	16.6	
Endosulfan sulfate	0.0836	0.042	0.0022	mg/kg dry	0.0882	<0.042	94.8	70-130	4.47	16.5	
Endrin	0.0896	0.042	0.0021	mg/kg dry	0.0882	<0.042	102	70-130	3.03	18.9	
Endrin aldehyde	0.109	0.042	0.0015	mg/kg dry	0.0882	<0.042	124	70-130	3.01	17.9	
Endrin ketone	0.0896	0.042	0.0022	mg/kg dry	0.0882	<0.042	102	70-130	3.41	15.7	
gamma-BHC (Lindane)	0.0861	0.042	0.0022	mg/kg dry	0.0882	<0.042	97.6	70-130	0.0670	27	
gamma-Chlordane	0.0854	0.042	0.0022	mg/kg dry	0.0882	<0.042	96.8	70-130	2.78	20	
Heptachlor	0.0847	0.042	0.0022	mg/kg dry	0.0882	<0.042	96.0	70-130	0.349	20.3	
Heptachlor epoxide	0.0850	0.042	0.0021	mg/kg dry	0.0882	<0.042	96.4	70-130	2.39	26.2	
Methoxychlor	0.0829	0.042	0.0022	mg/kg dry	0.0882	<0.042	94.0	70-130	4.10	20.2	
Surrogate: Decachlorobiphenyl	0.0716			mg/kg dry	0.0706		102	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0695			mg/kg dry	0.0706		98.5	65.2-135			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Blank (B1G1218-BLK1)

Prepared & Analyzed: 07/12/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Blank (B1G1218-BLK1)

Prepared & Analyzed: 07/12/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.48			mg/kg wet	6.67		82.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.28			mg/kg wet	6.67		64.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.32			mg/kg wet	6.67		64.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.48			mg/kg wet	6.67		67.2	48.9-100			
Surrogate: Phenol-d6	4.74			mg/kg wet	6.67		71.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.44			mg/kg wet	6.67		66.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

LCS (B1G1218-BS1)

Prepared & Analyzed: 07/12/11

1,2,4-Trichlorobenzene	4.38	0.33	0.031	mg/kg wet	6.67		65.8	59.1-87.7			
1,4-Dichlorobenzene	4.16	0.33	0.029	mg/kg wet	6.67		62.3	50.3-72.9			
2,4-Dinitrotoluene	4.35	0.33	0.035	mg/kg wet	6.67		65.3	59.8-82.2			
2-Chlorophenol	4.86	0.67	0.060	mg/kg wet	6.67		72.9	59.7-77.3			
4-Chloro-3-methylphenol	4.87	0.67	0.066	mg/kg wet	6.67		73.1	63.6-80.4			
4-Nitrophenol	4.82	0.67	0.093	mg/kg wet	6.67		72.3	57.3-84.9			
Anthracene	4.98	0.33	0.036	mg/kg wet	6.67		74.6	67.3-88			
Benzo(a)anthracene	5.13	0.33	0.041	mg/kg wet	6.67		77.0	66.5-90.5			
Benzo(a)pyrene	5.14	0.33	0.042	mg/kg wet	6.67		77.1	66.1-89.7			
Chrysene	5.16	0.33	0.044	mg/kg wet	6.67		77.4	65.5-90.5			
Fluoranthene	5.00	0.33	0.039	mg/kg wet	6.67		75.1	66.7-89.9			
Fluorene	4.51	0.33	0.035	mg/kg wet	6.67		67.6	66.2-85.6			
N-Nitrosodi-n-propylamine	4.45	0.33	0.033	mg/kg wet	6.67		66.7	59.4-78			
Pentachlorophenol	4.83	0.67	0.078	mg/kg wet	6.67		72.4	46.7-83.2			
Phenanthrene	5.07	0.33	0.036	mg/kg wet	6.67		76.1	67.5-87.9			
Phenol	4.26	0.67	0.069	mg/kg wet	6.67		63.8	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	5.15			mg/kg wet	6.67		77.3	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.03			mg/kg wet	6.67		60.5	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.13			mg/kg wet	6.67		62.0	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.38			mg/kg wet	6.67		65.7	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.43			mg/kg wet	6.67		66.5	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.33			mg/kg wet	6.67		64.9	51-99.6			

Matrix Spike (B1G1218-MS1)

Source: 1102962-02

Prepared: 07/12/11 Analyzed: 07/13/11

1,2,4-Trichlorobenzene	3.84	0.34	0.032	mg/kg dry	6.86	<0.34	56.0	44.8-97.9			
1,4-Dichlorobenzene	3.81	0.34	0.030	mg/kg dry	6.86	<0.34	55.5	42.3-77.9			
2,4-Dinitrotoluene	4.85	0.34	0.036	mg/kg dry	6.86	<0.34	70.7	57.3-86.6			
2-Chlorophenol	3.85	0.68	0.061	mg/kg dry	6.86	<0.68	56.2	43.3-93.2			
4-Chloro-3-methylphenol	4.22	0.68	0.067	mg/kg dry	6.86	<0.68	61.6	47.1-97.6			
4-Nitrophenol	4.52	0.68	0.095	mg/kg dry	6.86	<0.68	65.9	49.3-96.2			
Anthracene	5.31	0.34	0.037	mg/kg dry	6.86	<0.34	77.5	67.5-93.1			
Benzo(a)anthracene	5.38	0.34	0.042	mg/kg dry	6.86	<0.34	78.5	59.8-95.7			
Benzo(a)pyrene	5.46	0.34	0.043	mg/kg dry	6.86	<0.34	79.6	59.8-92.7			
Chrysene	5.43	0.34	0.045	mg/kg dry	6.86	<0.34	79.2	62.5-94.6			
Fluoranthene	5.41	0.34	0.040	mg/kg dry	6.86	<0.34	77.9	61.3-92.8			
Fluorene	4.78	0.34	0.036	mg/kg dry	6.86	<0.34	69.7	62.8-92.6			
N-Nitrosodi-n-propylamine	4.04	0.34	0.034	mg/kg dry	6.86	<0.34	58.9	46.9-89.9			
Pentachlorophenol	4.15	0.68	0.080	mg/kg dry	6.86	<0.68	60.4	40.1-95.1			
Phenanthrene	5.23	0.34	0.037	mg/kg dry	6.86	<0.34	75.5	65.2-92.2			
Phenol	4.00	0.68	0.070	mg/kg dry	6.86	<0.68	58.3	44.7-91			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48 RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1102967
Date Reported: 07/19/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Matrix Spike (B1G1218-MS1)

Source: 1102962-02

Prepared: 07/12/11 Analyzed: 07/13/11

Surrogate: 2,4,6-Tribromophenol	4.71			mg/kg dry	6.86		68.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.30			mg/kg dry	6.86		62.6	53.9-97.9			
Surrogate: 2-Fluorophenol	4.02			mg/kg dry	6.86		58.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.06			mg/kg dry	6.86		59.1	48.9-100			
Surrogate: Phenol-d6	4.16			mg/kg dry	6.86		60.7	50.4-99.6			
Surrogate: Terphenyl-d14	4.64			mg/kg dry	6.86		67.6	51-99.6			

Matrix Spike Dup (B1G1218-MSD1)

Source: 1102962-02

Prepared: 07/12/11 Analyzed: 07/13/11

1,2,4-Trichlorobenzene	4.02	0.34	0.032	mg/kg dry	6.84	<0.34	58.7	44.8-97.9	4.54	19.6	
1,4-Dichlorobenzene	3.99	0.34	0.030	mg/kg dry	6.84	<0.34	58.4	42.3-77.9	4.73	22.4	
2,4-Dinitrotoluene	4.62	0.34	0.036	mg/kg dry	6.84	<0.34	67.5	57.3-86.6	4.84	19.5	
2-Chlorophenol	4.05	0.68	0.061	mg/kg dry	6.84	<0.68	59.2	43.3-93.2	4.90	23.7	
4-Chloro-3-methylphenol	4.35	0.68	0.067	mg/kg dry	6.84	<0.68	63.6	47.1-97.6	2.95	18.3	
4-Nitrophenol	4.34	0.68	0.095	mg/kg dry	6.84	<0.68	63.5	49.3-96.2	4.02	20.4	
Anthracene	5.02	0.34	0.037	mg/kg dry	6.84	<0.34	73.4	67.5-93.1	5.63	19.9	
Benzo(a)anthracene	4.96	0.34	0.042	mg/kg dry	6.84	<0.34	72.5	59.8-95.7	8.23	23.4	
Benzo(a)pyrene	5.09	0.34	0.043	mg/kg dry	6.84	<0.34	74.5	59.8-92.7	6.99	21.1	
Chrysene	5.01	0.34	0.045	mg/kg dry	6.84	<0.34	73.2	62.5-94.6	8.07	24.8	
Fluoranthene	4.97	0.34	0.040	mg/kg dry	6.84	<0.34	71.6	61.3-92.8	8.49	21.8	
Fluorene	4.83	0.34	0.036	mg/kg dry	6.84	<0.34	70.7	62.8-92.6	1.08	17.6	
N-Nitrosodi-n-propylamine	4.23	0.34	0.034	mg/kg dry	6.84	<0.34	61.9	46.9-89.9	4.66	18.9	
Pentachlorophenol	3.89	0.68	0.080	mg/kg dry	6.84	<0.68	56.9	40.1-95.1	6.31	19.7	
Phenanthrene	4.98	0.34	0.037	mg/kg dry	6.84	<0.34	72.1	65.2-92.2	4.82	20.5	
Phenol	4.16	0.68	0.070	mg/kg dry	6.84	<0.68	60.8	44.7-91	3.90	17.9	
Surrogate: 2,4,6-Tribromophenol	4.24			mg/kg dry	6.84		62.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.27			mg/kg dry	6.84		62.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.97			mg/kg dry	6.84		58.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.02			mg/kg dry	6.84		58.8	48.9-100			
Surrogate: Phenol-d6	4.10			mg/kg dry	6.84		59.9	50.4-99.6			
Surrogate: Terphenyl-d14	4.12			mg/kg dry	6.84		60.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	42.7			ug/L	50.0		85.3	80-124			
Surrogate: Dibromofluoromethane	46.5			ug/L	50.0		92.9	77.1-123			
Surrogate: Toluene-d8	45.1			ug/L	50.0		90.3	78.1-125			

LCS (B1G0502-BS1)

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	51.0			ug/L	50.0		102	75-120			
1,1-Dichloroethane	42.8			ug/L	50.0		85.7	79.6-120			
1,1-Dichloroethene	43.7			ug/L	50.0		87.5	78.3-120			
1,3,5-Trimethylbenzene	50.3			ug/L	50.0		101	77-120			
1,4-Dichlorobenzene	52.1			ug/L	50.0		104	75-125			
2-Chlorotoluene	52.2			ug/L	50.0		104	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

LCS (B1G0502-BS1)

Prepared & Analyzed: 07/05/11

Benzene	48.3			ug/L	50.0		96.6	80-120			
Bromoform	48.1			ug/L	50.0		96.3	80-120			
Chlorobenzene	49.1			ug/L	50.0		98.2	80-120			
Chloroform	47.0			ug/L	50.0		93.9	80-120			
Ethylbenzene	49.8			ug/L	50.0		99.6	80-120			
n-Butylbenzene	49.5			ug/L	50.0		99.0	75-125			
n-Propylbenzene	52.4			ug/L	50.0		105	75-120			
Toluene	49.1			ug/L	50.0		98.2	80-120			
Trichloroethene	49.1			ug/L	50.0		98.1	80-120			
Vinyl chloride	49.3			ug/L	50.0		98.6	75-130			
Surrogate: 4-Bromofluorobenzene	47.3			ug/L	50.0		94.6	80-124			
Surrogate: Dibromofluoromethane	46.7			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	46.7			ug/L	50.0		93.5	78.1-125			

Matrix Spike (B1G0502-MS1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	51.8			ug/L	50.0	<	104	75-125			
1,1-Dichloroethane	43.9			ug/L	50.0	<	87.8	78.7-123			
1,1-Dichloroethene	42.7			ug/L	50.0	<	85.4	75.8-121			
1,3,5-Trimethylbenzene	51.3			ug/L	50.0	<	103	75-120			
1,4-Dichlorobenzene	52.7			ug/L	50.0	<	105	75-125			
2-Chlorotoluene	52.8			ug/L	50.0	<	106	75-120			
Benzene	47.5			ug/L	50.0	<	95.1	80-120			
Bromoform	48.7			ug/L	50.0	<	97.3	80-120			
Chlorobenzene	51.6			ug/L	50.0	<	103	80-120			
Chloroform	45.9			ug/L	50.0	<	91.8	80-120			
Ethylbenzene	51.0			ug/L	50.0	<	102	80-120			
n-Butylbenzene	51.4			ug/L	50.0	<	103	73.8-125			
n-Propylbenzene	52.8			ug/L	50.0	<	106	75-120			
Toluene	48.7			ug/L	50.0	<	97.5	80-120			
Trichloroethene	49.6			ug/L	50.0	<	99.2	80-120			
Vinyl chloride	47.5			ug/L	50.0	<	95.1	74.8-130			
Surrogate: 4-Bromofluorobenzene	46.9			ug/L	50.0		93.8	80-124			
Surrogate: Dibromofluoromethane	46.7			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	45.7			ug/L	50.0		91.4	78.1-125			

Matrix Spike Dup (B1G0502-MSD1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	49.6			ug/L	50.0	<	99.1	75-125	4.41	20	
1,1-Dichloroethane	43.4			ug/L	50.0	<	86.8	78.7-123	1.14	20	
1,1-Dichloroethene	43.6			ug/L	50.0	<	87.2	75.8-121	2.02	20	
1,3,5-Trimethylbenzene	50.3			ug/L	50.0	<	101	75-120	2.04	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0502 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1G0502-MSD1)			Source: 1102929-01			Prepared & Analyzed: 07/05/11					
1,4-Dichlorobenzene	52.5			ug/L	50.0	<	105	75-125	0.519	20	
2-Chlorotoluene	50.7			ug/L	50.0	<	101	75-120	4.18	20	
Benzene	47.7			ug/L	50.0	<	95.5	80-120	0.435	20	
Bromoform	49.1			ug/L	50.0	<	98.2	80-120	0.852	20	
Chlorobenzene	50.7			ug/L	50.0	<	101	80-120	1.83	20	
Chloroform	45.5			ug/L	50.0	<	90.9	80-120	0.918	20	
Ethylbenzene	50.8			ug/L	50.0	<	102	80-120	0.427	20	
n-Butylbenzene	49.2			ug/L	50.0	<	98.5	73.8-125	4.25	20	
n-Propylbenzene	50.7			ug/L	50.0	<	101	75-120	3.89	20	
Toluene	47.9			ug/L	50.0	<	95.8	80-120	1.73	20	
Trichloroethene	48.9			ug/L	50.0	<	97.9	80-120	1.28	20	
Vinyl chloride	47.5			ug/L	50.0	<	94.9	74.8-130	0.181	20	
Surrogate: 4-Bromofluorobenzene	47.1			ug/L	50.0		94.3	80-124			
Surrogate: Dibromofluoromethane	47.3			ug/L	50.0		94.5	77.1-123			
Surrogate: Toluene-d8	46.4			ug/L	50.0		92.8	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48 RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102967 Date Reported: 07/19/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1407 - General Prep											
Duplicate (B1G1407-DUP1)		Source: 1102962-03				Prepared & Analyzed: 07/14/11					
Flashpoint	>140			°F		0.00				5	
Reference (B1G1407-SRM1)											
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48 RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1102967
Date Reported: 07/19/11

Notes and Definitions

W-03 The initial sample weight was less than 8.0 grams.
J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 1102967

Project Number: 2319-1092-00 48RI 810
Project Name: WYOMING FIGHT - GOW CENTRAL
Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 33962

Location	Start Depth	Stop Depth	Depth Unit (m/ft or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type		On lot?	Date	Time	Received by	Date	Time
						Water	Soil						
01. GC-561	0.5	0.5	ft	06/24/2011	10:45	X	X	X	6/29/11	08:45	Shon AS	6/29/11	10:00
02. GC-552	↓	↓	↓	↓	11:30	X	X	X					
03. Z22A-554	↓	↓	↓	↓	13:30	X	X	X					
04. Z22A-555	↓	↓	↓	↓	13:15	X	X	X					
05. Z22A-556	↓	↓	↓	↓	13:45	X	X	X					
06. RR-D5-554	↓	↓	↓	↓	14:30	X	X	X					
07. RR-D5-553	↓	↓	↓	↓	15:00	X	X	X					
08. D5-552	↓	↓	↓	↓	15:15	X	X	X					
09.													
10.													

Relinquished By: Shon AS Date: 6/29/11 Time: 08:45
Relinquished By: _____ Date: _____ Time: _____

Samples Shipped VIA: Air Freight Federal Express Sampler
 Other: _____

Distribution: White-Original Accompanying Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator 3



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 14, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102969
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 06/30/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102969 Date Reported: 07/14/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C7-SS2_0.5-0.5	1102969-01	Soil	06/29/11 16:45	06/30/11 10:00
C7-SS1_0.5-0.5	1102969-02	Soil	06/29/11 17:00	06/30/11 10:00

Shipping Container Information

Default Cooler Temperature (°C): 3.1

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102969 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C7-SS2_0.5-0.5 (1102969-01) Soil Sampled: 06/29/11 16:45 Received: 06/30/11 10:00										
Arsenic	5.5	0.59	0.065	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	150	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	16	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	12	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
C7-SS1_0.5-0.5 (1102969-02) Soil Sampled: 06/29/11 17:00 Received: 06/30/11 10:00										
Arsenic	4.6	0.53	0.058	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	68	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	14	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.1	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G0711	07/07/11	07/11/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102969 Date Reported: 07/14/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C7-SS2_0.5-0.5 (1102969-01) Soil Sampled: 06/29/11 16:45 Received: 06/30/11 10:00										
% Solids	85			%	1	B1G0812	07/08/11	07/11/11	% calculation	
C7-SS1_0.5-0.5 (1102969-02) Soil Sampled: 06/29/11 17:00 Received: 06/30/11 10:00										
% Solids	89			%	1	B1G0812	07/08/11	07/11/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102969 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0711 - EPA 7471A											
Blank (B1G0711-BLK1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G0711-BS1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.186	0.10	0.019	mg/kg wet	0.200		93.0	80-120			
LCS Dup (B1G0711-BSD1)						Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.187	0.10	0.019	mg/kg wet	0.200		93.5	80-120	0.536	20	
Matrix Spike (B1G0711-MS1)						Source: 1102930-01 Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.279	0.12	0.023	mg/kg dry	0.241	<0.12	102	75-125			
Matrix Spike Dup (B1G0711-MSD1)						Source: 1102930-01 Prepared: 07/07/11 Analyzed: 07/11/11					
Mercury	0.253	0.12	0.023	mg/kg dry	0.236	<0.12	93.3	75-125	9.69	20	
Batch B1G0715 - EPA 3050B											
Blank (B1G0715-BLK1)						Prepared: 07/07/11 Analyzed: 07/14/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G0715-BS1)						Prepared: 07/07/11 Analyzed: 07/14/11					
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	41.1	1.0	0.060	mg/kg wet	39.9		103	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.8	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	42.0	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	40.5	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.12	0.25	0.016	mg/kg wet	3.99		103	80-120			
LCS Dup (B1G0715-BSD1)						Prepared: 07/07/11 Analyzed: 07/14/11					
Arsenic	41.4	0.50	0.055	mg/kg wet	39.9		104	80-120	0.926	20	
Barium	41.2	1.0	0.060	mg/kg wet	39.9		103	80-120	0.236	20	
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120	0.0133	20	
Chromium	42.0	0.50	0.012	mg/kg wet	39.9		105	80-120	0.318	20	
Lead	42.1	1.0	0.14	mg/kg wet	39.9		106	80-120	0.215	20	
Selenium	41.0	1.0	0.095	mg/kg wet	39.9		103	80-120	1.06	20	
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120	1.40	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102969 Date Reported: 07/14/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0715 - EPA 3050B											
Matrix Spike (B1G0715-MS1)		Source: 1102964-02			Prepared: 07/07/11		Analyzed: 07/14/11				
Arsenic	40.9	0.51	0.056	mg/kg dry	39.1	1.64	100	75-125			
Barium	54.7	1.0	0.061	mg/kg dry	39.1	17.2	96.0	75-125			
Cadmium	39.5	0.26	0.034	mg/kg dry	39.1	<0.26	101	75-125			
Chromium	47.1	0.51	0.012	mg/kg dry	39.1	8.14	99.5	75-125			
Lead	43.6	1.0	0.14	mg/kg dry	39.1	5.96	96.2	75-125			
Selenium	38.1	1.0	0.097	mg/kg dry	39.1	<1.0	96.9	75-125			
Silver	3.85	0.26	0.016	mg/kg dry	3.91	<0.26	98.4	75-125			
Matrix Spike Dup (B1G0715-MSD1)											
Matrix Spike Dup (B1G0715-MSD1)		Source: 1102964-02			Prepared: 07/07/11		Analyzed: 07/14/11				
Arsenic	40.8	0.48	0.053	mg/kg dry	38.6	1.64	102	75-125	0.124	20	
Barium	55.7	0.97	0.058	mg/kg dry	38.6	17.2	99.8	75-125	1.69	20	
Cadmium	40.0	0.24	0.032	mg/kg dry	38.6	<0.24	103	75-125	1.25	20	
Chromium	48.3	0.48	0.012	mg/kg dry	38.6	8.14	104	75-125	2.62	20	
Lead	44.3	0.97	0.14	mg/kg dry	38.6	5.96	99.4	75-125	1.59	20	
Selenium	38.4	0.97	0.092	mg/kg dry	38.6	<0.97	99.1	75-125	0.794	20	
Silver	3.88	0.24	0.015	mg/kg dry	3.86	<0.24	101	75-125	0.801	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00-48RI-810 Project Manager: Ms. Andrea Nord	Work Order #: 1102969 Date Reported: 07/14/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0812 - General Preparation											
Duplicate (B1G0812-DUP1)							Source: 1102967-03				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	80.0			%		81.0			1.24	20	
Duplicate (B1G0812-DUP2)							Source: 1102981-03				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	81.0			%		80.0			1.24	20	
Duplicate (B1G0812-DUP3)							Source: 1102983-01				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	84.0			%		84.0			0.00	20	
Duplicate (B1G0812-DUP4)							Source: 1102983-02				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	82.0			%		83.0			1.21	20	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00-48RI-810
Project Manager: Ms. Andrea Nord

Work Order #: 1102969
Date Reported: 07/14/11

Notes and Definitions

< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
 4700 West 77th Street
 Minneapolis MN 55435-4803
 (952) 832-2600

1102969

Project Number: 2319-1092.00-48RI-810
 Project Name: Umare East, Gow East
 Sample Origination State MN (use two letter postal state abbreviation)

COC Number: NO 33963

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	QC Comp.	Number of Containers/Preservative														
						Water	Soil			Water					Soil									
										VOCs (HCl) #1	SVOCS (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)		
1. C7-SS2	0.5	0.5	ft	06/29/2011	16:45	X	X	X													X	X	X	
2. C7-SS1	↓	↓	↓	↓	17:00	X	X	X													X	X	X	
3.																								
4.																								
5.																								
6.																								
7.																								
8.																								
9.																								
10.																								

Project Manager: JME
 Project OC Contact: AAW
 Sampled by: ARB - AMB
 Laboratory: Legend
 Analyze for: PCBs, Metals

COC 3 of 3
 Date: 6/30/11
 Time: 15:00

Relinquished By: *Ant Schipke*
 Relinquished Date: 6/30/11
 On Ice? N

Received by: *B. Harris*
 Received Date: 6/30/11
 Time: 0545
 On Ice? Y N

Samples Shipped VIA: Air Freight Federal Express Sampler
 Other: _____

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator 312

H:\RLG\STDFORMS\Chain Of Custody Form 2009 RLG Rev. 09/01/09



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 18, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102980
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 07/01/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Bach Pham".

Bach Pham
Report Reviewer
bpham@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102980 Date Reported: 07/18/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
617A-TT1_0.5-0.5	1102980-01	Soil	06/30/11 08:00	07/01/11 09:30
617A-TT2_0.5-0.5	1102980-02	Soil	06/30/11 09:30	07/01/11 09:30
617A-TT2_2-2	1102980-03	Soil	06/30/11 09:45	07/01/11 09:30
617A-TT9_0.5-0.5	1102980-04	Soil	06/30/11 10:15	07/01/11 09:30
617A-TT4_0.5-0.5	1102980-05	Soil	06/30/11 10:45	07/01/11 09:30
C7-Coal	1102980-06	Soil	06/30/11 11:00	07/01/11 09:30
617A-TT5_1-1	1102980-07	Soil	06/30/11 11:15	07/01/11 09:30
617A-TT5_0.5-0.5	1102980-08	Soil	06/30/11 11:30	07/01/11 09:30
617A-TT3_0.5-0.5	1102980-09	Soil	06/30/11 13:00	07/01/11 09:30
617A-TT7_0.5-0.5	1102980-10	Soil	06/30/11 13:30	07/01/11 09:30
617A-TT6_0.5-0.5	1102980-11	Soil	06/30/11 13:45	07/01/11 09:30
617A-TT6_2-2	1102980-12	Soil	06/30/11 13:50	07/01/11 09:30
617A-TT8_1.5-1.5	1102980-13	Soil	06/30/11 14:00	07/01/11 09:30
617A-TT8_2-2	1102980-14	Soil	06/30/11 14:15	07/01/11 09:30

Shipping Container Information

Default Cooler Temperature (°C): 4.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102980 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT1_0.5-0.5 (1102980-01) Soil Sampled: 06/30/11 08:00 Received: 07/01/11 9:30										
Arsenic	5.4	0.61	0.067	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Barium	170	1.2	0.073	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	16	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	9.4	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	
617A-TT2_0.5-0.5 (1102980-02) Soil Sampled: 06/30/11 09:30 Received: 07/01/11 9:30										
Arsenic	5.1	0.56	0.061	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Barium	86	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	13	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.9	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	0.12	0.11	0.021	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
617A-TT2_2-2 (1102980-03) Soil Sampled: 06/30/11 09:45 Received: 07/01/11 9:30										
Arsenic	1.9	0.52	0.057	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Barium	21	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	6.9	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.9	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
617A-TT9_0.5-0.5 (1102980-04) Soil Sampled: 06/30/11 10:15 Received: 07/01/11 9:30										
Arsenic	4.3	0.57	0.062	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Barium	77	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	12	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	12	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
617A-TT4_0.5-0.5 (1102980-05) Soil Sampled: 06/30/11 10:45 Received: 07/01/11 9:30										
Arsenic	6.2	0.58	0.064	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102980 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT4_0.5-0.5 (1102980-05) Soil Sampled: 06/30/11 10:45 Received: 07/01/11 9:30										
Barium	110	1.2	0.070	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Cadmium	0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	16	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	12	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
C7-Coal (1102980-06) Soil Sampled: 06/30/11 11:00 Received: 07/01/11 9:30										
Arsenic	<0.48	0.48	0.053	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Barium	4.4	0.96	0.058	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	<0.48	0.48	0.012	mg/kg dry	1	"	"	"	"	
Lead	<0.96	0.96	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.093	0.093	0.018	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<0.96	0.96	0.091	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
617A-TT5_1-1 (1102980-07) Soil Sampled: 06/30/11 11:15 Received: 07/01/11 9:30										
Arsenic	5.6	0.59	0.065	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Barium	150	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	16	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	9.0	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
617A-TT5_0.5-0.5 (1102980-08) Soil Sampled: 06/30/11 11:30 Received: 07/01/11 9:30										
Arsenic	4.1	0.56	0.062	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Barium	46	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	9.1	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	9.9	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
617A-TT3_0.5-0.5 (1102980-09) Soil Sampled: 06/30/11 13:00 Received: 07/01/11 9:30										
Arsenic	6.2	0.60	0.066	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Barium	140	1.2	0.072	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102980
 Date Reported: 07/18/11

TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT3_0.5-0.5 (1102980-09) Soil Sampled: 06/30/11 13:00 Received: 07/01/11 9:30										
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Chromium	17	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	11	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
617A-TT7_0.5-0.5 (1102980-10) Soil Sampled: 06/30/11 13:30 Received: 07/01/11 9:30										
Arsenic	6.5	0.55	0.060	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Barium	150	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	17	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
617A-TT6_0.5-0.5 (1102980-11) Soil Sampled: 06/30/11 13:45 Received: 07/01/11 9:30										
Arsenic	6.3	0.57	0.063	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Barium	180	1.1	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	16	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	9.6	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
617A-TT6_2-2 (1102980-12) Soil Sampled: 06/30/11 13:50 Received: 07/01/11 9:30										
Arsenic	7.8	0.62	0.068	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Barium	120	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	21	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	8.9	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
617A-TT8_1.5-1.5 (1102980-13) Soil Sampled: 06/30/11 14:00 Received: 07/01/11 9:30										
Arsenic	6.6	0.63	0.070	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Barium	170	1.3	0.076	mg/kg dry	1	"	"	"	"	
Cadmium	<0.32	0.32	0.042	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102980 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT8_1.5-1.5 (1102980-13) Soil Sampled: 06/30/11 14:00 Received: 07/01/11 9:30										
Chromium	18	0.63	0.015	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Lead	9.5	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.13	0.13	0.024	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.32	0.32	0.020	mg/kg dry	1	"	"	"	"	
617A-TT8_2-2 (1102980-14) Soil Sampled: 06/30/11 14:15 Received: 07/01/11 9:30										
Arsenic	8.1	0.59	0.064	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Barium	120	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	20	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	10	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G1105	07/11/11	07/12/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G1104	07/11/11	07/12/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102980 Date Reported: 07/18/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT1_0.5-0.5 (1102980-01) Soil Sampled: 06/30/11 08:00 Received: 07/01/11 9:30										
% Solids	82			%	1	B1G1109	07/11/11	07/12/11	% calculation	
617A-TT2_0.5-0.5 (1102980-02) Soil Sampled: 06/30/11 09:30 Received: 07/01/11 9:30										
% Solids	90			%	1	B1G1109	07/11/11	07/12/11	% calculation	
617A-TT2_2-2 (1102980-03) Soil Sampled: 06/30/11 09:45 Received: 07/01/11 9:30										
% Solids	97			%	1	B1G1109	07/11/11	07/12/11	% calculation	
617A-TT9_0.5-0.5 (1102980-04) Soil Sampled: 06/30/11 10:15 Received: 07/01/11 9:30										
% Solids	88			%	1	B1G1109	07/11/11	07/12/11	% calculation	
617A-TT4_0.5-0.5 (1102980-05) Soil Sampled: 06/30/11 10:45 Received: 07/01/11 9:30										
% Solids	86			%	1	B1G1109	07/11/11	07/12/11	% calculation	
C7-Coal (1102980-06) Soil Sampled: 06/30/11 11:00 Received: 07/01/11 9:30										
% Solids	97			%	1	B1G1109	07/11/11	07/12/11	% calculation	
617A-TT5_1-1 (1102980-07) Soil Sampled: 06/30/11 11:15 Received: 07/01/11 9:30										
% Solids	85			%	1	B1G1109	07/11/11	07/12/11	% calculation	
617A-TT5_0.5-0.5 (1102980-08) Soil Sampled: 06/30/11 11:30 Received: 07/01/11 9:30										
% Solids	89			%	1	B1G1109	07/11/11	07/12/11	% calculation	
617A-TT3_0.5-0.5 (1102980-09) Soil Sampled: 06/30/11 13:00 Received: 07/01/11 9:30										
% Solids	83			%	1	B1G1109	07/11/11	07/12/11	% calculation	
617A-TT7_0.5-0.5 (1102980-10) Soil Sampled: 06/30/11 13:30 Received: 07/01/11 9:30										
% Solids	85			%	1	B1G1109	07/11/11	07/12/11	% calculation	
617A-TT6_0.5-0.5 (1102980-11) Soil Sampled: 06/30/11 13:45 Received: 07/01/11 9:30										
% Solids	82			%	1	B1G1109	07/11/11	07/12/11	% calculation	
617A-TT6_2-2 (1102980-12) Soil Sampled: 06/30/11 13:50 Received: 07/01/11 9:30										
% Solids	81			%	1	B1G1109	07/11/11	07/12/11	% calculation	
617A-TT8_1.5-1.5 (1102980-13) Soil Sampled: 06/30/11 14:00 Received: 07/01/11 9:30										
% Solids	79			%	1	B1G1109	07/11/11	07/12/11	% calculation	
617A-TT8_2-2 (1102980-14) Soil Sampled: 06/30/11 14:15 Received: 07/01/11 9:30										
% Solids	80			%	1	B1G1109	07/11/11	07/12/11	% calculation	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102980
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT5_1-1 (1102980-07) Soil Sampled: 06/30/11 11:15 Received: 07/01/11 9:30										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102980 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT5_1-1 (1102980-07) Soil Sampled: 06/30/11 11:15 Received: 07/01/11 9:30										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	86.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	89.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	74.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	84.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	84.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	97.3			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT5_0.5-0.5 (1102980-08) Soil Sampled: 06/30/11 11:30 Received: 07/01/11 9:30										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.17	0.37	0.040	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	0.076	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.096	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT5_0.5-0.5 (1102980-08) Soil Sampled: 06/30/11 11:30 Received: 07/01/11 9:30										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1G1218	07/12/11	07/13/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	0.071	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.10	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.080	0.37	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	0.047	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.26	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.11	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	94.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	89.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	80.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	83.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	84.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	94.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102980 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1104 - EPA 3050B

Blank (B1G1104-BLK1)

Prepared: 07/11/11 Analyzed: 07/12/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G1104-BS1)

Prepared: 07/11/11 Analyzed: 07/12/11

Arsenic	41.2	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	41.2	1.0	0.060	mg/kg wet	39.9		103	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.8	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	41.2	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	41.3	1.0	0.095	mg/kg wet	39.9		104	80-120			
Silver	4.14	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1G1104-BSD1)

Prepared: 07/11/11 Analyzed: 07/12/11

Arsenic	39.8	0.50	0.055	mg/kg wet	39.9		99.8	80-120	3.47	20	
Barium	41.1	1.0	0.060	mg/kg wet	39.9		103	80-120	0.140	20	
Cadmium	39.8	0.25	0.033	mg/kg wet	39.9		99.9	80-120	3.07	20	
Chromium	40.5	0.50	0.012	mg/kg wet	39.9		102	80-120	3.01	20	
Lead	40.0	1.0	0.14	mg/kg wet	39.9		100	80-120	2.83	20	
Selenium	40.1	1.0	0.095	mg/kg wet	39.9		101	80-120	3.03	20	
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120	2.05	20	

Matrix Spike (B1G1104-MS1)

Source: 1102980-14

Prepared: 07/11/11 Analyzed: 07/12/11

Arsenic	52.5	0.62	0.069	mg/kg dry	48.1	8.05	92.4	75-125			
Barium	168	1.2	0.075	mg/kg dry	48.1	117	106	75-125			
Cadmium	45.7	0.31	0.041	mg/kg dry	48.1	<0.31	94.6	75-125			
Chromium	68.0	0.62	0.015	mg/kg dry	48.1	19.9	100	75-125			
Lead	52.7	1.2	0.18	mg/kg dry	48.1	10.1	88.6	75-125			
Selenium	43.1	1.2	0.12	mg/kg dry	48.1	<1.2	89.4	75-125			
Silver	4.44	0.31	0.020	mg/kg dry	4.81	<0.31	92.4	75-125			

Matrix Spike Dup (B1G1104-MSD1)

Source: 1102980-14

Prepared: 07/11/11 Analyzed: 07/12/11

Arsenic	51.8	0.59	0.065	mg/kg dry	47.0	8.05	93.0	75-125	1.36	20	
Barium	166	1.2	0.071	mg/kg dry	47.0	117	103	75-125	1.45	20	
Cadmium	44.7	0.29	0.039	mg/kg dry	47.0	<0.29	94.8	75-125	2.06	20	
Chromium	67.2	0.59	0.014	mg/kg dry	47.0	19.9	101	75-125	1.14	20	
Lead	51.5	1.2	0.16	mg/kg dry	47.0	10.1	88.0	75-125	2.39	20	
Selenium	42.3	1.2	0.11	mg/kg dry	47.0	<1.2	89.7	75-125	1.98	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102980 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1104 - EPA 3050B											
Matrix Spike Dup (B1G1104-MSD1) Source: 1102980-14 Prepared: 07/11/11 Analyzed: 07/12/11											
Silver	4.31	0.29	0.019	mg/kg dry	4.70	<0.29	91.7	75-125	2.98	20	
Batch B1G1105 - EPA 7471A											
Blank (B1G1105-BLK1) Prepared: 07/11/11 Analyzed: 07/12/11											
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G1105-BS1) Prepared: 07/11/11 Analyzed: 07/12/11											
Mercury	0.211	0.10	0.019	mg/kg wet	0.200		106	80-120			
LCS Dup (B1G1105-BSD1) Prepared: 07/11/11 Analyzed: 07/12/11											
Mercury	0.200	0.10	0.019	mg/kg wet	0.200		100	80-120	5.35	20	
Matrix Spike (B1G1105-MS1) Source: 1102951-03 Prepared: 07/11/11 Analyzed: 07/12/11											
Mercury	0.197	0.095	0.018	mg/kg dry	0.190	<0.095	104	75-125			
Matrix Spike Dup (B1G1105-MSD1) Source: 1102951-03 Prepared: 07/11/11 Analyzed: 07/12/11											
Mercury	0.227	0.10	0.019	mg/kg dry	0.201	<0.10	113	75-125	14.1	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102980 Date Reported: 07/18/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1109 - General Preparation											
Duplicate (B1G1109-DUP1)											
% Solids	88.0			%		90.0			2.25	20	
Duplicate (B1G1109-DUP2)											
% Solids	81.0			%		81.0			0.00	20	
Duplicate (B1G1109-DUP3)											
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1G1109-DUP4)											
% Solids	85.0			%		87.0			2.33	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102980 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Blank (B1G1218-BLK1)

Prepared & Analyzed: 07/12/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102980 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Blank (B1G1218-BLK1)

Prepared & Analyzed: 07/12/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.48			mg/kg wet	6.67		82.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.28			mg/kg wet	6.67		64.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.32			mg/kg wet	6.67		64.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.48			mg/kg wet	6.67		67.2	48.9-100			
Surrogate: Phenol-d6	4.74			mg/kg wet	6.67		71.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.44			mg/kg wet	6.67		66.6	51-99.6			

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

LCS (B1G1218-BS1)

Prepared & Analyzed: 07/12/11

1,2,4-Trichlorobenzene	4.38	0.33	0.031	mg/kg wet	6.67		65.8	59.1-87.7			
1,4-Dichlorobenzene	4.16	0.33	0.029	mg/kg wet	6.67		62.3	50.3-72.9			
2,4-Dinitrotoluene	4.35	0.33	0.035	mg/kg wet	6.67		65.3	59.8-82.2			
2-Chlorophenol	4.86	0.67	0.060	mg/kg wet	6.67		72.9	59.7-77.3			
4-Chloro-3-methylphenol	4.87	0.67	0.066	mg/kg wet	6.67		73.1	63.6-80.4			
4-Nitrophenol	4.82	0.67	0.093	mg/kg wet	6.67		72.3	57.3-84.9			
Anthracene	4.98	0.33	0.036	mg/kg wet	6.67		74.6	67.3-88			
Benzo(a)anthracene	5.13	0.33	0.041	mg/kg wet	6.67		77.0	66.5-90.5			
Benzo(a)pyrene	5.14	0.33	0.042	mg/kg wet	6.67		77.1	66.1-89.7			
Chrysene	5.16	0.33	0.044	mg/kg wet	6.67		77.4	65.5-90.5			
Fluoranthene	5.00	0.33	0.039	mg/kg wet	6.67		75.1	66.7-89.9			
Fluorene	4.51	0.33	0.035	mg/kg wet	6.67		67.6	66.2-85.6			
N-Nitrosodi-n-propylamine	4.45	0.33	0.033	mg/kg wet	6.67		66.7	59.4-78			
Pentachlorophenol	4.83	0.67	0.078	mg/kg wet	6.67		72.4	46.7-83.2			
Phenanthrene	5.07	0.33	0.036	mg/kg wet	6.67		76.1	67.5-87.9			
Phenol	4.26	0.67	0.069	mg/kg wet	6.67		63.8	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.15			mg/kg wet	6.67		77.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.03			mg/kg wet	6.67		60.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.13			mg/kg wet	6.67		62.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.38			mg/kg wet	6.67		65.7	48.9-100			
Surrogate: Phenol-d6	4.43			mg/kg wet	6.67		66.5	50.4-99.6			
Surrogate: Terphenyl-d14	4.33			mg/kg wet	6.67		64.9	51-99.6			

Matrix Spike (B1G1218-MS1)

Source: 1102962-02

Prepared: 07/12/11 Analyzed: 07/13/11

1,2,4-Trichlorobenzene	3.84	0.34	0.032	mg/kg dry	6.86	<0.34	56.0	44.8-97.9			
1,4-Dichlorobenzene	3.81	0.34	0.030	mg/kg dry	6.86	<0.34	55.5	42.3-77.9			
2,4-Dinitrotoluene	4.85	0.34	0.036	mg/kg dry	6.86	<0.34	70.7	57.3-86.6			
2-Chlorophenol	3.85	0.68	0.061	mg/kg dry	6.86	<0.68	56.2	43.3-93.2			
4-Chloro-3-methylphenol	4.22	0.68	0.067	mg/kg dry	6.86	<0.68	61.6	47.1-97.6			
4-Nitrophenol	4.52	0.68	0.095	mg/kg dry	6.86	<0.68	65.9	49.3-96.2			
Anthracene	5.31	0.34	0.037	mg/kg dry	6.86	<0.34	77.5	67.5-93.1			
Benzo(a)anthracene	5.38	0.34	0.042	mg/kg dry	6.86	<0.34	78.5	59.8-95.7			
Benzo(a)pyrene	5.46	0.34	0.043	mg/kg dry	6.86	<0.34	79.6	59.8-92.7			
Chrysene	5.43	0.34	0.045	mg/kg dry	6.86	<0.34	79.2	62.5-94.6			
Fluoranthene	5.41	0.34	0.040	mg/kg dry	6.86	<0.34	77.9	61.3-92.8			
Fluorene	4.78	0.34	0.036	mg/kg dry	6.86	<0.34	69.7	62.8-92.6			
N-Nitrosodi-n-propylamine	4.04	0.34	0.034	mg/kg dry	6.86	<0.34	58.9	46.9-89.9			
Pentachlorophenol	4.15	0.68	0.080	mg/kg dry	6.86	<0.68	60.4	40.1-95.1			
Phenanthrene	5.23	0.34	0.037	mg/kg dry	6.86	<0.34	75.5	65.2-92.2			
Phenol	4.00	0.68	0.070	mg/kg dry	6.86	<0.68	58.3	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102980 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1218 - EPA 3545 ASE Extraction

Matrix Spike (B1G1218-MS1)

Source: 1102962-02

Prepared: 07/12/11

Analyzed: 07/13/11

Surrogate: 2,4,6-Tribromophenol	4.71			mg/kg dry	6.86		68.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.30			mg/kg dry	6.86		62.6	53.9-97.9			
Surrogate: 2-Fluorophenol	4.02			mg/kg dry	6.86		58.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.06			mg/kg dry	6.86		59.1	48.9-100			
Surrogate: Phenol-d6	4.16			mg/kg dry	6.86		60.7	50.4-99.6			
Surrogate: Terphenyl-d14	4.64			mg/kg dry	6.86		67.6	51-99.6			

Matrix Spike Dup (B1G1218-MSD1)

Source: 1102962-02

Prepared: 07/12/11

Analyzed: 07/13/11

1,2,4-Trichlorobenzene	4.02	0.34	0.032	mg/kg dry	6.84	<0.34	58.7	44.8-97.9	4.54	19.6	
1,4-Dichlorobenzene	3.99	0.34	0.030	mg/kg dry	6.84	<0.34	58.4	42.3-77.9	4.73	22.4	
2,4-Dinitrotoluene	4.62	0.34	0.036	mg/kg dry	6.84	<0.34	67.5	57.3-86.6	4.84	19.5	
2-Chlorophenol	4.05	0.68	0.061	mg/kg dry	6.84	<0.68	59.2	43.3-93.2	4.90	23.7	
4-Chloro-3-methylphenol	4.35	0.68	0.067	mg/kg dry	6.84	<0.68	63.6	47.1-97.6	2.95	18.3	
4-Nitrophenol	4.34	0.68	0.095	mg/kg dry	6.84	<0.68	63.5	49.3-96.2	4.02	20.4	
Anthracene	5.02	0.34	0.037	mg/kg dry	6.84	<0.34	73.4	67.5-93.1	5.63	19.9	
Benzo(a)anthracene	4.96	0.34	0.042	mg/kg dry	6.84	<0.34	72.5	59.8-95.7	8.23	23.4	
Benzo(a)pyrene	5.09	0.34	0.043	mg/kg dry	6.84	<0.34	74.5	59.8-92.7	6.99	21.1	
Chrysene	5.01	0.34	0.045	mg/kg dry	6.84	<0.34	73.2	62.5-94.6	8.07	24.8	
Fluoranthene	4.97	0.34	0.040	mg/kg dry	6.84	<0.34	71.6	61.3-92.8	8.49	21.8	
Fluorene	4.83	0.34	0.036	mg/kg dry	6.84	<0.34	70.7	62.8-92.6	1.08	17.6	
N-Nitrosodi-n-propylamine	4.23	0.34	0.034	mg/kg dry	6.84	<0.34	61.9	46.9-89.9	4.66	18.9	
Pentachlorophenol	3.89	0.68	0.080	mg/kg dry	6.84	<0.68	56.9	40.1-95.1	6.31	19.7	
Phenanthrene	4.98	0.34	0.037	mg/kg dry	6.84	<0.34	72.1	65.2-92.2	4.82	20.5	
Phenol	4.16	0.68	0.070	mg/kg dry	6.84	<0.68	60.8	44.7-91	3.90	17.9	
Surrogate: 2,4,6-Tribromophenol	4.24			mg/kg dry	6.84		62.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.27			mg/kg dry	6.84		62.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.97			mg/kg dry	6.84		58.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.02			mg/kg dry	6.84		58.8	48.9-100			
Surrogate: Phenol-d6	4.10			mg/kg dry	6.84		59.9	50.4-99.6			
Surrogate: Terphenyl-d14	4.12			mg/kg dry	6.84		60.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102980 Date Reported: 07/18/11
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Notes and Definitions

J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 2319-1092-00 482I 810
Project Name: UMore East-Gow East
Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 33974

1102980

COC #	Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type			VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	Number of Containers/Preservative								COC # of Z	
							Water	Soil	Grab								Comp.	OC	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)		Total Number Of Containers
01	617A-TT1	0.5	0.5	ft	06/30/11	08:00	X	X	X								X	X	X	X	X	X	2	Analyze RCRA Metals	7/11/11	9:30
02	617A-TT2	0.5	0.5	ft		09:30	X	X	X								X	X	X	X	X	X	2			
03	↓	2	2	ft		09:45	X	X	X								X	X	X	X	X	X	2			
04	617A-TT9	0.5	0.5	ft		10:15	X	X	X								X	X	X	X	X	X	2			
05	617A-TT4	0.5	0.5	ft		10:45	X	X	X								X	X	X	X	X	X	2			
06	C7-Coal	-	-	-		11:00	X	X	X								X	X	X	X	X	X	2			
07	617A-TT5	1	1	ft		11:15	X	X	X								X	X	X	X	X	X	3	Analyze RCRA Metals + SVOCS		
08	↓	0.5	0.5	ft		11:30	X	X	X								X	X	X	X	X	X	3			
09	617A-TT3	0.5	0.5	ft		13:00	X	X	X								X	X	X	X	X	X	2	Analyze RCRA Metals		
10	617A-TT4	0.5	0.5	ft		13:30	X	X	X								X	X	X	X	X	X	2			

Common Parameters/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Requisitioned By: SPRAT-Schuyler Date: 7/11/11 Time: 06:00
 Relinquished By: _____ Date: _____ Time: _____
 Samples Shipped VIA: Air Freight Federal Express Sampler
 Other: _____
 Air Bill Number: _____
 Received by: [Signature] Date: 7/11/11 Time: 9:30

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator
RR
Custody Seal
M.2

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
BARR (952) 832-2600

Project Number: 23/19-1092.00 48R1 8/10
Project Name: UMore East - East GOW
Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: **NO 33085**

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type		
						Water	Soil	Comp.
1. 617A-TT6	0.5	0.5	ft	06/30/04	13:45	X	X	
2. 617A-TT6	2	2			13:50	X	X	
3. 617A-TT8	1.5	1.5			1400	X	X	
4. 617A-TT8	2	2			1415	X	X	
5. A								
6.								
7.								
8.								
9.								
10.								

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Number of Containers/Preservative		COC 2 of 2	
Water	Soil	Project Manager: JME	Date
VOCs (tared MeOH) #1 GRO, BTEX (tared MeOH) #1 Metals (unpreserved) SVOCs (unpreserved) #2 % Solids (plastic vial, unpres.) Total Number Of Containers	VOCs (tared MeOH) #1 GRO, BTEX (tared MeOH) #1 Metals (unpreserved) SVOCs (unpreserved) #2 % Solids (plastic vial, unpres.) Total Number Of Containers	Project OC Contact: AAN Sampled by: KUB Laboratory: legend Analyze RCRA Metals	Date: 7/11/11 Time: 9:30

Relinquished By: *Dust-Schmitke* Date: 07/11/11 06:00
 Relinquished By: *[Signature]* Date: 7/11/11 9:30
 Received by: *[Signature]*
 Air Bill Number: *[Blank]*

Samples Shipped VIA: Air Freight Federal Express Sampler Other: *U.2*

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator *RR*



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 18, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102981
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 07/01/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "Bach Pham".

Bach Pham
Report Reviewer
bpham@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A7-SS1_0.5-0.5	1102981-01	Soil	06/30/11 09:50	07/01/11 09:30
A6-SS2_0.5-0.5	1102981-02	Soil	06/30/11 10:50	07/01/11 09:30
A6-SS1_0.5-0.5	1102981-03	Soil	06/30/11 11:20	07/01/11 09:30
A5-SS3_0.5-0.5	1102981-04	Soil	06/30/11 12:10	07/01/11 09:30
RR-A5-SS2_0.5-0.5	1102981-05	Soil	06/30/11 12:40	07/01/11 09:30
RR-A5-SS1_0.5-0.5	1102981-06	Soil	06/30/11 13:15	07/01/11 09:30
RR-A7-SS1_0.5-0.5	1102981-07	Soil	06/30/11 13:45	07/01/11 09:30
FB-1	1102981-08	Water	06/30/11 00:00	07/01/11 09:30
M-1	1102981-09	Soil	06/30/11 00:00	07/01/11 09:30

Shipping Container Information

Default Cooler Temperature (°C): 5.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

Recovery for the 8270 surrogate 2,4,6-tribromophenol was above laboratory limits in the sample A6-SS2_0.5-0.5.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A7-SS1_0.5-0.5 (1102981-01) Soil Sampled: 06/30/11 09:50 Received: 07/01/11 9:30										
Arsenic	6.3	0.62	0.068	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	190	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	19	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	12	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
A6-SS2_0.5-0.5 (1102981-02) Soil Sampled: 06/30/11 10:50 Received: 07/01/11 9:30										
Arsenic	3.8	0.68	0.075	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	62	1.4	0.082	mg/kg dry	1	"	"	"	"	
Cadmium	<0.34	0.34	0.045	mg/kg dry	1	"	"	"	"	
Chromium	14	0.68	0.016	mg/kg dry	1	"	"	"	"	
Lead	6.2	1.4	0.19	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.024	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.4	1.4	0.13	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.34	0.34	0.022	mg/kg dry	1	"	"	"	"	
A6-SS1_0.5-0.5 (1102981-03) Soil Sampled: 06/30/11 11:20 Received: 07/01/11 9:30										
Arsenic	4.9	0.62	0.069	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	96	1.2	0.075	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	16	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	11	1.2	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
A5-SS3_0.5-0.5 (1102981-04) Soil Sampled: 06/30/11 12:10 Received: 07/01/11 9:30										
Arsenic	7.4	0.60	0.065	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	140	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.039	mg/kg dry	1	"	"	"	"	
Chromium	18	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	11	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
RR-A5-SS2_0.5-0.5 (1102981-05) Soil Sampled: 06/30/11 12:40 Received: 07/01/11 9:30										
Arsenic	2.7	0.52	0.057	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-A5-SS2_0.5-0.5 (1102981-05) Soil Sampled: 06/30/11 12:40 Received: 07/01/11 9:30										
Barium	32	1.0	0.062	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	11	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	5.8	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.017	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
RR-A5-SS1_0.5-0.5 (1102981-06) Soil Sampled: 06/30/11 13:15 Received: 07/01/11 9:30										
Arsenic	3.3	0.52	0.057	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	50	1.0	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	0.30	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	11	0.52	0.013	mg/kg dry	1	"	"	"	"	
Lead	12	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.093	0.093	0.018	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
RR-A7-SS1_0.5-0.5 (1102981-07) Soil Sampled: 06/30/11 13:45 Received: 07/01/11 9:30										
Arsenic	2.3	0.51	0.056	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	24	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.0	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	5.1	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
FB-1 (1102981-08) Water Sampled: 06/30/11 00:00 Received: 07/01/11 9:30										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G0629	07/06/11	07/07/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
M-1 (1102981-09) Soil Sampled: 06/30/11 00:00 Received: 07/01/11 9:30										
Arsenic	2.9	0.54	0.060	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Barium	41	1.1	0.065	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102981-09) Soil Sampled: 06/30/11 00:00 Received: 07/01/11 9:30										
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Chromium	9.0	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	3.7	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G0715	07/07/11	07/14/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A7-SS1_0.5-0.5 (1102981-01) Soil Sampled: 06/30/11 09:50 Received: 07/01/11 9:30										
% Solids	81			%	1	B1G0812	07/08/11	07/11/11	% calculation	
A6-SS2_0.5-0.5 (1102981-02) Soil Sampled: 06/30/11 10:50 Received: 07/01/11 9:30										
% Solids	73			%	1	B1G0812	07/08/11	07/11/11	% calculation	
A6-SS1_0.5-0.5 (1102981-03) Soil Sampled: 06/30/11 11:20 Received: 07/01/11 9:30										
% Solids	80			%	1	B1G0812	07/08/11	07/11/11	% calculation	
A5-SS3_0.5-0.5 (1102981-04) Soil Sampled: 06/30/11 12:10 Received: 07/01/11 9:30										
% Solids	84			%	1	B1G0812	07/08/11	07/11/11	% calculation	
RR-A5-SS2_0.5-0.5 (1102981-05) Soil Sampled: 06/30/11 12:40 Received: 07/01/11 9:30										
% Solids	97			%	1	B1G0812	07/08/11	07/11/11	% calculation	
RR-A5-SS1_0.5-0.5 (1102981-06) Soil Sampled: 06/30/11 13:15 Received: 07/01/11 9:30										
% Solids	90			%	1	B1G0812	07/08/11	07/11/11	% calculation	
RR-A7-SS1_0.5-0.5 (1102981-07) Soil Sampled: 06/30/11 13:45 Received: 07/01/11 9:30										
% Solids	98			%	1	B1G0812	07/08/11	07/11/11	% calculation	
M-1 (1102981-09) Soil Sampled: 06/30/11 00:00 Received: 07/01/11 9:30										
% Solids	92			%	1	B1G0812	07/08/11	07/11/11	% calculation	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102981
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A7-SS1_0.5-0.5 (1102981-01) Soil Sampled: 06/30/11 09:50 Received: 07/01/11 9:30										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A7-SS1_0.5-0.5 (1102981-01) Soil Sampled: 06/30/11 09:50 Received: 07/01/11 9:30										
Benzo(k)fluoranthene	<0.059	0.41	0.059	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	107			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	81.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	79.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	83.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	88.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	80.2			51-99.6 %		"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102981
Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A6-SS2_0.5-0.5 (1102981-02) Soil Sampled: 06/30/11 10:50 Received: 07/01/11 9:30										
1,2,4-Trichlorobenzene	<0.042	0.45	0.042	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.042	0.45	0.042	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.040	0.45	0.040	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.11	0.92	0.11	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.051	0.92	0.051	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.11	0.92	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.10	0.92	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.92	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.044	0.92	0.044	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.048	0.45	0.048	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.095	0.92	0.095	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.053	0.45	0.053	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.047	0.45	0.047	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.082	0.92	0.082	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.047	0.92	0.047	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.052	0.45	0.052	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.12	0.92	0.12	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.044	0.92	0.044	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.21	2.2	0.21	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.037	0.45	0.037	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.047	0.92	0.047	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.090	0.92	0.090	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.037	0.92	0.037	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.047	0.45	0.047	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.13	0.92	0.13	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.052	0.45	0.052	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.056	0.45	0.056	mg/kg dry	1	"	"	"	"	
Aniline	<0.042	0.92	0.042	mg/kg dry	1	"	"	"	"	
Anthracene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
Benzidine	<0.26	3.4	0.26	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.056	0.45	0.056	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.058	0.45	0.058	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.059	0.45	0.059	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.059	0.45	0.059	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A6-SS2_0.5-0.5 (1102981-02) Soil Sampled: 06/30/11 10:50 Received: 07/01/11 9:30										
Benzo(k)fluoranthene	<0.066	0.45	0.066	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
Benzoic acid	<0.033	0.45	0.033	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.13	0.92	0.13	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.047	0.45	0.047	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.048	0.45	0.048	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.047	0.45	0.047	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.066	0.45	0.066	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.058	0.45	0.058	mg/kg dry	1	"	"	"	"	
Carbazole	<0.048	0.45	0.048	mg/kg dry	1	"	"	"	"	
Chrysene	<0.060	0.45	0.060	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.059	0.45	0.059	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.042	0.45	0.042	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.041	0.45	0.041	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.060	0.45	0.060	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.066	0.45	0.066	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.053	0.45	0.053	mg/kg dry	1	"	"	"	"	
Fluorene	<0.048	0.45	0.048	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.041	0.45	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.033	0.45	0.033	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.041	0.45	0.041	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.055	0.45	0.055	mg/kg dry	1	"	"	"	"	
Isophorone	<0.042	0.45	0.042	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.030	0.45	0.030	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.036	0.45	0.036	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.11	0.92	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.049	0.45	0.049	mg/kg dry	1	"	"	"	"	
Phenol	<0.095	0.92	0.095	mg/kg dry	1	"	"	"	"	
Pyrene	<0.056	0.45	0.056	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	108			53-107 %		"	"	"	"	S-GC
Surrogate: 2-Fluorobiphenyl	76.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	77.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	84.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	78.3			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102981
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A6-SS1_0.5-0.5 (1102981-03) Soil Sampled: 06/30/11 11:20 Received: 07/01/11 9:30										
1,2,4-Trichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.84	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.094	0.84	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.075	0.84	0.075	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.84	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.082	0.84	0.082	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.84	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.84	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.1	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A6-SS1_0.5-0.5 (1102981-03) Soil Sampled: 06/30/11 11:20 Received: 07/01/11 9:30										
Benzo(k)fluoranthene	<0.060	0.41	0.060	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.050	0.41	0.050	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Phenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	94.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	80.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	82.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	73.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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A5-SS3_0.5-0.5 (1102981-04) Soil Sampled: 06/30/11 12:10 Received: 07/01/11 9:30

1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A5-SS3_0.5-0.5 (1102981-04) Soil Sampled: 06/30/11 12:10 Received: 07/01/11 9:30										
Benzo(k)fluoranthene	<0.057	0.39	0.057	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	104			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	74.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	82.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	75.7			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102981
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-A5-SS2_0.5-0.5 (1102981-05) Soil Sampled: 06/30/11 12:40 Received: 07/01/11 9:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-A5-SS2_0.5-0.5 (1102981-05) Soil Sampled: 06/30/11 12:40 Received: 07/01/11 9:30										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	63.9			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102981
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-A5-SS1_0.5-0.5 (1102981-06) Soil Sampled: 06/30/11 13:15 Received: 07/01/11 9:30										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-A5-SS1_0.5-0.5 (1102981-06) Soil Sampled: 06/30/11 13:15 Received: 07/01/11 9:30										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	103			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	77.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	80.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-A7-SS1_0.5-0.5 (1102981-07) Soil Sampled: 06/30/11 13:45 Received: 07/01/11 9:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-A7-SS1_0.5-0.5 (1102981-07) Soil Sampled: 06/30/11 13:45 Received: 07/01/11 9:30										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-1 (1102981-08) Water Sampled: 06/30/11 00:00 Received: 07/01/11 9:30

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G0504	07/05/11	07/05/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1102981-08) Water Sampled: 06/30/11 00:00 Received: 07/01/11 9:30										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G0504	07/05/11	07/05/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	0.85	9.3	0.28	ug/L	1	"	"	"	"	J
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	92.3			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	86.3			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	75.9			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	87.1			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	67.2			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	103			30-116 %		"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102981
Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102981-09) Soil Sampled: 06/30/11 00:00 Received: 07/01/11 9:30										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102981-09) Soil Sampled: 06/30/11 00:00 Received: 07/01/11 9:30										
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	B1G1304	07/13/11	07/13/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	102			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	75.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	78.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	83.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0602 - EPA 200.7/3005A Digestion

Blank (B1G0602-BLK1)

Prepared & Analyzed: 07/06/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1G0602-BS1)

Prepared & Analyzed: 07/06/11

Arsenic	0.419	0.010	0.0011	mg/L	0.399		105	80-120			
Barium	0.412	0.020	0.0012	mg/L	0.399		103	80-120			
Cadmium	0.419	0.0010	0.00013	mg/L	0.399		105	80-120			
Chromium	0.426	0.010	0.00024	mg/L	0.399		107	80-120			
Lead	0.423	0.0030	0.00042	mg/L	0.399		106	80-120			
Selenium	0.413	0.020	0.0019	mg/L	0.399		104	80-120			
Silver	0.0437	0.0050	0.00031	mg/L	0.0399		109	80-120			

LCS Dup (B1G0602-BSD1)

Prepared & Analyzed: 07/06/11

Arsenic	0.411	0.010	0.0011	mg/L	0.399		103	80-120	1.83	20	
Barium	0.415	0.020	0.0012	mg/L	0.399		104	80-120	0.714	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399		103	80-120	1.38	20	
Chromium	0.419	0.010	0.00024	mg/L	0.399		105	80-120	1.65	20	
Lead	0.415	0.0030	0.00042	mg/L	0.399		104	80-120	1.84	20	
Selenium	0.408	0.020	0.0019	mg/L	0.399		102	80-120	1.16	20	
Silver	0.0425	0.0050	0.00031	mg/L	0.0399		107	80-120	2.70	20	

Matrix Spike (B1G0602-MS1)

Source: 1102988-04

Prepared & Analyzed: 07/06/11

Arsenic	0.417	0.010	0.0011	mg/L	0.399	<0.010	104	75-125			
Barium	0.416	0.020	0.0012	mg/L	0.399	<0.020	104	75-125			
Cadmium	0.415	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125			
Chromium	0.423	0.010	0.00024	mg/L	0.399	<0.010	106	75-125			
Lead	0.418	0.0030	0.00042	mg/L	0.399	<0.0030	105	75-125			
Selenium	0.409	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0429	0.0050	0.00031	mg/L	0.0399	<0.0050	107	75-125			

Matrix Spike Dup (B1G0602-MSD1)

Source: 1102988-04

Prepared & Analyzed: 07/06/11

Arsenic	0.413	0.010	0.0011	mg/L	0.399	<0.010	104	75-125	0.809	20	
Barium	0.414	0.020	0.0012	mg/L	0.399	<0.020	104	75-125	0.447	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125	0.273	20	
Chromium	0.421	0.010	0.00024	mg/L	0.399	<0.010	105	75-125	0.595	20	
Lead	0.416	0.0030	0.00042	mg/L	0.399	<0.0030	104	75-125	0.517	20	
Selenium	0.407	0.020	0.0019	mg/L	0.399	<0.020	101	75-125	0.541	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0602 - EPA 200.7/3005A Digestion

Matrix Spike Dup (B1G0602-MSD1) Source: 1102988-04 Prepared & Analyzed: 07/06/11

Silver	0.0424	0.0050	0.00031	mg/L	0.0399	<0.0050	105	75-125	1.15	20	
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Batch B1G0629 - EPA 245.1/7470A Digestion

Blank (B1G0629-BLK1) Prepared: 07/06/11 Analyzed: 07/07/11

Mercury	< 0.00020	0.00020	0.000037	mg/L							
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LCS (B1G0629-BS1)

Prepared: 07/06/11 Analyzed: 07/07/11

Mercury	0.00201	0.00020	0.000037	mg/L	0.00200		100	80-120			
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LCS Dup (B1G0629-BSD1)

Prepared: 07/06/11 Analyzed: 07/07/11

Mercury	0.00176	0.00020	0.000037	mg/L	0.00200		88.0	80-120	13.3	20	
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Matrix Spike (B1G0629-MS1)

Source: 1102809-01 Prepared: 07/06/11 Analyzed: 07/07/11

Mercury	0.00217	0.00020	0.000037	mg/L	0.00200	0.000548	81.1	75-125			
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Matrix Spike Dup (B1G0629-MSD1)

Source: 1102809-01 Prepared: 07/06/11 Analyzed: 07/07/11

Mercury	0.00226	0.00020	0.000037	mg/L	0.00200	0.000548	85.6	75-125	4.06	20	
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Batch B1G0715 - EPA 3050B

Blank (B1G0715-BLK1)

Prepared: 07/07/11 Analyzed: 07/14/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G0715-BS1)

Prepared: 07/07/11 Analyzed: 07/14/11

Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	41.1	1.0	0.060	mg/kg wet	39.9		103	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.8	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	42.0	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	40.5	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.12	0.25	0.016	mg/kg wet	3.99		103	80-120			

LCS Dup (B1G0715-BSD1)

Prepared: 07/07/11 Analyzed: 07/14/11

Arsenic	41.4	0.50	0.055	mg/kg wet	39.9		104	80-120	0.926	20	
Barium	41.2	1.0	0.060	mg/kg wet	39.9		103	80-120	0.236	20	
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120	0.0133	20	
Chromium	42.0	0.50	0.012	mg/kg wet	39.9		105	80-120	0.318	20	
Lead	42.1	1.0	0.14	mg/kg wet	39.9		106	80-120	0.215	20	
Selenium	41.0	1.0	0.095	mg/kg wet	39.9		103	80-120	1.06	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0715 - EPA 3050B											
LCS Dup (B1G0715-BSD1) Prepared: 07/07/11 Analyzed: 07/14/11											
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120	1.40	20	
Matrix Spike (B1G0715-MS1) Source: 1102964-02 Prepared: 07/07/11 Analyzed: 07/14/11											
Arsenic	40.9	0.51	0.056	mg/kg dry	39.1	1.64	100	75-125			
Barium	54.7	1.0	0.061	mg/kg dry	39.1	17.2	96.0	75-125			
Cadmium	39.5	0.26	0.034	mg/kg dry	39.1	<0.26	101	75-125			
Chromium	47.1	0.51	0.012	mg/kg dry	39.1	8.14	99.5	75-125			
Lead	43.6	1.0	0.14	mg/kg dry	39.1	5.96	96.2	75-125			
Selenium	38.1	1.0	0.097	mg/kg dry	39.1	<1.0	96.9	75-125			
Silver	3.85	0.26	0.016	mg/kg dry	3.91	<0.26	98.4	75-125			
Matrix Spike Dup (B1G0715-MSD1) Source: 1102964-02 Prepared: 07/07/11 Analyzed: 07/14/11											
Arsenic	40.8	0.48	0.053	mg/kg dry	38.6	1.64	102	75-125	0.124	20	
Barium	55.7	0.97	0.058	mg/kg dry	38.6	17.2	99.8	75-125	1.69	20	
Cadmium	40.0	0.24	0.032	mg/kg dry	38.6	<0.24	103	75-125	1.25	20	
Chromium	48.3	0.48	0.012	mg/kg dry	38.6	8.14	104	75-125	2.62	20	
Lead	44.3	0.97	0.14	mg/kg dry	38.6	5.96	99.4	75-125	1.59	20	
Selenium	38.4	0.97	0.092	mg/kg dry	38.6	<0.97	99.1	75-125	0.794	20	
Silver	3.88	0.24	0.015	mg/kg dry	3.86	<0.24	101	75-125	0.801	20	
Batch B1G1213 - EPA 7471A											
Blank (B1G1213-BLK1) Prepared: 07/12/11 Analyzed: 07/13/11											
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G1213-BS1) Prepared: 07/12/11 Analyzed: 07/13/11											
Mercury	0.191	0.10	0.019	mg/kg wet	0.200		95.5	80-120			
LCS Dup (B1G1213-BSD1) Prepared: 07/12/11 Analyzed: 07/13/11											
Mercury	0.202	0.10	0.019	mg/kg wet	0.200		101	80-120	5.60	20	
Matrix Spike (B1G1213-MS1) Source: 1102981-01 Prepared: 07/12/11 Analyzed: 07/13/11											
Mercury	0.272	0.12	0.022	mg/kg dry	0.233	<0.12	108	75-125			
Matrix Spike Dup (B1G1213-MSD1) Source: 1102981-01 Prepared: 07/12/11 Analyzed: 07/13/11											
Mercury	0.261	0.11	0.021	mg/kg dry	0.226	<0.11	106	75-125	4.15	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0812 - General Preparation											
Duplicate (B1G0812-DUP1)							Source: 1102967-03				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	80.0			%		81.0			1.24	20	
Duplicate (B1G0812-DUP2)							Source: 1102981-03				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	81.0			%		80.0			1.24	20	
Duplicate (B1G0812-DUP3)							Source: 1102983-01				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	84.0			%		84.0			0.00	20	
Duplicate (B1G0812-DUP4)							Source: 1102983-02				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	82.0			%		83.0			1.21	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0504 - EPA 3510C (Sep Funnel)

Blank (B1G0504-BLK1)

Prepared & Analyzed: 07/05/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0504 - EPA 3510C (Sep Funnel)

Blank (B1G0504-BLK1)

Prepared & Analyzed: 07/05/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	86.3			ug/L	100		86.3	30-122			
Surrogate: 2-Fluorobiphenyl	82.9			ug/L	100		82.9	39.2-104			
Surrogate: 2-Fluorophenol	73.8			ug/L	100		73.8	30-80.1			
Surrogate: Nitrobenzene-d5	83.5			ug/L	100		83.5	51.2-103			
Surrogate: Phenol-d6	64.2			ug/L	100		64.2	30-75.3			
Surrogate: Terphenyl-d14	98.4			ug/L	100		98.4	30-116			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1102981
 Date Reported: 07/18/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0504 - EPA 3510C (Sep Funnel)

LCS (B1G0504-BS1)

Prepared: 07/05/11 Analyzed: 07/06/11

1,2,4-Trichlorobenzene	61.1	10	0.30	ug/L	100		61.1	47.4-88.7			
1,4-Dichlorobenzene	60.0	10	0.29	ug/L	100		60.0	39.5-81			
2,4-Dinitrotoluene	91.7	10	0.45	ug/L	100		91.7	67.2-99.3			
2-Chlorophenol	80.8	10	0.39	ug/L	100		80.8	56.5-85.9			
4-Chloro-3-methylphenol	92.1	10	0.48	ug/L	100		92.1	62.1-98.2			
4-Nitrophenol	93.2	10	0.78	ug/L	100		93.2	40.5-98.5			
Anthracene	90.6	10	0.56	ug/L	100		90.6	70.6-95.3			
Benzo(a)anthracene	89.2	10	0.50	ug/L	100		89.2	73.7-96.6			
Benzo(a)pyrene	88.5	10	0.41	ug/L	100		88.5	70.9-92.6			
Chrysene	91.7	10	0.61	ug/L	100		91.7	71.8-97.5			
Fluoranthene	94.3	10	0.61	ug/L	100		94.3	73.6-96.8			
Fluorene	84.2	10	0.52	ug/L	100		84.2	69.3-93.3			
N-Nitrosodi-n-propylamine	79.9	10	0.25	ug/L	100		79.9	65.9-89.3			
Pentachlorophenol	91.2	10	0.90	ug/L	100		91.2	55-107			
Phenanthrene	90.9	10	0.35	ug/L	100		90.9	72.5-97.6			
Phenol	66.2	10	0.41	ug/L	100		66.2	34.1-71.6			
Surrogate: 2,4,6-Tribromophenol	84.3			ug/L	100		84.3	30-122			
Surrogate: 2-Fluorobiphenyl	77.9			ug/L	100		77.9	39.2-104			
Surrogate: 2-Fluorophenol	69.8			ug/L	100		69.8	30-80.1			
Surrogate: Nitrobenzene-d5	79.5			ug/L	100		79.5	51.2-103			
Surrogate: Phenol-d6	63.6			ug/L	100		63.6	30-75.3			
Surrogate: Terphenyl-d14	81.5			ug/L	100		81.5	30-116			

Matrix Spike (B1G0504-MS1)

Source: 1102949-02

Prepared & Analyzed: 07/05/11

1,2,4-Trichlorobenzene	64.9	9.3	0.28	ug/L	93.5	<9.3	69.5	39.2-90.6			
1,4-Dichlorobenzene	62.3	9.3	0.27	ug/L	93.5	<9.3	66.6	34.1-81.6			
2,4-Dinitrotoluene	88.1	9.3	0.42	ug/L	93.5	<9.3	94.3	41.1-110			
2-Chlorophenol	82.7	9.3	0.36	ug/L	93.5	<9.3	88.5	30-96.4			
4-Chloro-3-methylphenol	92.1	9.3	0.45	ug/L	93.5	<9.3	98.5	30-113			
4-Nitrophenol	87.8	9.3	0.73	ug/L	93.5	<9.3	93.9	30-112			
Anthracene	92.1	9.3	0.52	ug/L	93.5	<9.3	98.6	30-119			
Benzo(a)anthracene	91.1	9.3	0.47	ug/L	93.5	<9.3	97.5	30-122			
Benzo(a)pyrene	89.7	9.3	0.38	ug/L	93.5	<9.3	95.9	30-118			
Chrysene	93.3	9.3	0.57	ug/L	93.5	<9.3	99.8	30-125			
Fluoranthene	93.7	9.3	0.57	ug/L	93.5	<9.3	100	31.6-119			
Fluorene	84.8	9.3	0.49	ug/L	93.5	<9.3	90.7	40.8-107			
N-Nitrosodi-n-propylamine	79.9	9.3	0.23	ug/L	93.5	<9.3	85.4	47.2-94.8			
Pentachlorophenol	95.9	9.3	0.84	ug/L	93.5	<9.3	103	30-130			
Phenanthrene	92.1	9.3	0.33	ug/L	93.5	<9.3	98.5	38.2-117			
Phenol	64.2	9.3	0.38	ug/L	93.5	<9.3	68.7	30-80			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0504 - EPA 3510C (Sep Funnel)

Matrix Spike (B1G0504-MS1)

Source: 1102949-02

Prepared & Analyzed: 07/05/11

Surrogate: 2,4,6-Tribromophenol	90.3			ug/L	93.5		96.6	30-122			
Surrogate: 2-Fluorobiphenyl	81.8			ug/L	93.5		87.5	39.2-104			
Surrogate: 2-Fluorophenol	71.1			ug/L	93.5		76.1	30-80.1			
Surrogate: Nitrobenzene-d5	80.5			ug/L	93.5		86.1	51.2-103			
Surrogate: Phenol-d6	62.2			ug/L	93.5		66.5	30-75.3			
Surrogate: Terphenyl-d14	85.8			ug/L	93.5		91.8	30-116			

Matrix Spike Dup (B1G0504-MSD1)

Source: 1102949-02

Prepared & Analyzed: 07/05/11

1,2,4-Trichlorobenzene	62.0	9.3	0.28	ug/L	92.6	<9.3	66.9	39.2-90.6	4.68	23.6	
1,4-Dichlorobenzene	57.7	9.3	0.27	ug/L	92.6	<9.3	62.3	34.1-81.6	7.62	22.4	
2,4-Dinitrotoluene	86.7	9.3	0.42	ug/L	92.6	<9.3	93.6	41.1-110	1.66	17.2	
2-Chlorophenol	80.7	9.3	0.36	ug/L	92.6	<9.3	87.1	30-96.4	2.45	23.7	
4-Chloro-3-methylphenol	90.9	9.3	0.44	ug/L	92.6	<9.3	98.1	30-113	1.31	24.1	
4-Nitrophenol	86.4	9.3	0.72	ug/L	92.6	<9.3	93.3	30-112	1.61	34.3	
Anthracene	90.4	9.3	0.52	ug/L	92.6	<9.3	97.6	30-119	1.89	24.5	
Benzo(a)anthracene	89.7	9.3	0.46	ug/L	92.6	<9.3	96.8	30-122	1.58	27.8	
Benzo(a)pyrene	88.9	9.3	0.38	ug/L	92.6	<9.3	96.0	30-118	0.873	27.1	
Chrysene	91.1	9.3	0.56	ug/L	92.6	<9.3	98.4	30-125	2.40	28	
Fluoranthene	91.1	9.3	0.56	ug/L	92.6	<9.3	98.4	31.6-119	2.79	25.9	
Fluorene	83.1	9.3	0.48	ug/L	92.6	<9.3	89.8	40.8-107	1.97	20.6	
N-Nitrosodi-n-propylamine	78.7	9.3	0.23	ug/L	92.6	<9.3	85.0	47.2-94.8	1.42	15.8	
Pentachlorophenol	93.1	9.3	0.83	ug/L	92.6	<9.3	101	30-130	2.96	25.5	
Phenanthrene	90.3	9.3	0.32	ug/L	92.6	<9.3	97.5	38.2-117	1.98	19.3	
Phenol	63.9	9.3	0.38	ug/L	92.6	<9.3	69.1	30-80	0.441	31.9	
Surrogate: 2,4,6-Tribromophenol	89.0			ug/L	92.6		96.1	30-122			
Surrogate: 2-Fluorobiphenyl	79.7			ug/L	92.6		86.0	39.2-104			
Surrogate: 2-Fluorophenol	70.3			ug/L	92.6		75.9	30-80.1			
Surrogate: Nitrobenzene-d5	80.1			ug/L	92.6		86.5	51.2-103			
Surrogate: Phenol-d6	61.8			ug/L	92.6		66.8	30-75.3			
Surrogate: Terphenyl-d14	84.2			ug/L	92.6		91.0	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1304 - EPA 3545 ASE Extraction

Blank (B1G1304-BLK1)

Prepared: 07/13/11 Analyzed: 07/14/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1304 - EPA 3545 ASE Extraction

Blank (B1G1304-BLK1)

Prepared: 07/13/11 Analyzed: 07/14/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.84			mg/kg wet	6.67		72.5	53-107			
Surrogate: 2-Fluorobiphenyl	3.77			mg/kg wet	6.67		56.5	53.9-97.9			
Surrogate: 2-Fluorophenol	3.77			mg/kg wet	6.67		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.99			mg/kg wet	6.67		59.8	48.9-100			
Surrogate: Phenol-d6	4.15			mg/kg wet	6.67		62.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.07			mg/kg wet	6.67		61.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1304 - EPA 3545 ASE Extraction

LCS (B1G1304-BS1)

Prepared & Analyzed: 07/13/11

1,2,4-Trichlorobenzene	4.13	0.33	0.031	mg/kg wet	6.67		62.0	59.1-87.7			
1,4-Dichlorobenzene	3.80	0.33	0.029	mg/kg wet	6.67		57.0	50.3-72.9			
2,4-Dinitrotoluene	4.36	0.33	0.035	mg/kg wet	6.67		65.5	59.8-82.2			
2-Chlorophenol	4.67	0.67	0.060	mg/kg wet	6.67		70.0	59.7-77.3			
4-Chloro-3-methylphenol	4.86	0.67	0.066	mg/kg wet	6.67		72.9	63.6-80.4			
4-Nitrophenol	4.90	0.67	0.093	mg/kg wet	6.67		73.5	57.3-84.9			
Anthracene	4.69	0.33	0.036	mg/kg wet	6.67		70.3	67.3-88			
Benzo(a)anthracene	4.93	0.33	0.041	mg/kg wet	6.67		73.9	66.5-90.5			
Benzo(a)pyrene	4.90	0.33	0.042	mg/kg wet	6.67		73.5	66.1-89.7			
Chrysene	4.97	0.33	0.044	mg/kg wet	6.67		74.6	65.5-90.5			
Fluoranthene	4.85	0.33	0.039	mg/kg wet	6.67		72.7	66.7-89.9			
Fluorene	4.44	0.33	0.035	mg/kg wet	6.67		66.5	66.2-85.6			
N-Nitrosodi-n-propylamine	4.38	0.33	0.033	mg/kg wet	6.67		65.7	59.4-78			
Pentachlorophenol	4.98	0.67	0.078	mg/kg wet	6.67		74.6	46.7-83.2			
Phenanthrene	4.81	0.33	0.036	mg/kg wet	6.67		72.1	67.5-87.9			
Phenol	4.18	0.67	0.069	mg/kg wet	6.67		62.7	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.85			mg/kg wet	6.67		72.7	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	3.95			mg/kg wet	6.67		59.3	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.01			mg/kg wet	6.67		60.2	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.18			mg/kg wet	6.67		62.7	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.51			mg/kg wet	6.67		67.6	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.22			mg/kg wet	6.67		63.3	51-99.6			

Matrix Spike (B1G1304-MS1)

Source: 1102981-02

Prepared: 07/13/11 Analyzed: 07/14/11

1,2,4-Trichlorobenzene	5.27	0.45	0.042	mg/kg dry	9.18	<0.45	57.4	44.8-97.9			
1,4-Dichlorobenzene	5.05	0.45	0.040	mg/kg dry	9.18	<0.45	55.0	42.3-77.9			
2,4-Dinitrotoluene	7.43	0.45	0.048	mg/kg dry	9.18	<0.45	81.0	57.3-86.6			
2-Chlorophenol	5.56	0.92	0.082	mg/kg dry	9.18	<0.92	60.6	43.3-93.2			
4-Chloro-3-methylphenol	6.89	0.92	0.090	mg/kg dry	9.18	<0.92	75.1	47.1-97.6			
4-Nitrophenol	7.61	0.92	0.13	mg/kg dry	9.18	<0.92	83.0	49.3-96.2			
Anthracene	8.22	0.45	0.049	mg/kg dry	9.18	<0.45	89.6	67.5-93.1			
Benzo(a)anthracene	8.09	0.45	0.056	mg/kg dry	9.18	<0.45	88.2	59.8-95.7			
Benzo(a)pyrene	8.29	0.45	0.058	mg/kg dry	9.18	<0.45	90.3	59.8-92.7			
Chrysene	8.08	0.45	0.060	mg/kg dry	9.18	<0.45	88.1	62.5-94.6			
Fluoranthene	8.34	0.45	0.053	mg/kg dry	9.18	<0.45	90.9	61.3-92.8			
Fluorene	7.59	0.45	0.048	mg/kg dry	9.18	<0.45	82.8	62.8-92.6			
N-Nitrosodi-n-propylamine	5.80	0.45	0.045	mg/kg dry	9.18	<0.45	63.3	46.9-89.9			
Pentachlorophenol	6.56	0.92	0.11	mg/kg dry	9.18	<0.92	71.5	40.1-95.1			
Phenanthrene	8.14	0.45	0.049	mg/kg dry	9.18	<0.45	88.7	65.2-92.2			
Phenol	5.81	0.92	0.095	mg/kg dry	9.18	<0.92	63.3	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1304 - EPA 3545 ASE Extraction

Matrix Spike (B1G1304-MS1)

Source: 1102981-02

Prepared: 07/13/11 Analyzed: 07/14/11

Surrogate: 2,4,6-Tribromophenol	7.65			mg/kg dry	9.18		83.4	53-107			
Surrogate: 2-Fluorobiphenyl	6.33			mg/kg dry	9.18		69.0	53.9-97.9			
Surrogate: 2-Fluorophenol	5.61			mg/kg dry	9.18		61.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.65			mg/kg dry	9.18		61.6	48.9-100			
Surrogate: Phenol-d6	6.02			mg/kg dry	9.18		65.7	50.4-99.6			
Surrogate: Terphenyl-d14	7.18			mg/kg dry	9.18		78.2	51-99.6			

Matrix Spike Dup (B1G1304-MSD1)

Source: 1102981-02

Prepared: 07/13/11 Analyzed: 07/14/11

1,2,4-Trichlorobenzene	5.18	0.45	0.042	mg/kg dry	9.16	<0.45	56.5	44.8-97.9	1.70	19.6	
1,4-Dichlorobenzene	4.94	0.45	0.040	mg/kg dry	9.16	<0.45	54.0	42.3-77.9	2.08	22.4	
2,4-Dinitrotoluene	7.46	0.45	0.048	mg/kg dry	9.16	<0.45	81.5	57.3-86.6	0.421	19.5	
2-Chlorophenol	5.48	0.92	0.082	mg/kg dry	9.16	<0.92	59.9	43.3-93.2	1.37	23.7	
4-Chloro-3-methylphenol	6.96	0.92	0.090	mg/kg dry	9.16	<0.92	76.0	47.1-97.6	1.02	18.3	
4-Nitrophenol	7.63	0.92	0.13	mg/kg dry	9.16	<0.92	83.4	49.3-96.2	0.251	20.4	
Anthracene	8.17	0.45	0.049	mg/kg dry	9.16	<0.45	89.2	67.5-93.1	0.607	19.9	
Benzo(a)anthracene	8.09	0.45	0.056	mg/kg dry	9.16	<0.45	88.4	59.8-95.7	0.0153	23.4	
Benzo(a)pyrene	8.26	0.45	0.058	mg/kg dry	9.16	<0.45	90.2	59.8-92.7	0.337	21.1	
Chrysene	8.13	0.45	0.060	mg/kg dry	9.16	<0.45	88.8	62.5-94.6	0.628	24.8	
Fluoranthene	8.32	0.45	0.053	mg/kg dry	9.16	<0.45	90.9	61.3-92.8	0.260	21.8	
Fluorene	7.58	0.45	0.048	mg/kg dry	9.16	<0.45	82.8	62.8-92.6	0.125	17.6	
N-Nitrosodi-n-propylamine	5.75	0.45	0.045	mg/kg dry	9.16	<0.45	62.8	46.9-89.9	0.870	18.9	
Pentachlorophenol	6.63	0.92	0.11	mg/kg dry	9.16	<0.92	72.4	40.1-95.1	1.01	19.7	
Phenanthrene	8.15	0.45	0.049	mg/kg dry	9.16	<0.45	89.0	65.2-92.2	0.121	20.5	
Phenol	5.76	0.92	0.095	mg/kg dry	9.16	<0.92	62.9	44.7-91	0.868	17.9	
Surrogate: 2,4,6-Tribromophenol	7.55			mg/kg dry	9.16		82.5	53-107			
Surrogate: 2-Fluorobiphenyl	6.15			mg/kg dry	9.16		67.1	53.9-97.9			
Surrogate: 2-Fluorophenol	5.45			mg/kg dry	9.16		59.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.50			mg/kg dry	9.16		60.0	48.9-100			
Surrogate: Phenol-d6	5.88			mg/kg dry	9.16		64.2	50.4-99.6			
Surrogate: Terphenyl-d14	7.14			mg/kg dry	9.16		78.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102981 Date Reported: 07/18/11
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Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

J Parameter was present between the MDL and RL and should be considered an estimated value

< Less than value listed

dry Sample results reported on a dry weight basis

NA Not applicable. The %RPD is not calculated from values less than the reporting limit.

MDL Method Detection Limit

RL Reporting Limit

RPD Relative Percent Difference

LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)

MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 23/19-1092 48RE 510
Project Name: Dune RE - Gow North
Sample Origination State: MN (use two letter postal state abbreviation)
COC Number: 7/11/18 NO 33080

Project Manager: JME
Project QC Contact: AAN
Sampled by: ADJ
Laboratory: Legend

Location	Start Depth	Step Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Ice	Date	Time	Received by:	Date	Time
						Soil	Water						
1. A7-51	0.5	0.5	FT	6/30/2011	9:50	X	X	X	7/11/18	09:40	Received by: [Signature]	7/11/18	9:30
2. A6-55L	0.5	0.5			10:50	X	X	X					
3. A6-551	0.5	0.5			11:20	X	X	X					
4. A5-553	0.5	0.5			12:10	X	X	X					
5. RL-A5-55L	0.5	0.5			12:40	X	X	X					
6. RL-A5-551	0.5	0.5			15:15	X	X	X					
7. RL-A7-551	0.5	0.5			13:45	X	X	X					
8. FB-1	--	--			--	X	X	X					
9. MH-1	--	--			--	X	X	X					
10.													

Number of Containers/Preservative

Water	Soil
VOCA (unpreserved) #1	VOCA (unpreserved) #1
Dissolved Metals (HNO3)	DRO, BTEX (rated MeOH) #1
Total Metals (HNO3)	Metals (unpreserved) #2
General (unpreserved) #3	SVOCs (unpreserved) #2
Diesel Range Organics (HCl)	% Solids (plastic vial, unpres.)
Nutrients (H2SO4) #4	

Received by: [Signature]
Date: 7/11/18
Time: 9:30

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, D500 Fuel Lar
- #2 - Semi-volatile Organics = PAHs, PCP, Dromas, A270 Fuel Lar, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfide
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TEV

Distribution: White-Original Accompanies Shipper to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102982
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 07/01/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Bach Pham".

Bach Pham
Report Reviewer
bpham@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102982 Date Reported: 07/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
707A-SS1_0.5-0.5	1102982-01	Soil	06/30/11 07:40	07/01/11 09:30
707A-SS2_0.5-0.5	1102982-02	Soil	06/30/11 07:50	07/01/11 09:30
707A-SS3_0.5-0.5	1102982-03	Soil	06/30/11 08:00	07/01/11 09:30
D7-SS1_0.5-0.5	1102982-04	Soil	06/30/11 09:00	07/01/11 09:30

Shipping Container Information

Default Cooler Temperature (°C): 5.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102982 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707A-SS1_0.5-0.5 (1102982-01) Soil Sampled: 06/30/11 07:40 Received: 07/01/11 9:30										
Arsenic	3.5	0.56	0.062	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Barium	52	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	10	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	9.8	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
707A-SS2_0.5-0.5 (1102982-02) Soil Sampled: 06/30/11 07:50 Received: 07/01/11 9:30										
Arsenic	5.8	0.51	0.056	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Barium	77	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	0.28	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	14	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	27	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	0.38	0.092	0.017	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
707A-SS3_0.5-0.5 (1102982-03) Soil Sampled: 06/30/11 08:00 Received: 07/01/11 9:30										
Arsenic	3.8	0.57	0.062	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Barium	57	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	9.2	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
D7-SS1_0.5-0.5 (1102982-04) Soil Sampled: 06/30/11 09:00 Received: 07/01/11 9:30										
Arsenic	3.7	0.56	0.061	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Barium	53	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	9.9	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.2	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102982 Date Reported: 07/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707A-SS1_0.5-0.5 (1102982-01) Soil Sampled: 06/30/11 07:40 Received: 07/01/11 9:30										
% Solids	89			%	1	B1G0812	07/08/11	07/11/11	% calculation	
707A-SS2_0.5-0.5 (1102982-02) Soil Sampled: 06/30/11 07:50 Received: 07/01/11 9:30										
% Solids	99			%	1	B1G0812	07/08/11	07/11/11	% calculation	
707A-SS3_0.5-0.5 (1102982-03) Soil Sampled: 06/30/11 08:00 Received: 07/01/11 9:30										
% Solids	88			%	1	B1G0812	07/08/11	07/11/11	% calculation	
D7-SS1_0.5-0.5 (1102982-04) Soil Sampled: 06/30/11 09:00 Received: 07/01/11 9:30										
% Solids	90			%	1	B1G0812	07/08/11	07/11/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102982 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1213 - EPA 7471A											
Blank (B1G1213-BLK1)						Prepared: 07/12/11 Analyzed: 07/13/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G1213-BS1)						Prepared: 07/12/11 Analyzed: 07/13/11					
Mercury	0.191	0.10	0.019	mg/kg wet	0.200		95.5	80-120			
LCS Dup (B1G1213-BSD1)						Prepared: 07/12/11 Analyzed: 07/13/11					
Mercury	0.202	0.10	0.019	mg/kg wet	0.200		101	80-120	5.60	20	
Matrix Spike (B1G1213-MS1)						Source: 1102981-01 Prepared: 07/12/11 Analyzed: 07/13/11					
Mercury	0.272	0.12	0.022	mg/kg dry	0.233	<0.12	108	75-125			
Matrix Spike Dup (B1G1213-MSD1)						Source: 1102981-01 Prepared: 07/12/11 Analyzed: 07/13/11					
Mercury	0.261	0.11	0.021	mg/kg dry	0.226	<0.11	106	75-125	4.15	20	
Batch B1G1216 - EPA 3050B											
Blank (B1G1216-BLK1)						Prepared: 07/12/11 Analyzed: 07/13/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G1216-BS1)						Prepared: 07/12/11 Analyzed: 07/13/11					
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	41.4	1.0	0.060	mg/kg wet	39.9		104	80-120			
Cadmium	41.4	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	42.0	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	42.4	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	41.0	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.15	0.25	0.016	mg/kg wet	3.99		104	80-120			
LCS Dup (B1G1216-BSD1)						Prepared: 07/12/11 Analyzed: 07/13/11					
Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120	1.25	20	
Barium	41.4	1.0	0.060	mg/kg wet	39.9		104	80-120	0.0105	20	
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120	0.728	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		105	80-120	0.584	20	
Lead	42.1	1.0	0.14	mg/kg wet	39.9		105	80-120	0.786	20	
Selenium	40.8	1.0	0.095	mg/kg wet	39.9		102	80-120	0.662	20	
Silver	4.14	0.25	0.016	mg/kg wet	3.99		104	80-120	0.256	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102982 Date Reported: 07/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1216 - EPA 3050B											
Matrix Spike (B1G1216-MS1)		Source: 1103058-02			Prepared: 07/12/11		Analyzed: 07/13/11				
Arsenic	46.7	0.56	0.062	mg/kg dry	43.9	5.25	94.6	75-125			
Barium	136	1.1	0.067	mg/kg dry	43.9	93.2	98.0	75-125			
Cadmium	43.0	0.28	0.037	mg/kg dry	43.9	<0.28	97.7	75-125			
Chromium	57.9	0.56	0.013	mg/kg dry	43.9	14.3	99.5	75-125			
Lead	58.2	1.1	0.16	mg/kg dry	43.9	16.0	96.2	75-125			
Selenium	40.9	1.1	0.11	mg/kg dry	43.9	<1.1	93.2	75-125			
Silver	4.15	0.28	0.018	mg/kg dry	4.39	<0.28	94.7	75-125			
Matrix Spike Dup (B1G1216-MSD1)											
Matrix Spike Dup (B1G1216-MSD1)		Source: 1103058-02			Prepared: 07/12/11		Analyzed: 07/13/11				
Arsenic	46.4	0.56	0.062	mg/kg dry	43.5	5.25	94.6	75-125	0.734	20	
Barium	138	1.1	0.067	mg/kg dry	43.5	93.2	102	75-125	1.08	20	
Cadmium	43.0	0.28	0.037	mg/kg dry	43.5	<0.28	98.6	75-125	0.125	20	
Chromium	60.8	0.56	0.013	mg/kg dry	43.5	14.3	107	75-125	4.81	20	
Lead	55.3	1.1	0.16	mg/kg dry	43.5	16.0	90.3	75-125	5.13	20	
Selenium	40.5	1.1	0.11	mg/kg dry	43.5	<1.1	93.0	75-125	0.933	20	
Silver	4.15	0.28	0.018	mg/kg dry	4.35	<0.28	95.4	75-125	0.0412	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1102982 Date Reported: 07/19/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0812 - General Preparation											
Duplicate (B1G0812-DUP1)							Source: 1102967-03				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	80.0			%		81.0			1.24	20	
Duplicate (B1G0812-DUP2)							Source: 1102981-03				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	81.0			%		80.0			1.24	20	
Duplicate (B1G0812-DUP3)							Source: 1102983-01				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	84.0			%		84.0			0.00	20	
Duplicate (B1G0812-DUP4)							Source: 1102983-02				Prepared: 07/08/11 Analyzed: 07/11/11
% Solids	82.0			%		83.0			1.21	20	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1102982
Date Reported: 07/19/11

Notes and Definitions

< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody 4700 West 77th Street Minneapolis, MN 55435-4803 (952) 832-2600		COC / of 1	
Project Number: 73/19-1092 48RT 510 1102982		Project Manager: JME	
Project Name: 1/100 RT - Low East		Project QC Contact: AN	
Sample Origin State: MN (use two letter postal state abbreviation)		Sampled by: AN	
COC Number: 3309		Laboratory: Legend	
Analyzer: RBT MMS			

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Total Number of Containers
						1	2	
1. 707A-SS1	0.5	0.5	ft	6/30/2011	7:40	X	X	2
2. 707A-SS2	0.5	0.5	ft		7:50	X	X	2
3. 707A-SS3	0.5	0.5	ft		8:00	X	X	2
4. 07-SS1	0.5	0.5	ft		9:00	X	X	2
5.								
6.								
7.								
8.								
9.								
10.								

Number of Containers/Preservative		Date	Time
Water	Soil		
VOCs (unpreserved) #1	VOCs (unpreserved) #2		
Disolved Metals (HNO ₃)	Metals (unpreserved)		
Total Metals (HNO ₃)	DRG (unpreserved)		
General (unpreserved) #3	GRO, BTEX (unpreserved) #4		
Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #5		

Requested By: <u>Just Samples</u>	Date: 11/11	Time: 09:00
Relinquished By:	Date:	Time:
Samples Shipped Via: <input type="checkbox"/> Air Freight <input type="checkbox"/> Fed Ex <input type="checkbox"/> Other:	Received By: <u>[Signature]</u>	Date: 11/11
	Time: 9:30	

Distribution: White-Original Accompanies Shipments to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 18, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1102988
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 07/01/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "Dan Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
713A-TT1_0.5-0.5	1102988-01	Soil	07/01/11 08:00	07/01/11 16:20
FB-713A-TT1-0.5	1102988-02	Water	07/01/11 08:15	07/01/11 16:20
717A-TT2_0.5-0.5	1102988-03	Soil	07/01/11 09:20	07/01/11 16:20
FB-717A-TT2-0.5	1102988-04	Water	07/01/11 09:30	07/01/11 16:20
718C-TT1_0.5-0.5	1102988-05	Soil	07/01/11 11:00	07/01/11 16:20
FB718C-TT1-0.5	1102988-06	Water	07/01/11 11:15	07/01/11 16:20
M-1	1102988-07	Soil	07/01/11 00:00	07/01/11 16:20
718A-TT1_0.5-0.5	1102988-08	Soil	07/01/11 12:00	07/01/11 16:20
M-2	1102988-09	Soil	07/01/11 00:00	07/01/11 16:20
Trip Blank-Water	1102988-10	Water	06/08/11 00:00	07/01/11 16:20
Trip Blank-Soil	1102988-11	Methanol	07/01/11 00:00	07/01/11 16:20

Shipping Container Information

Default Cooler Temperature (°C):

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: 8330 analysis.

Recoveries for 8270 matrix spike compounds 2-chlorophenol, n-nitrosodi-n-propylamine and phenol were outside of laboratory limits in the water batch B1G0804 MS/MSD. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS.

Recoveries for the 8270 surrogates 2-fluorobiphenyl in sample M-1 and terphenyl-d14 in sample M-2 were outside of laboratory limits

Recoveries for tetryl in the 8330 soil MS/MSD samples were below the laboratory control limits. The LCS sample was within limits. The MS/MSD source sample was not associated with this work order.

Recovery for tetryl in the 8330 water LCS/LCSD/MS were below laboratory limits in batch B1G1107. The corresponding LCS/LCSD %RPD was slightly above the laboratory limit. The MS source sample was FB-713A-TT1-0.5.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
713A-TT1_0.5-0.5 (1102988-01) Soil Sampled: 07/01/11 08:00 Received: 07/01/11 16:20										
Arsenic	3.5	0.53	0.059	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Barium	37	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	0.55	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	12	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.097	0.097	0.018	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
FB-713A-TT1-0.5 (1102988-02) Water Sampled: 07/01/11 08:15 Received: 07/01/11 16:20										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G0629	07/06/11	07/07/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
717A-TT2_0.5-0.5 (1102988-03) Soil Sampled: 07/01/11 09:20 Received: 07/01/11 16:20										
Arsenic	5.3	0.56	0.061	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Barium	68	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	0.39	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	16	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	38	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
FB-717A-TT2-0.5 (1102988-04) Water Sampled: 07/01/11 09:30 Received: 07/01/11 16:20										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G0629	07/06/11	07/07/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
718C-TT1_0.5-0.5 (1102988-05) Soil Sampled: 07/01/11 11:00 Received: 07/01/11 16:20										
Arsenic	5.3	0.54	0.059	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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718C-TT1_0.5-0.5 (1102988-05) Soil **Sampled: 07/01/11 11:00** **Received: 07/01/11 16:20**

Barium	98	1.1	0.065	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	13	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	19	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	

FB718C-TT1-0.5 (1102988-06) Water **Sampled: 07/01/11 11:15** **Received: 07/01/11 16:20**

Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G0629	07/06/11	07/07/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G0602	07/06/11	07/06/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

M-1 (1102988-07) Soil **Sampled: 07/01/11 00:00** **Received: 07/01/11 16:20**

Arsenic	4.7	0.56	0.061	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Barium	86	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	12	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	19	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

718A-TT1_0.5-0.5 (1102988-08) Soil **Sampled: 07/01/11 12:00** **Received: 07/01/11 16:20**

Arsenic	5.8	0.58	0.064	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Barium	210	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	15	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	10	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	

M-2 (1102988-09) Soil **Sampled: 07/01/11 00:00** **Received: 07/01/11 16:20**

Arsenic	5.6	0.56	0.062	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Barium	170	1.1	0.067	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-2 (1102988-09) Soil Sampled: 07/01/11 00:00 Received: 07/01/11 16:20										
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Chromium	16	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G1213	07/12/11	07/13/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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PERCENT SOLIDS
 Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
713A-TT1_0.5-0.5 (1102988-01) Soil Sampled: 07/01/11 08:00 Received: 07/01/11 16:20										
% Solids	94			%	1	B1G1109	07/11/11	07/12/11	% calculation	
717A-TT2_0.5-0.5 (1102988-03) Soil Sampled: 07/01/11 09:20 Received: 07/01/11 16:20										
% Solids	90			%	1	B1G1109	07/11/11	07/12/11	% calculation	
718C-TT1_0.5-0.5 (1102988-05) Soil Sampled: 07/01/11 11:00 Received: 07/01/11 16:20										
% Solids	88			%	1	B1G1109	07/11/11	07/12/11	% calculation	
M-1 (1102988-07) Soil Sampled: 07/01/11 00:00 Received: 07/01/11 16:20										
% Solids	90			%	1	B1G1109	07/11/11	07/12/11	% calculation	
718A-TT1_0.5-0.5 (1102988-08) Soil Sampled: 07/01/11 12:00 Received: 07/01/11 16:20										
% Solids	86			%	1	B1G1109	07/11/11	07/12/11	% calculation	
M-2 (1102988-09) Soil Sampled: 07/01/11 00:00 Received: 07/01/11 16:20										
% Solids	84			%	1	B1G1109	07/11/11	07/12/11	% calculation	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102988
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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713A-TT1_0.5-0.5 (1102988-01) Soil **Sampled: 07/01/11 08:00** **Received: 07/01/11 16:20**

1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.15	0.35	0.038	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.092	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.077	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.12	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.075	0.35	0.046	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
713A-TT1_0.5-0.5 (1102988-01) Soil Sampled: 07/01/11 08:00 Received: 07/01/11 16:20										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	0.40	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	0.098	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.037	0.35	0.035	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.14	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.065	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	0.096	0.35	0.035	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.13	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	0.15	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	63.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	62.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	56.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	55.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	65.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.6			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-TT2_0.5-0.5 (1102988-03) Soil Sampled: 07/01/11 09:20 Received: 07/01/11 16:20										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.075	0.37	0.040	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.42	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.64	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	2.5	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	2.2	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	3.1	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	1.2	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-TT2_0.5-0.5 (1102988-03) Soil Sampled: 07/01/11 09:20 Received: 07/01/11 16:20										
Benzo(k)fluoranthene	1.1	0.37	0.053	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	0.54	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	2.8	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.32	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.19	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	6.2	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	0.37	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	1.3	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	0.090	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	4.5	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	5.5	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	68.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	56.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	61.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	65.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-717A-TT2-0.5 (1102988-04) Water Sampled: 07/01/11 09:30 Received: 07/01/11 16:20										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G0804	07/08/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-717A-TT2-0.5 (1102988-04) Water Sampled: 07/01/11 09:30 Received: 07/01/11 16:20										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G0804	07/08/11	07/12/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	93.8			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.1			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.2			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.4			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	57.4			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.2			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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718C-TT1_0.5-0.5 (1102988-05) Soil **Sampled: 07/01/11 11:00** **Received: 07/01/11 16:20**

1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.048	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
718C-TT1_0.5-0.5 (1102988-05) Soil Sampled: 07/01/11 11:00 Received: 07/01/11 16:20										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.078	0.38	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.055	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.075	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	78.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	91.4			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102988
 Date Reported: 07/18/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB718C-TT1-0.5 (1102988-06) Water **Sampled: 07/01/11 11:15** **Received: 07/01/11 16:20**

1,2,4-Trichlorobenzene	<0.30	10	0.30	ug/L	1	B1G0804	07/08/11	07/12/11	EPA 8270C	
1,2-Dichlorobenzene	<0.33	10	0.33	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.26	10	0.26	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.31	10	0.31	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.29	10	0.29	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.96	10	0.96	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.59	10	0.59	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.59	10	0.59	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.63	10	0.63	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.57	10	0.57	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.2	10	1.2	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.45	10	0.45	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.50	10	0.50	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.53	10	0.53	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.60	10	0.60	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.39	10	0.39	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.88	10	0.88	ug/L	1	"	"	"	"	
2-Methylphenol	<0.48	10	0.48	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.60	10	0.60	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.93	10	0.93	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.41	10	0.41	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<7.2	25	7.2	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.1	10	1.1	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<1.0	10	1.0	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.42	10	0.42	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.48	10	0.48	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.3	10	1.3	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.31	10	0.31	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.90	10	0.90	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.78	10	0.78	ug/L	1	"	"	"	"	
Acenaphthene	<0.60	10	0.60	ug/L	1	"	"	"	"	
Acenaphthylene	<0.55	10	0.55	ug/L	1	"	"	"	"	
Aniline	<1.6	10	1.6	ug/L	1	"	"	"	"	
Anthracene	<0.56	10	0.56	ug/L	1	"	"	"	"	
Benzidine	<7.6	100	7.6	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.50	10	0.50	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.41	10	0.41	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.44	10	0.44	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.46	10	0.46	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB718C-TT1-0.5 (1102988-06) Water Sampled: 07/01/11 11:15 Received: 07/01/11 16:20										
Benzo(k)fluoranthene	<0.49	10	0.49	ug/L	1	B1G0804	07/08/11	07/12/11	EPA 8270C	
Benzoic acid	<0.52	10	0.52	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.2	10	1.2	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.27	10	0.27	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.22	10	0.22	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.23	10	0.23	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.81	10	0.81	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.45	10	0.45	ug/L	1	"	"	"	"	
Carbazole	<0.33	10	0.33	ug/L	1	"	"	"	"	
Chrysene	<0.61	10	0.61	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.55	10	0.55	ug/L	1	"	"	"	"	
Dibenzofuran	<0.59	10	0.59	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.30	10	0.30	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.33	10	0.33	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.39	10	0.39	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.67	10	0.67	ug/L	1	"	"	"	"	
Fluoranthene	<0.61	10	0.61	ug/L	1	"	"	"	"	
Fluorene	<0.52	10	0.52	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.40	10	0.40	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.41	10	0.41	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.35	10	0.35	ug/L	1	"	"	"	"	
Hexachloroethane	<0.33	10	0.33	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.39	10	0.39	ug/L	1	"	"	"	"	
Isophorone	<0.26	10	0.26	ug/L	1	"	"	"	"	
Naphthalene	<0.52	10	0.52	ug/L	1	"	"	"	"	
Nitrobenzene	<0.37	10	0.37	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.48	10	0.48	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.25	10	0.25	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.38	10	0.38	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.90	10	0.90	ug/L	1	"	"	"	"	
Phenanthrene	<0.35	10	0.35	ug/L	1	"	"	"	"	
Phenol	<0.41	10	0.41	ug/L	1	"	"	"	"	
Pyrene	<0.66	10	0.66	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	94.3			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.4			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.5			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.9			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	59.1			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.6			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102988-07) Soil Sampled: 07/01/11 00:00 Received: 07/01/11 16:20										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G1304	07/13/11	07/15/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102988-07) Soil Sampled: 07/01/11 00:00 Received: 07/01/11 16:20										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1G1304	07/13/11	07/15/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.056	0.37	0.043	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	0.048	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	73.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	53.5			53.9-97.9 %		"	"	"	"	S-GC
Surrogate: 2-Fluorophenol	47.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	52.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	55.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	54.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
718A-TT1_0.5-0.5 (1102988-08) Soil Sampled: 07/01/11 12:00 Received: 07/01/11 16:20										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
718A-TT1_0.5-0.5 (1102988-08) Soil Sampled: 07/01/11 12:00 Received: 07/01/11 16:20										
Benzo(k)fluoranthene	<0.056	0.38	0.056	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	74.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	56.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	55.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	79.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-2 (1102988-09) Soil Sampled: 07/01/11 00:00 Received: 07/01/11 16:20										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1G1304	07/13/11	07/15/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-2 (1102988-09) Soil Sampled: 07/01/11 00:00 Received: 07/01/11 16:20										
Benzo(k)fluoranthene	<0.057	0.39	0.057	mg/kg dry	1	B1G1304	07/13/11	07/15/11	EPA 8270C	
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	104			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	93.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	75.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	95.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	82.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	103			51-99.6 %		"	"	"	"	S-GC

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
718C-TT1_0.5-0.5 (1102988-05) Soil Sampled: 07/01/11 11:00 Received: 07/01/11 16:20										
1,1,1,2-Tetrachloroethane	<0.073	0.31	0.073	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.040	0.31	0.040	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.032	0.31	0.032	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.042	0.31	0.042	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.084	0.31	0.084	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.029	0.31	0.029	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.031	0.31	0.031	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.076	0.62	0.076	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.030	0.31	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.033	0.62	0.033	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.022	0.31	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.086	0.62	0.086	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.027	0.31	0.027	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.025	0.31	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.038	0.31	0.038	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.025	0.31	0.025	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.31	0.032	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.027	0.31	0.027	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.021	0.31	0.021	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.074	0.62	0.074	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.11	2.5	0.11	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.017	0.31	0.017	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
Acetone	<0.24	2.5	0.24	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.072	0.62	0.072	mg/kg dry	1	"	"	"	"	
Benzene	<0.019	0.31	0.019	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.046	0.31	0.046	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
Bromoform	<0.033	0.62	0.033	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.14	0.62	0.14	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.042	0.31	0.042	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.024	0.31	0.024	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.046	0.31	0.046	mg/kg dry	1	"	"	"	"	
Chloroform	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.076	0.31	0.076	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.032	0.31	0.032	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
718C-TT1_0.5-0.5 (1102988-05) Soil Sampled: 07/01/11 11:00 Received: 07/01/11 16:20										
cis-1,3-Dichloropropene	<0.027	0.31	0.027	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Dibromochloromethane	<0.042	0.31	0.042	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.036	0.31	0.036	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.12	0.62	0.12	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.047	0.31	0.047	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.047	0.62	0.047	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.014	0.31	0.014	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.086	1.2	0.086	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.024	0.31	0.024	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.058	0.62	0.058	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.10	0.62	0.10	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.020	0.31	0.020	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.094	1.2	0.072	mg/kg dry	1	"	"	"	"	J
Naphthalene	<0.068	0.62	0.068	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.031	0.31	0.031	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.017	0.31	0.017	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.021	0.31	0.021	mg/kg dry	1	"	"	"	"	
Styrene	<0.025	0.31	0.025	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.022	0.31	0.022	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.035	0.31	0.035	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.15	2.5	0.15	mg/kg dry	1	"	"	"	"	
Toluene	<0.020	0.31	0.020	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.037	0.31	0.037	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.029	0.31	0.029	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.051	0.31	0.051	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.043	0.31	0.043	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.081	0.31	0.081	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	88.9			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	93.0			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	92.4			78.1-125 %		"	"	"	"	

FB718C-TT1-0.5 (1102988-06) Water Sampled: 07/01/11 11:15 Received: 07/01/11 16:20										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G0604	07/06/11	07/06/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB718C-TT1-0.5 (1102988-06) Water **Sampled: 07/01/11 11:15** **Received: 07/01/11 16:20**

1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	B1G0604	07/06/11	07/06/11	EPA 8260B	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB718C-TT1-0.5 (1102988-06) Water **Sampled: 07/01/11 11:15** **Received: 07/01/11 16:20**

Ethylbenzene	<0.28	1.0	0.28	ug/L	1	B1G0604	07/06/11	07/06/11	EPA 8260B	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	96.3			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	98.6			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	97.3			80-120 %		"	"	"	"	

M-1 (1102988-07) Soil **Sampled: 07/01/11 00:00** **Received: 07/01/11 16:20**

1,1,1,2-Tetrachloroethane	<0.066	0.28	0.066	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.036	0.28	0.036	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.076	0.28	0.076	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.068	0.56	0.068	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.027	0.28	0.027	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.030	0.56	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102988-07) Soil Sampled: 07/01/11 00:00 Received: 07/01/11 16:20										
1,2-Dibromo-3-chloropropane	<0.077	0.56	0.077	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.034	0.28	0.034	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.067	0.56	0.067	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.098	2.2	0.098	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
Acetone	<0.21	2.2	0.21	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.064	0.56	0.064	mg/kg dry	1	"	"	"	"	
Benzene	<0.017	0.28	0.017	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.041	0.28	0.041	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromoform	<0.030	0.56	0.030	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.56	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.041	0.28	0.041	mg/kg dry	1	"	"	"	"	
Chloroform	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.068	0.28	0.068	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.032	0.28	0.032	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.11	0.56	0.11	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.042	0.28	0.042	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.042	0.56	0.042	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.012	0.28	0.012	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.077	1.1	0.077	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.052	0.56	0.052	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.091	0.56	0.091	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1102988-07) Soil Sampled: 07/01/11 00:00 Received: 07/01/11 16:20										
Methylene chloride	0.087	1.1	0.064	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	J
Naphthalene	<0.061	0.56	0.061	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
Styrene	<0.022	0.28	0.022	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.031	0.28	0.031	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.13	2.2	0.13	mg/kg dry	1	"	"	"	"	
Toluene	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.033	0.28	0.033	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.046	0.28	0.046	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.039	0.28	0.039	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.072	0.28	0.072	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	88.4			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	93.0			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.0			78.1-125 %		"	"	"	"	

718A-TT1_0.5-0.5 (1102988-08) Soil Sampled: 07/01/11 12:00 Received: 07/01/11 16:20										
1,1,1,2-Tetrachloroethane	<0.069	0.29	0.069	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.037	0.29	0.037	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.030	0.29	0.030	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.040	0.29	0.040	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.079	0.29	0.079	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.027	0.29	0.027	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.029	0.29	0.029	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.024	0.29	0.024	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.071	0.58	0.071	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.028	0.29	0.028	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.031	0.58	0.031	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.021	0.29	0.021	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.080	0.58	0.080	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.026	0.29	0.026	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.023	0.29	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.031	0.29	0.031	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.036	0.29	0.036	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.023	0.29	0.023	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
718A-TT1_0.5-0.5 (1102988-08) Soil Sampled: 07/01/11 12:00 Received: 07/01/11 16:20										
1,3-Dichlorobenzene	<0.030	0.29	0.030	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,3-Dichloropropane	<0.026	0.29	0.026	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.020	0.29	0.020	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.070	0.58	0.070	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.10	2.3	0.10	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.016	0.29	0.016	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.024	0.29	0.024	mg/kg dry	1	"	"	"	"	
Acetone	<0.22	2.3	0.22	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.067	0.58	0.067	mg/kg dry	1	"	"	"	"	
Benzene	<0.017	0.29	0.017	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.031	0.29	0.031	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.043	0.29	0.043	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.031	0.29	0.031	mg/kg dry	1	"	"	"	"	
Bromoform	<0.031	0.58	0.031	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.13	0.58	0.13	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.040	0.29	0.040	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.022	0.29	0.022	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.043	0.29	0.043	mg/kg dry	1	"	"	"	"	
Chloroform	<0.024	0.29	0.024	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.071	0.29	0.071	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.030	0.29	0.030	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.026	0.29	0.026	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.040	0.29	0.040	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.034	0.29	0.034	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.12	0.58	0.12	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.044	0.29	0.044	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.044	0.58	0.044	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.013	0.29	0.013	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.080	1.2	0.080	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.022	0.29	0.022	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.055	0.58	0.055	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.095	0.58	0.095	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.019	0.29	0.019	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.067	1.2	0.067	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.064	0.58	0.064	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.031	0.29	0.031	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.024	0.29	0.024	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.029	0.29	0.029	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.016	0.29	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
718A-TT1_0.5-0.5 (1102988-08) Soil Sampled: 07/01/11 12:00 Received: 07/01/11 16:20										
sec-Butylbenzene	<0.020	0.29	0.020	mg/kg dry	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Styrene	<0.023	0.29	0.023	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.021	0.29	0.021	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.033	0.29	0.033	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.14	2.3	0.14	mg/kg dry	1	"	"	"	"	
Toluene	<0.019	0.29	0.019	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.035	0.29	0.035	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.027	0.29	0.027	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.048	0.29	0.048	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.041	0.29	0.041	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.076	0.29	0.076	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	90.0			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	92.7			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.5			78.1-125 %		"	"	"	"	

M-2 (1102988-09) Soil Sampled: 07/01/11 00:00 Received: 07/01/11 16:20										
1,1,1,2-Tetrachloroethane	<0.067	0.28	0.067	mg/kg dry	1	B1G0502	07/05/11	07/06/11	EPA 8260B	
1,1,1-Trichloroethane	<0.036	0.28	0.036	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.077	0.28	0.077	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.069	0.56	0.069	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.027	0.28	0.027	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.030	0.56	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.078	0.56	0.078	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.035	0.28	0.035	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.068	0.56	0.068	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.099	2.3	0.099	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-2 (1102988-09) Soil Sampled: 07/01/11 00:00 Received: 07/01/11 16:20										
4-Chlorotoluene	<0.024	0.28	0.024	mg/kg dry	1	B1G0502	07/05/11	07/06/11	EPA 8260B	
Acetone	<0.21	2.3	0.21	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.065	0.56	0.065	mg/kg dry	1	"	"	"	"	
Benzene	<0.017	0.28	0.017	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.042	0.28	0.042	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromoform	<0.030	0.56	0.030	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.56	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.042	0.28	0.042	mg/kg dry	1	"	"	"	"	
Chloroform	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.069	0.28	0.069	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.033	0.28	0.033	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.11	0.56	0.11	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.043	0.28	0.043	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.043	0.56	0.043	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.012	0.28	0.012	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.078	1.1	0.078	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.053	0.56	0.053	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.093	0.56	0.093	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.065	1.1	0.065	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.062	0.56	0.062	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
Styrene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.032	0.28	0.032	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.14	2.3	0.14	mg/kg dry	1	"	"	"	"	
Toluene	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-2 (1102988-09) Soil Sampled: 07/01/11 00:00 Received: 07/01/11 16:20										
trans-1,2-Dichloroethane	<0.034	0.28	0.034	mg/kg dry	1	B1G0502	07/05/11	07/06/11	EPA 8260B	
trans-1,3-Dichloropropene	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.046	0.28	0.046	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.039	0.28	0.039	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.073	0.28	0.073	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.4			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	92.1			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	91.2			78.1-125 %		"	"	"	"	
Trip Blank-Water (1102988-10) Water Sampled: 06/08/11 00:00 Received: 07/01/11 16:20 H3b										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G0604	07/06/11	07/06/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank-Water (1102988-10) Water										H3b
Sampled: 06/08/11 00:00 Received: 07/01/11 16:20										
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	B1G0604	07/06/11	07/06/11	EPA 8260B	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	1.4	5.0	0.85	ug/L	1	"	"	"	"	J
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	100				80-121 %	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank-Water (1102988-10) Water										H3b
Sampled: 06/08/11 00:00 Received: 07/01/11 16:20										
Surrogate: Dibromofluoromethane	100			79.9-121 %		B1G0604	07/06/11	07/06/11	EPA 8260B	
Surrogate: Toluene-d8	98.5			80-120 %		"	"	"	"	
Trip Blank-Soil (1102988-11) Methanol										
Sampled: 07/01/11 00:00 Received: 07/01/11 16:20										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank-Soil (1102988-11) Methanol Sampled: 07/01/11 00:00 Received: 07/01/11 16:20										
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	B1G0502	07/05/11	07/05/11	EPA 8260B	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	<0.058	1.0	0.058	mg/kg wet	1	"	"	"	"	
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.1			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	93.7			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	91.9			78.1-125 %		"	"	"	"	

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EXPLOSIVES 8330
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
713A-TT1_0.5-0.5 (1102988-01) Soil Sampled: 07/01/11 08:00 Received: 07/01/11 16:20										
1,3,5-Trinitrobenzene	<0.046	1.1	0.046	mg/kg dry	1	B1G0515	07/05/11	07/13/11	EPA 8330 (M)	
1,3-Dinitrobenzene	<0.050	1.1	0.050	mg/kg dry	1	"	"	"	"	
2,4,6-Trinitrotoluene	<0.14	1.1	0.14	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	1.1	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.095	1.1	0.095	mg/kg dry	1	"	"	"	"	
2-Amino-4,6-Dinitrotoluene	<0.077	1.1	0.077	mg/kg dry	1	"	"	"	"	
2-Nitrotoluene	<0.17	1.1	0.17	mg/kg dry	1	"	"	"	"	
3-Nitrotoluene	<0.26	1.1	0.26	mg/kg dry	1	"	"	"	"	
4-Amino-2,6-Dinitrotoluene	<0.080	1.1	0.080	mg/kg dry	1	"	"	"	"	
4-Nitrotoluene	<0.24	1.1	0.24	mg/kg dry	1	"	"	"	"	
HMX	<0.12	1.1	0.12	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.070	1.1	0.070	mg/kg dry	1	"	"	"	"	
RDX	<0.083	1.1	0.083	mg/kg dry	1	"	"	"	"	
Tetryl	<0.18	1.1	0.18	mg/kg dry	1	"	"	"	"	
Surrogate: 1,2-Dinitrobenzene	95.0			70-130 %		"	"	"	"	
FB-713A-TT1-0.5 (1102988-02) Water Sampled: 07/01/11 08:15 Received: 07/01/11 16:20										
1,3,5-Trinitrobenzene	<0.19	4.0	0.19	ug/L	1	B1G1107	07/08/11	07/13/11	EPA 8330 (M)	
1,3-Dinitrobenzene	<0.38	4.0	0.38	ug/L	1	"	"	"	"	
2,4,6-Trinitrotoluene	<0.39	4.0	0.39	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.34	4.0	0.34	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.57	4.0	0.57	ug/L	1	"	"	"	"	
2-Amino-4,6-Dinitrotoluene	<0.43	4.0	0.43	ug/L	1	"	"	"	"	
2-Nitrotoluene	<0.81	4.0	0.81	ug/L	1	"	"	"	"	
3-Nitrotoluene	<0.61	4.0	0.61	ug/L	1	"	"	"	"	
4-Amino-2,6-Dinitrotoluene	<0.51	4.0	0.51	ug/L	1	"	"	"	"	
4-Nitrotoluene	<1.1	4.0	1.1	ug/L	1	"	"	"	"	
HMX	<0.38	4.0	0.38	ug/L	1	"	"	"	"	
Nitrobenzene	<0.62	4.0	0.62	ug/L	1	"	"	"	"	
RDX	<0.48	4.0	0.48	ug/L	1	"	"	"	"	
Tetryl	<0.62	4.0	0.62	ug/L	1	"	"	"	"	L2, QM-11, R2
Surrogate: 1,2-Dinitrobenzene	86.0			70-130 %		"	"	"	"	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0602 - EPA 200.7/3005A Digestion

Blank (B1G0602-BLK1)

Prepared & Analyzed: 07/06/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1G0602-BS1)

Prepared & Analyzed: 07/06/11

Arsenic	0.419	0.010	0.0011	mg/L	0.399		105	80-120			
Barium	0.412	0.020	0.0012	mg/L	0.399		103	80-120			
Cadmium	0.419	0.0010	0.00013	mg/L	0.399		105	80-120			
Chromium	0.426	0.010	0.00024	mg/L	0.399		107	80-120			
Lead	0.423	0.0030	0.00042	mg/L	0.399		106	80-120			
Selenium	0.413	0.020	0.0019	mg/L	0.399		104	80-120			
Silver	0.0437	0.0050	0.00031	mg/L	0.0399		109	80-120			

LCS Dup (B1G0602-BSD1)

Prepared & Analyzed: 07/06/11

Arsenic	0.411	0.010	0.0011	mg/L	0.399		103	80-120	1.83	20	
Barium	0.415	0.020	0.0012	mg/L	0.399		104	80-120	0.714	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399		103	80-120	1.38	20	
Chromium	0.419	0.010	0.00024	mg/L	0.399		105	80-120	1.65	20	
Lead	0.415	0.0030	0.00042	mg/L	0.399		104	80-120	1.84	20	
Selenium	0.408	0.020	0.0019	mg/L	0.399		102	80-120	1.16	20	
Silver	0.0425	0.0050	0.00031	mg/L	0.0399		107	80-120	2.70	20	

Matrix Spike (B1G0602-MS1)

Source: 1102988-04

Prepared & Analyzed: 07/06/11

Arsenic	0.417	0.010	0.0011	mg/L	0.399	<0.010	104	75-125			
Barium	0.416	0.020	0.0012	mg/L	0.399	<0.020	104	75-125			
Cadmium	0.415	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125			
Chromium	0.423	0.010	0.00024	mg/L	0.399	<0.010	106	75-125			
Lead	0.418	0.0030	0.00042	mg/L	0.399	<0.0030	105	75-125			
Selenium	0.409	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0429	0.0050	0.00031	mg/L	0.0399	<0.0050	107	75-125			

Matrix Spike Dup (B1G0602-MSD1)

Source: 1102988-04

Prepared & Analyzed: 07/06/11

Arsenic	0.413	0.010	0.0011	mg/L	0.399	<0.010	104	75-125	0.809	20	
Barium	0.414	0.020	0.0012	mg/L	0.399	<0.020	104	75-125	0.447	20	
Cadmium	0.413	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125	0.273	20	
Chromium	0.421	0.010	0.00024	mg/L	0.399	<0.010	105	75-125	0.595	20	
Lead	0.416	0.0030	0.00042	mg/L	0.399	<0.0030	104	75-125	0.517	20	
Selenium	0.407	0.020	0.0019	mg/L	0.399	<0.020	101	75-125	0.541	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G0602 - EPA 200.7/3005A Digestion											
Matrix Spike Dup (B1G0602-MSD1)			Source: 1102988-04			Prepared & Analyzed: 07/06/11					
Silver	0.0424	0.0050	0.00031	mg/L	0.0399	<0.0050	105	75-125	1.15	20	
Batch B1G0629 - EPA 245.1/7470A Digestion											
Blank (B1G0629-BLK1)			Prepared: 07/06/11 Analyzed: 07/07/11								
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1G0629-BS1)			Prepared: 07/06/11 Analyzed: 07/07/11								
Mercury	0.00201	0.00020	0.000037	mg/L	0.00200		100	80-120			
LCS Dup (B1G0629-BSD1)			Prepared: 07/06/11 Analyzed: 07/07/11								
Mercury	0.00176	0.00020	0.000037	mg/L	0.00200		88.0	80-120	13.3	20	
Matrix Spike (B1G0629-MS1)			Source: 1102809-01			Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.00217	0.00020	0.000037	mg/L	0.00200	0.000548	81.1	75-125			
Matrix Spike Dup (B1G0629-MSD1)			Source: 1102809-01			Prepared: 07/06/11 Analyzed: 07/07/11					
Mercury	0.00226	0.00020	0.000037	mg/L	0.00200	0.000548	85.6	75-125	4.06	20	
Batch B1G1213 - EPA 7471A											
Blank (B1G1213-BLK1)			Prepared: 07/12/11 Analyzed: 07/13/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G1213-BS1)			Prepared: 07/12/11 Analyzed: 07/13/11								
Mercury	0.191	0.10	0.019	mg/kg wet	0.200		95.5	80-120			
LCS Dup (B1G1213-BSD1)			Prepared: 07/12/11 Analyzed: 07/13/11								
Mercury	0.202	0.10	0.019	mg/kg wet	0.200		101	80-120	5.60	20	
Matrix Spike (B1G1213-MS1)			Source: 1102981-01			Prepared: 07/12/11 Analyzed: 07/13/11					
Mercury	0.272	0.12	0.022	mg/kg dry	0.233	<0.12	108	75-125			
Matrix Spike Dup (B1G1213-MSD1)			Source: 1102981-01			Prepared: 07/12/11 Analyzed: 07/13/11					
Mercury	0.261	0.11	0.021	mg/kg dry	0.226	<0.11	106	75-125	4.15	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1216 - EPA 3050B

Blank (B1G1216-BLK1)

Prepared: 07/12/11 Analyzed: 07/13/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G1216-BS1)

Prepared: 07/12/11 Analyzed: 07/13/11

Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	41.4	1.0	0.060	mg/kg wet	39.9		104	80-120			
Cadmium	41.4	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	42.0	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	42.4	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	41.0	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.15	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1G1216-BSD1)

Prepared: 07/12/11 Analyzed: 07/13/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120	1.25	20	
Barium	41.4	1.0	0.060	mg/kg wet	39.9		104	80-120	0.0105	20	
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120	0.728	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		105	80-120	0.584	20	
Lead	42.1	1.0	0.14	mg/kg wet	39.9		105	80-120	0.786	20	
Selenium	40.8	1.0	0.095	mg/kg wet	39.9		102	80-120	0.662	20	
Silver	4.14	0.25	0.016	mg/kg wet	3.99		104	80-120	0.256	20	

Matrix Spike (B1G1216-MS1)

Source: 1103058-02

Prepared: 07/12/11 Analyzed: 07/13/11

Arsenic	46.7	0.56	0.062	mg/kg dry	43.9	5.25	94.6	75-125			
Barium	136	1.1	0.067	mg/kg dry	43.9	93.2	98.0	75-125			
Cadmium	43.0	0.28	0.037	mg/kg dry	43.9	<0.28	97.7	75-125			
Chromium	57.9	0.56	0.013	mg/kg dry	43.9	14.3	99.5	75-125			
Lead	58.2	1.1	0.16	mg/kg dry	43.9	16.0	96.2	75-125			
Selenium	40.9	1.1	0.11	mg/kg dry	43.9	<1.1	93.2	75-125			
Silver	4.15	0.28	0.018	mg/kg dry	4.39	<0.28	94.7	75-125			

Matrix Spike Dup (B1G1216-MSD1)

Source: 1103058-02

Prepared: 07/12/11 Analyzed: 07/13/11

Arsenic	46.4	0.56	0.062	mg/kg dry	43.5	5.25	94.6	75-125	0.734	20	
Barium	138	1.1	0.067	mg/kg dry	43.5	93.2	102	75-125	1.08	20	
Cadmium	43.0	0.28	0.037	mg/kg dry	43.5	<0.28	98.6	75-125	0.125	20	
Chromium	60.8	0.56	0.013	mg/kg dry	43.5	14.3	107	75-125	4.81	20	
Lead	55.3	1.1	0.16	mg/kg dry	43.5	16.0	90.3	75-125	5.13	20	
Selenium	40.5	1.1	0.11	mg/kg dry	43.5	<1.1	93.0	75-125	0.933	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1216 - EPA 3050B											
Matrix Spike Dup (B1G1216-MSD1)											
			Source: 1103058-02			Prepared: 07/12/11		Analyzed: 07/13/11			
Silver	4.15	0.28	0.018	mg/kg dry	4.35	<0.28	95.4	75-125	0.0412	20	

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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1109 - General Preparation											
Duplicate (B1G1109-DUP1)							Source: 1102980-02				Prepared: 07/11/11 Analyzed: 07/12/11
% Solids	88.0			%		90.0			2.25	20	
Duplicate (B1G1109-DUP2)							Source: 1102980-12				Prepared: 07/11/11 Analyzed: 07/12/11
% Solids	81.0			%		81.0			0.00	20	
Duplicate (B1G1109-DUP3)							Source: 1103059-02				Prepared: 07/11/11 Analyzed: 07/12/11
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1G1109-DUP4)							Source: 1103067-01				Prepared: 07/11/11 Analyzed: 07/12/11
% Solids	85.0			%		87.0			2.33	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0804 - EPA 3510C (Sep Funnel)

Blank (B1G0804-BLK1)

Prepared: 07/08/11 Analyzed: 07/11/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0804 - EPA 3510C (Sep Funnel)

Blank (B1G0804-BLK1)

Prepared: 07/08/11 Analyzed: 07/11/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	94.2			ug/L	100		94.2	30-122			
Surrogate: 2-Fluorobiphenyl	69.3			ug/L	100		69.3	39.2-104			
Surrogate: 2-Fluorophenol	57.5			ug/L	100		57.5	30-80.1			
Surrogate: Nitrobenzene-d5	74.8			ug/L	100		74.8	51.2-103			
Surrogate: Phenol-d6	52.2			ug/L	100		52.2	30-75.3			
Surrogate: Terphenyl-d14	73.6			ug/L	100		73.6	30-116			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102988
 Date Reported: 07/18/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0804 - EPA 3510C (Sep Funnel)

LCS (B1G0804-BS1)

Prepared: 07/08/11 Analyzed: 07/11/11

1,2,4-Trichlorobenzene	62.2	10	0.30	ug/L	100		62.2	47.4-88.7			
1,4-Dichlorobenzene	59.2	10	0.29	ug/L	100		59.2	39.5-81			
2,4-Dinitrotoluene	79.2	10	0.45	ug/L	100		79.2	67.2-99.3			
2-Chlorophenol	71.1	10	0.39	ug/L	100		71.1	56.5-85.9			
4-Chloro-3-methylphenol	76.7	10	0.48	ug/L	100		76.7	62.1-98.2			
4-Nitrophenol	68.3	10	0.78	ug/L	100		68.3	40.5-98.5			
Anthracene	80.2	10	0.56	ug/L	100		80.2	70.6-95.3			
Benzo(a)anthracene	84.8	10	0.50	ug/L	100		84.8	73.7-96.6			
Benzo(a)pyrene	84.0	10	0.41	ug/L	100		84.0	70.9-92.6			
Chrysene	87.1	10	0.61	ug/L	100		87.1	71.8-97.5			
Fluoranthene	77.0	10	0.61	ug/L	100		77.0	73.6-96.8			
Fluorene	71.8	10	0.52	ug/L	100		71.8	69.3-93.3			
N-Nitrosodi-n-propylamine	78.4	10	0.25	ug/L	100		78.4	65.9-89.3			
Pentachlorophenol	85.5	10	0.90	ug/L	100		85.5	55-107			
Phenanthrene	82.3	10	0.35	ug/L	100		82.3	72.5-97.6			
Phenol	52.0	10	0.41	ug/L	100		52.0	34.1-71.6			
Surrogate: 2,4,6-Tribromophenol	84.7			ug/L	100		84.7	30-122			
Surrogate: 2-Fluorobiphenyl	67.0			ug/L	100		67.0	39.2-104			
Surrogate: 2-Fluorophenol	62.7			ug/L	100		62.7	30-80.1			
Surrogate: Nitrobenzene-d5	75.4			ug/L	100		75.4	51.2-103			
Surrogate: Phenol-d6	57.2			ug/L	100		57.2	30-75.3			
Surrogate: Terphenyl-d14	76.8			ug/L	100		76.8	30-116			

Matrix Spike (B1G0804-MS1)

Source: 1103019-01

Prepared: 07/08/11 Analyzed: 07/12/11

1,2,4-Trichlorobenzene	75.4	80	2.4	ug/L	95.2	<80	79.1	39.2-90.6			J
1,4-Dichlorobenzene	83.0	80	2.3	ug/L	95.2	<80	76.8	34.1-81.6			
2,4-Dinitrotoluene	85.9	80	3.6	ug/L	95.2	<80	90.2	41.1-110			
2-Chlorophenol	103	80	3.1	ug/L	95.2	<80	108	30-96.4			QM-05
4-Chloro-3-methylphenol	99.2	80	3.8	ug/L	95.2	<80	104	30-113			
4-Nitrophenol	72.5	80	6.2	ug/L	95.2	<80	76.1	30-112			J
Anthracene	93.8	80	4.5	ug/L	95.2	<80	98.5	30-119			
Benzo(a)anthracene	81.1	80	4.0	ug/L	95.2	<80	85.1	30-122			
Benzo(a)pyrene	83.5	80	3.3	ug/L	95.2	<80	87.6	30-118			
Chrysene	85.2	80	4.9	ug/L	95.2	<80	89.4	30-125			
Fluoranthene	90.8	80	4.9	ug/L	95.2	<80	95.3	31.6-119			
Fluorene	88.1	80	4.2	ug/L	95.2	<80	92.5	40.8-107			
N-Nitrosodi-n-propylamine	92.7	80	2.0	ug/L	95.2	<80	97.3	47.2-94.8			QM-05
Pentachlorophenol	92.8	80	7.2	ug/L	95.2	<80	97.4	30-130			
Phenanthrene	98.2	80	2.8	ug/L	95.2	<80	103	38.2-117			
Phenol	912	80	3.3	ug/L	95.2	1450	NR	30-80			QM-05

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0804 - EPA 3510C (Sep Funnel)

Matrix Spike (B1G0804-MS1)

Source: 1103019-01

Prepared: 07/08/11

Analyzed: 07/12/11

Surrogate: 2,4,6-Tribromophenol	97.6			ug/L	95.2		102	30-122			
Surrogate: 2-Fluorobiphenyl	80.8			ug/L	95.2		84.8	39.2-104			
Surrogate: 2-Fluorophenol	50.3			ug/L	95.2		52.8	30-80.1			
Surrogate: Nitrobenzene-d5	81.5			ug/L	95.2		85.6	51.2-103			
Surrogate: Phenol-d6	59.8			ug/L	95.2		62.8	30-75.3			
Surrogate: Terphenyl-d14	76.1			ug/L	95.2		79.9	30-116			

Matrix Spike Dup (B1G0804-MSD1)

Source: 1103019-01

Prepared: 07/08/11

Analyzed: 07/12/11

1,2,4-Trichlorobenzene	74.0	74	2.2	ug/L	92.6	<74	79.9	39.2-90.6	1.81	23.6	
1,4-Dichlorobenzene	81.7	74	2.1	ug/L	92.6	<74	77.6	34.1-81.6	1.61	22.4	
2,4-Dinitrotoluene	82.9	74	3.3	ug/L	92.6	<74	89.5	41.1-110	3.50	17.2	
2-Chlorophenol	103	74	2.9	ug/L	92.6	<74	111	30-96.4	0.267	23.7	QM-05
4-Chloro-3-methylphenol	100	74	3.6	ug/L	92.6	<74	108	30-113	0.823	24.1	
4-Nitrophenol	72.0	74	5.8	ug/L	92.6	<74	77.7	30-112	0.714	34.3	J
Anthracene	93.2	74	4.1	ug/L	92.6	<74	101	30-119	0.700	24.5	
Benzo(a)anthracene	80.8	74	3.7	ug/L	92.6	<74	87.3	30-122	0.343	27.8	
Benzo(a)pyrene	83.6	74	3.0	ug/L	92.6	<74	90.3	30-118	0.140	27.1	
Chrysene	84.7	74	4.5	ug/L	92.6	<74	91.5	30-125	0.539	28	
Fluoranthene	87.7	74	4.5	ug/L	92.6	<74	94.7	31.6-119	3.44	25.9	
Fluorene	86.4	74	3.9	ug/L	92.6	<74	93.3	40.8-107	1.91	20.6	
N-Nitrosodi-n-propylamine	92.5	74	1.9	ug/L	92.6	<74	99.9	47.2-94.8	0.219	15.8	QM-05
Pentachlorophenol	90.5	74	6.7	ug/L	92.6	<74	97.8	30-130	2.43	25.5	
Phenanthrene	96.7	74	2.6	ug/L	92.6	<74	104	38.2-117	1.52	19.3	
Phenol	985	74	3.0	ug/L	92.6	1450	NR	30-80	7.69	31.9	QM-05
Surrogate: 2,4,6-Tribromophenol	95.9			ug/L	92.6		104	30-122			
Surrogate: 2-Fluorobiphenyl	79.7			ug/L	92.6		86.1	39.2-104			
Surrogate: 2-Fluorophenol	48.7			ug/L	92.6		52.6	30-80.1			
Surrogate: Nitrobenzene-d5	83.5			ug/L	92.6		90.2	51.2-103			
Surrogate: Phenol-d6	58.0			ug/L	92.6		62.6	30-75.3			
Surrogate: Terphenyl-d14	73.6			ug/L	92.6		79.5	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1304 - EPA 3545 ASE Extraction

Blank (B1G1304-BLK1)

Prepared: 07/13/11 Analyzed: 07/14/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1304 - EPA 3545 ASE Extraction

Blank (B1G1304-BLK1)

Prepared: 07/13/11 Analyzed: 07/14/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.84			mg/kg wet	6.67		72.5	53-107			
Surrogate: 2-Fluorobiphenyl	3.77			mg/kg wet	6.67		56.5	53.9-97.9			
Surrogate: 2-Fluorophenol	3.77			mg/kg wet	6.67		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.99			mg/kg wet	6.67		59.8	48.9-100			
Surrogate: Phenol-d6	4.15			mg/kg wet	6.67		62.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.07			mg/kg wet	6.67		61.0	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102988
 Date Reported: 07/18/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1304 - EPA 3545 ASE Extraction

LCS (B1G1304-BS1)

Prepared & Analyzed: 07/13/11

1,2,4-Trichlorobenzene	4.13	0.33	0.031	mg/kg wet	6.67		62.0	59.1-87.7			
1,4-Dichlorobenzene	3.80	0.33	0.029	mg/kg wet	6.67		57.0	50.3-72.9			
2,4-Dinitrotoluene	4.36	0.33	0.035	mg/kg wet	6.67		65.5	59.8-82.2			
2-Chlorophenol	4.67	0.67	0.060	mg/kg wet	6.67		70.0	59.7-77.3			
4-Chloro-3-methylphenol	4.86	0.67	0.066	mg/kg wet	6.67		72.9	63.6-80.4			
4-Nitrophenol	4.90	0.67	0.093	mg/kg wet	6.67		73.5	57.3-84.9			
Anthracene	4.69	0.33	0.036	mg/kg wet	6.67		70.3	67.3-88			
Benzo(a)anthracene	4.93	0.33	0.041	mg/kg wet	6.67		73.9	66.5-90.5			
Benzo(a)pyrene	4.90	0.33	0.042	mg/kg wet	6.67		73.5	66.1-89.7			
Chrysene	4.97	0.33	0.044	mg/kg wet	6.67		74.6	65.5-90.5			
Fluoranthene	4.85	0.33	0.039	mg/kg wet	6.67		72.7	66.7-89.9			
Fluorene	4.44	0.33	0.035	mg/kg wet	6.67		66.5	66.2-85.6			
N-Nitrosodi-n-propylamine	4.38	0.33	0.033	mg/kg wet	6.67		65.7	59.4-78			
Pentachlorophenol	4.98	0.67	0.078	mg/kg wet	6.67		74.6	46.7-83.2			
Phenanthrene	4.81	0.33	0.036	mg/kg wet	6.67		72.1	67.5-87.9			
Phenol	4.18	0.67	0.069	mg/kg wet	6.67		62.7	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.85			mg/kg wet	6.67		72.7	53-107			
Surrogate: 2-Fluorobiphenyl	3.95			mg/kg wet	6.67		59.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.01			mg/kg wet	6.67		60.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.18			mg/kg wet	6.67		62.7	48.9-100			
Surrogate: Phenol-d6	4.51			mg/kg wet	6.67		67.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.22			mg/kg wet	6.67		63.3	51-99.6			

Matrix Spike (B1G1304-MS1)

Source: 1102981-02

Prepared: 07/13/11 Analyzed: 07/14/11

1,2,4-Trichlorobenzene	5.27	0.45	0.042	mg/kg dry	9.18	<0.45	57.4	44.8-97.9			
1,4-Dichlorobenzene	5.05	0.45	0.040	mg/kg dry	9.18	<0.45	55.0	42.3-77.9			
2,4-Dinitrotoluene	7.43	0.45	0.048	mg/kg dry	9.18	<0.45	81.0	57.3-86.6			
2-Chlorophenol	5.56	0.92	0.082	mg/kg dry	9.18	<0.92	60.6	43.3-93.2			
4-Chloro-3-methylphenol	6.89	0.92	0.090	mg/kg dry	9.18	<0.92	75.1	47.1-97.6			
4-Nitrophenol	7.61	0.92	0.13	mg/kg dry	9.18	<0.92	83.0	49.3-96.2			
Anthracene	8.22	0.45	0.049	mg/kg dry	9.18	<0.45	89.6	67.5-93.1			
Benzo(a)anthracene	8.09	0.45	0.056	mg/kg dry	9.18	<0.45	88.2	59.8-95.7			
Benzo(a)pyrene	8.29	0.45	0.058	mg/kg dry	9.18	<0.45	90.3	59.8-92.7			
Chrysene	8.08	0.45	0.060	mg/kg dry	9.18	<0.45	88.1	62.5-94.6			
Fluoranthene	8.34	0.45	0.053	mg/kg dry	9.18	<0.45	90.9	61.3-92.8			
Fluorene	7.59	0.45	0.048	mg/kg dry	9.18	<0.45	82.8	62.8-92.6			
N-Nitrosodi-n-propylamine	5.80	0.45	0.045	mg/kg dry	9.18	<0.45	63.3	46.9-89.9			
Pentachlorophenol	6.56	0.92	0.11	mg/kg dry	9.18	<0.92	71.5	40.1-95.1			
Phenanthrene	8.14	0.45	0.049	mg/kg dry	9.18	<0.45	88.7	65.2-92.2			
Phenol	5.81	0.92	0.095	mg/kg dry	9.18	<0.92	63.3	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1304 - EPA 3545 ASE Extraction

Matrix Spike (B1G1304-MS1)

Source: 1102981-02

Prepared: 07/13/11

Analyzed: 07/14/11

Surrogate: 2,4,6-Tribromophenol	7.65			mg/kg dry	9.18		83.4	53-107			
Surrogate: 2-Fluorobiphenyl	6.33			mg/kg dry	9.18		69.0	53.9-97.9			
Surrogate: 2-Fluorophenol	5.61			mg/kg dry	9.18		61.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.65			mg/kg dry	9.18		61.6	48.9-100			
Surrogate: Phenol-d6	6.02			mg/kg dry	9.18		65.7	50.4-99.6			
Surrogate: Terphenyl-d14	7.18			mg/kg dry	9.18		78.2	51-99.6			

Matrix Spike Dup (B1G1304-MSD1)

Source: 1102981-02

Prepared: 07/13/11

Analyzed: 07/14/11

1,2,4-Trichlorobenzene	5.18	0.45	0.042	mg/kg dry	9.16	<0.45	56.5	44.8-97.9	1.70	19.6	
1,4-Dichlorobenzene	4.94	0.45	0.040	mg/kg dry	9.16	<0.45	54.0	42.3-77.9	2.08	22.4	
2,4-Dinitrotoluene	7.46	0.45	0.048	mg/kg dry	9.16	<0.45	81.5	57.3-86.6	0.421	19.5	
2-Chlorophenol	5.48	0.92	0.082	mg/kg dry	9.16	<0.92	59.9	43.3-93.2	1.37	23.7	
4-Chloro-3-methylphenol	6.96	0.92	0.090	mg/kg dry	9.16	<0.92	76.0	47.1-97.6	1.02	18.3	
4-Nitrophenol	7.63	0.92	0.13	mg/kg dry	9.16	<0.92	83.4	49.3-96.2	0.251	20.4	
Anthracene	8.17	0.45	0.049	mg/kg dry	9.16	<0.45	89.2	67.5-93.1	0.607	19.9	
Benzo(a)anthracene	8.09	0.45	0.056	mg/kg dry	9.16	<0.45	88.4	59.8-95.7	0.0153	23.4	
Benzo(a)pyrene	8.26	0.45	0.058	mg/kg dry	9.16	<0.45	90.2	59.8-92.7	0.337	21.1	
Chrysene	8.13	0.45	0.060	mg/kg dry	9.16	<0.45	88.8	62.5-94.6	0.628	24.8	
Fluoranthene	8.32	0.45	0.053	mg/kg dry	9.16	<0.45	90.9	61.3-92.8	0.260	21.8	
Fluorene	7.58	0.45	0.048	mg/kg dry	9.16	<0.45	82.8	62.8-92.6	0.125	17.6	
N-Nitrosodi-n-propylamine	5.75	0.45	0.045	mg/kg dry	9.16	<0.45	62.8	46.9-89.9	0.870	18.9	
Pentachlorophenol	6.63	0.92	0.11	mg/kg dry	9.16	<0.92	72.4	40.1-95.1	1.01	19.7	
Phenanthrene	8.15	0.45	0.049	mg/kg dry	9.16	<0.45	89.0	65.2-92.2	0.121	20.5	
Phenol	5.76	0.92	0.095	mg/kg dry	9.16	<0.92	62.9	44.7-91	0.868	17.9	
Surrogate: 2,4,6-Tribromophenol	7.55			mg/kg dry	9.16		82.5	53-107			
Surrogate: 2-Fluorobiphenyl	6.15			mg/kg dry	9.16		67.1	53.9-97.9			
Surrogate: 2-Fluorophenol	5.45			mg/kg dry	9.16		59.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.50			mg/kg dry	9.16		60.0	48.9-100			
Surrogate: Phenol-d6	5.88			mg/kg dry	9.16		64.2	50.4-99.6			
Surrogate: Terphenyl-d14	7.14			mg/kg dry	9.16		78.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Blank (B1G0502-BLK1)

Prepared & Analyzed: 07/05/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	42.7			ug/L	50.0		85.3	80-124			
Surrogate: Dibromofluoromethane	46.5			ug/L	50.0		92.9	77.1-123			
Surrogate: Toluene-d8	45.1			ug/L	50.0		90.3	78.1-125			

LCS (B1G0502-BS1)

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	51.0			ug/L	50.0		102	75-120			
1,1-Dichloroethane	42.8			ug/L	50.0		85.7	79.6-120			
1,1-Dichloroethene	43.7			ug/L	50.0		87.5	78.3-120			
1,3,5-Trimethylbenzene	50.3			ug/L	50.0		101	77-120			
1,4-Dichlorobenzene	52.1			ug/L	50.0		104	75-125			
2-Chlorotoluene	52.2			ug/L	50.0		104	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

LCS (B1G0502-BS1)

Prepared & Analyzed: 07/05/11

Benzene	48.3			ug/L	50.0		96.6	80-120			
Bromoform	48.1			ug/L	50.0		96.3	80-120			
Chlorobenzene	49.1			ug/L	50.0		98.2	80-120			
Chloroform	47.0			ug/L	50.0		93.9	80-120			
Ethylbenzene	49.8			ug/L	50.0		99.6	80-120			
n-Butylbenzene	49.5			ug/L	50.0		99.0	75-125			
n-Propylbenzene	52.4			ug/L	50.0		105	75-120			
Toluene	49.1			ug/L	50.0		98.2	80-120			
Trichloroethene	49.1			ug/L	50.0		98.1	80-120			
Vinyl chloride	49.3			ug/L	50.0		98.6	75-130			
Surrogate: 4-Bromofluorobenzene	47.3			ug/L	50.0		94.6	80-124			
Surrogate: Dibromofluoromethane	46.7			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	46.7			ug/L	50.0		93.5	78.1-125			

Matrix Spike (B1G0502-MS1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	51.8			ug/L	50.0	<	104	75-125			
1,1-Dichloroethane	43.9			ug/L	50.0	<	87.8	78.7-123			
1,1-Dichloroethene	42.7			ug/L	50.0	<	85.4	75.8-121			
1,3,5-Trimethylbenzene	51.3			ug/L	50.0	<	103	75-120			
1,4-Dichlorobenzene	52.7			ug/L	50.0	<	105	75-125			
2-Chlorotoluene	52.8			ug/L	50.0	<	106	75-120			
Benzene	47.5			ug/L	50.0	<	95.1	80-120			
Bromoform	48.7			ug/L	50.0	<	97.3	80-120			
Chlorobenzene	51.6			ug/L	50.0	<	103	80-120			
Chloroform	45.9			ug/L	50.0	<	91.8	80-120			
Ethylbenzene	51.0			ug/L	50.0	<	102	80-120			
n-Butylbenzene	51.4			ug/L	50.0	<	103	73.8-125			
n-Propylbenzene	52.8			ug/L	50.0	<	106	75-120			
Toluene	48.7			ug/L	50.0	<	97.5	80-120			
Trichloroethene	49.6			ug/L	50.0	<	99.2	80-120			
Vinyl chloride	47.5			ug/L	50.0	<	95.1	74.8-130			
Surrogate: 4-Bromofluorobenzene	46.9			ug/L	50.0		93.8	80-124			
Surrogate: Dibromofluoromethane	46.7			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	45.7			ug/L	50.0		91.4	78.1-125			

Matrix Spike Dup (B1G0502-MSD1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,1,2,2-Tetrachloroethane	49.6			ug/L	50.0	<	99.1	75-125	4.41	20	
1,1-Dichloroethane	43.4			ug/L	50.0	<	86.8	78.7-123	1.14	20	
1,1-Dichloroethene	43.6			ug/L	50.0	<	87.2	75.8-121	2.02	20	
1,3,5-Trimethylbenzene	50.3			ug/L	50.0	<	101	75-120	2.04	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0502 - EPA 5035 Soil (Purge and Trap)

Matrix Spike Dup (B1G0502-MSD1)

Source: 1102929-01

Prepared & Analyzed: 07/05/11

1,4-Dichlorobenzene	52.5			ug/L	50.0	<	105	75-125	0.519	20	
2-Chlorotoluene	50.7			ug/L	50.0	<	101	75-120	4.18	20	
Benzene	47.7			ug/L	50.0	<	95.5	80-120	0.435	20	
Bromoform	49.1			ug/L	50.0	<	98.2	80-120	0.852	20	
Chlorobenzene	50.7			ug/L	50.0	<	101	80-120	1.83	20	
Chloroform	45.5			ug/L	50.0	<	90.9	80-120	0.918	20	
Ethylbenzene	50.8			ug/L	50.0	<	102	80-120	0.427	20	
n-Butylbenzene	49.2			ug/L	50.0	<	98.5	73.8-125	4.25	20	
n-Propylbenzene	50.7			ug/L	50.0	<	101	75-120	3.89	20	
Toluene	47.9			ug/L	50.0	<	95.8	80-120	1.73	20	
Trichloroethene	48.9			ug/L	50.0	<	97.9	80-120	1.28	20	
Vinyl chloride	47.5			ug/L	50.0	<	94.9	74.8-130	0.181	20	
Surrogate: 4-Bromofluorobenzene	47.1			ug/L	50.0		94.3	80-124			
Surrogate: Dibromofluoromethane	47.3			ug/L	50.0		94.5	77.1-123			
Surrogate: Toluene-d8	46.4			ug/L	50.0		92.8	78.1-125			

Batch B1G0604 - EPA 5030 Water (Purge and Trap)

Blank (B1G0604-BLK1)

Prepared & Analyzed: 07/06/11

1,1,1,2-Tetrachloroethane	< 0.29	1.0	0.29	ug/L							
1,1,1-Trichloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2,2-Tetrachloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2-Trichloroethane	< 0.19	1.0	0.19	ug/L							
1,1,2-Trichlorotrifluoroethane	< 0.25	1.0	0.25	ug/L							
1,1-Dichloroethane	< 0.15	1.0	0.15	ug/L							
1,1-Dichloroethane	< 0.24	1.0	0.24	ug/L							
1,1-Dichloropropene	< 0.14	1.0	0.14	ug/L							
1,2,3-Trichlorobenzene	< 0.35	5.0	0.35	ug/L							
1,2,3-Trichloropropane	< 0.22	2.5	0.22	ug/L							
1,2,4-Trichlorobenzene	< 0.30	5.0	0.30	ug/L							
1,2,4-Trimethylbenzene	< 0.072	1.0	0.072	ug/L							
1,2-Dibromo-3-chloropropane	< 0.40	5.0	0.40	ug/L							
1,2-Dibromoethane (EDB)	< 0.15	2.5	0.15	ug/L							
1,2-Dichlorobenzene	< 0.12	1.0	0.12	ug/L							
1,2-Dichloroethane	< 0.26	1.0	0.26	ug/L							
1,2-Dichloropropane	< 0.19	1.0	0.19	ug/L							
1,3,5-Trimethylbenzene	< 0.11	1.0	0.11	ug/L							
1,3-Dichlorobenzene	< 0.15	1.0	0.15	ug/L							
1,3-Dichloropropane	< 0.16	1.0	0.16	ug/L							
1,4-Dichlorobenzene	< 0.081	1.0	0.081	ug/L							
2,2-Dichloropropane	< 0.66	5.0	0.66	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0604 - EPA 5030 Water (Purge and Trap)

Blank (B1G0604-BLK1)

Prepared & Analyzed: 07/06/11

2-Butanone	< 0.65	20	0.65	ug/L							
2-Chlorotoluene	< 0.081	1.0	0.081	ug/L							
4-Chlorotoluene	< 0.11	1.0	0.11	ug/L							
Acetone	< 3.8	20	3.8	ug/L							
Allyl chloride	< 0.51	5.0	0.51	ug/L							
Benzene	< 0.071	1.0	0.071	ug/L							
Bromobenzene	< 0.082	1.0	0.082	ug/L							
Bromochloromethane	< 0.20	1.0	0.20	ug/L							
Bromodichloromethane	< 0.23	1.0	0.23	ug/L							
Bromoform	< 0.26	5.0	0.26	ug/L							
Bromomethane	< 0.32	5.0	0.32	ug/L							
Carbon tetrachloride	< 0.15	1.0	0.15	ug/L							
Chlorobenzene	< 0.20	1.0	0.20	ug/L							
Chloroethane	< 0.27	2.5	0.27	ug/L							
Chloroform	< 0.15	1.0	0.15	ug/L							
Chloromethane	< 0.24	2.5	0.24	ug/L							
cis-1,2-Dichloroethene	< 0.12	1.0	0.12	ug/L							
cis-1,3-Dichloropropene	< 0.18	1.0	0.18	ug/L							
Dibromochloromethane	< 0.26	2.5	0.26	ug/L							
Dibromomethane	< 0.24	2.5	0.24	ug/L							
Dichlorodifluoromethane	< 0.25	5.0	0.25	ug/L							
Dichlorofluoromethane	< 0.21	1.0	0.21	ug/L							
Ethyl ether	< 0.27	5.0	0.27	ug/L							
Ethylbenzene	< 0.28	1.0	0.28	ug/L							
Hexachlorobutadiene	< 0.42	10	0.42	ug/L							
Isopropylbenzene	< 0.12	1.0	0.12	ug/L							
m,p-Xylene	< 0.57	2.0	0.57	ug/L							
Methyl isobutyl ketone	< 0.40	5.0	0.40	ug/L							
Methyl tert-butyl ether	< 0.16	1.0	0.16	ug/L							
Methylene chloride	< 0.85	5.0	0.85	ug/L							
Naphthalene	< 0.30	5.0	0.30	ug/L							
n-Butylbenzene	< 0.15	2.5	0.15	ug/L							
n-Propylbenzene	< 0.094	1.0	0.094	ug/L							
o-Xylene	< 0.19	1.0	0.19	ug/L							
p-Isopropyltoluene	< 0.14	2.5	0.14	ug/L							
sec-Butylbenzene	< 0.11	1.0	0.11	ug/L							
Styrene	< 0.21	1.0	0.21	ug/L							
tert-Butylbenzene	< 0.091	1.0	0.091	ug/L							
Tetrachloroethene	< 0.28	1.0	0.28	ug/L							

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1102988
 Date Reported: 07/18/11

VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0604 - EPA 5030 Water (Purge and Trap)

Blank (B1G0604-BLK1)

Prepared & Analyzed: 07/06/11

Tetrahydrofuran	< 0.75	20	0.75	ug/L							
Toluene	< 0.10	1.0	0.10	ug/L							
trans-1,2-Dichloroethene	< 0.056	1.0	0.056	ug/L							
trans-1,3-Dichloropropene	< 0.14	1.0	0.14	ug/L							
Trichloroethene	< 0.18	1.0	0.18	ug/L							
Trichlorofluoromethane	< 0.29	1.0	0.29	ug/L							
Vinyl chloride	< 0.21	1.0	0.21	ug/L							
Surrogate: 4-Bromofluorobenzene	49.1			ug/L	50.0		98.2	80-121			
Surrogate: Dibromofluoromethane	50.1			ug/L	50.0		100	79.9-121			
Surrogate: Toluene-d8	50.1			ug/L	50.0		100	80-120			

LCS (B1G0604-BS1)

Prepared & Analyzed: 07/06/11

1,1,2,2-Tetrachloroethane	48.9	1.0	0.16	ug/L	50.0		97.8	80-121			
1,1-Dichloroethane	46.5	1.0	0.15	ug/L	50.0		93.0	80-125			
1,1-Dichloroethene	41.7	1.0	0.24	ug/L	50.0		83.4	80-125			
1,3,5-Trimethylbenzene	48.9	1.0	0.11	ug/L	50.0		97.8	75.4-125			
1,4-Dichlorobenzene	48.5	1.0	0.081	ug/L	50.0		97.0	75-125			
2-Chlorotoluene	48.3	1.0	0.081	ug/L	50.0		96.7	75.4-125			
Benzene	51.0	1.0	0.071	ug/L	50.0		102	80-120			
Bromoform	51.0	5.0	0.26	ug/L	50.0		102	80-120			
Chlorobenzene	52.0	1.0	0.20	ug/L	50.0		104	80-120			
Chloroform	49.0	1.0	0.15	ug/L	50.0		98.1	80-123			
Ethylbenzene	51.2	1.0	0.28	ug/L	50.0		102	80-120			
n-Butylbenzene	48.0	2.5	0.15	ug/L	50.0		96.0	75-125			
n-Propylbenzene	49.5	1.0	0.094	ug/L	50.0		99.1	75.8-125			
Toluene	51.9	1.0	0.10	ug/L	50.0		104	80-120			
Trichloroethene	51.2	1.0	0.18	ug/L	50.0		102	80-120			
Vinyl chloride	50.1	1.0	0.21	ug/L	50.0		100	75-130			
Surrogate: 4-Bromofluorobenzene	52.4			ug/L	50.0		105	80-121			
Surrogate: Dibromofluoromethane	50.7			ug/L	50.0		101	79.9-121			
Surrogate: Toluene-d8	51.0			ug/L	50.0		102	80-120			

Matrix Spike (B1G0604-MS1)

Source: 1102988-06

Prepared & Analyzed: 07/06/11

1,1,2,2-Tetrachloroethane	52.4	1.0	0.16	ug/L	50.0	<1.0	105	76.8-125			
1,1-Dichloroethane	46.8	1.0	0.15	ug/L	50.0	<1.0	93.5	80-125			
1,1-Dichloroethene	42.9	1.0	0.24	ug/L	50.0	<1.0	85.7	80-125			
1,3,5-Trimethylbenzene	48.6	1.0	0.11	ug/L	50.0	<1.0	97.2	75-125			
1,4-Dichlorobenzene	49.3	1.0	0.081	ug/L	50.0	<1.0	98.7	75-125			
2-Chlorotoluene	49.4	1.0	0.081	ug/L	50.0	<1.0	98.7	75-125			
Benzene	50.0	1.0	0.071	ug/L	50.0	<1.0	100	80-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0604 - EPA 5030 Water (Purge and Trap)

Matrix Spike (B1G0604-MS1)

Source: 1102988-06

Prepared & Analyzed: 07/06/11

Bromoform	53.4	5.0	0.26	ug/L	50.0	<5.0	107	80-120			
Chlorobenzene	52.9	1.0	0.20	ug/L	50.0	<1.0	106	80-120			
Chloroform	50.8	1.0	0.15	ug/L	50.0	<1.0	102	79.8-125			
Ethylbenzene	52.2	1.0	0.28	ug/L	50.0	<1.0	104	80-120			
n-Butylbenzene	48.8	2.5	0.15	ug/L	50.0	<2.5	97.5	75-130			
n-Propylbenzene	49.5	1.0	0.094	ug/L	50.0	<1.0	98.9	75-125			
Toluene	51.3	1.0	0.10	ug/L	50.0	<1.0	103	80-120			
Trichloroethene	48.8	1.0	0.18	ug/L	50.0	<1.0	97.7	80-120			
Vinyl chloride	50.7	1.0	0.21	ug/L	50.0	<1.0	101	75-130			
Surrogate: 4-Bromofluorobenzene	50.3			ug/L	50.0		101	80-121			
Surrogate: Dibromofluoromethane	50.0			ug/L	50.0		99.9	79.9-121			
Surrogate: Toluene-d8	49.0			ug/L	50.0		97.9	80-120			

Matrix Spike Dup (B1G0604-MSD1)

Source: 1102988-06

Prepared & Analyzed: 07/06/11

1,1,2,2-Tetrachloroethane	50.4	1.0	0.16	ug/L	50.0	<1.0	101	76.8-125	3.98	20	
1,1-Dichloroethane	48.0	1.0	0.15	ug/L	50.0	<1.0	96.0	80-125	2.59	20	
1,1-Dichloroethene	42.7	1.0	0.24	ug/L	50.0	<1.0	85.4	80-125	0.344	20	
1,3,5-Trimethylbenzene	48.3	1.0	0.11	ug/L	50.0	<1.0	96.5	75-125	0.723	20	
1,4-Dichlorobenzene	49.1	1.0	0.081	ug/L	50.0	<1.0	98.1	75-125	0.535	20	
2-Chlorotoluene	48.5	1.0	0.081	ug/L	50.0	<1.0	97.0	75-125	1.75	20	
Benzene	49.4	1.0	0.071	ug/L	50.0	<1.0	98.8	80-120	1.23	20	
Bromoform	52.0	5.0	0.26	ug/L	50.0	<5.0	104	80-120	2.63	20	
Chlorobenzene	50.7	1.0	0.20	ug/L	50.0	<1.0	101	80-120	4.22	20	
Chloroform	49.1	1.0	0.15	ug/L	50.0	<1.0	98.2	79.8-125	3.43	20	
Ethylbenzene	50.8	1.0	0.28	ug/L	50.0	<1.0	102	80-120	2.81	20	
n-Butylbenzene	48.5	2.5	0.15	ug/L	50.0	<2.5	96.9	75-130	0.611	20	
n-Propylbenzene	48.3	1.0	0.094	ug/L	50.0	<1.0	96.6	75-125	2.41	20	
Toluene	51.0	1.0	0.10	ug/L	50.0	<1.0	102	80-120	0.450	20	
Trichloroethene	48.2	1.0	0.18	ug/L	50.0	<1.0	96.4	80-120	1.36	20	
Vinyl chloride	49.2	1.0	0.21	ug/L	50.0	<1.0	98.5	75-130	2.83	20	
Surrogate: 4-Bromofluorobenzene	51.7			ug/L	50.0		103	80-121			
Surrogate: Dibromofluoromethane	49.5			ug/L	50.0		99.1	79.9-121			
Surrogate: Toluene-d8	49.9			ug/L	50.0		99.8	80-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0515 - General Prep Dept 4

Blank (B1G0515-BLK1)

Prepared: 07/05/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	< 0.043	1.0	0.043	mg/kg wet							
1,3-Dinitrobenzene	< 0.047	1.0	0.047	mg/kg wet							
2,4,6-Trinitrotoluene	< 0.13	1.0	0.13	mg/kg wet							
2,4-Dinitrotoluene	< 0.039	1.0	0.039	mg/kg wet							
2,6-Dinitrotoluene	< 0.089	1.0	0.089	mg/kg wet							
2-Amino-4,6-Dinitrotoluene	< 0.072	1.0	0.072	mg/kg wet							
2-Nitrotoluene	< 0.16	1.0	0.16	mg/kg wet							
3-Nitrotoluene	< 0.24	1.0	0.24	mg/kg wet							
4-Amino-2,6-Dinitrotoluene	< 0.075	1.0	0.075	mg/kg wet							
4-Nitrotoluene	< 0.23	1.0	0.23	mg/kg wet							
HMX	< 0.11	1.0	0.11	mg/kg wet							
Nitrobenzene	< 0.066	1.0	0.066	mg/kg wet							
RDX	< 0.078	1.0	0.078	mg/kg wet							
Tetryl	< 0.17	1.0	0.17	mg/kg wet							
Surrogate: 1,2-Dinitrobenzene	4.94			mg/kg wet	4.97		99.5	70-130			

LCS (B1G0515-BS1)

Prepared: 07/05/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	4.19	0.90	0.039	mg/kg wet	4.51		93.0	70-130			
1,3-Dinitrobenzene	4.58	0.90	0.042	mg/kg wet	4.51		102	70-130			
2,4,6-Trinitrotoluene	4.08	0.90	0.12	mg/kg wet	4.51		90.5	70-130			
2,4-Dinitrotoluene	4.24	0.90	0.035	mg/kg wet	4.51		94.0	70-130			
2,6-Dinitrotoluene	4.33	0.90	0.080	mg/kg wet	4.51		96.0	70-130			
2-Amino-4,6-Dinitrotoluene	4.08	0.90	0.065	mg/kg wet	4.51		90.5	70-130			
2-Nitrotoluene	4.22	0.90	0.14	mg/kg wet	4.51		93.5	70-130			
3-Nitrotoluene	4.42	0.90	0.22	mg/kg wet	4.51		98.0	70-130			
4-Amino-2,6-Dinitrotoluene	4.06	0.90	0.068	mg/kg wet	4.51		90.0	70-130			
4-Nitrotoluene	4.22	0.90	0.21	mg/kg wet	4.51		93.5	70-130			
HMX	4.24	0.90	0.099	mg/kg wet	4.51		94.0	70-130			
Nitrobenzene	4.24	0.90	0.060	mg/kg wet	4.51		94.0	70-130			
RDX	4.26	0.90	0.070	mg/kg wet	4.51		94.5	70-130			
Tetryl	4.40	0.90	0.15	mg/kg wet	4.51		97.5	70-130			
Surrogate: 1,2-Dinitrobenzene	4.31			mg/kg wet	4.51		95.5	70-130			

Matrix Spike (B1G0515-MS1)

Source: 1102924-01

Prepared: 07/05/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	5.34	1.2	0.054	mg/kg dry	6.48	<1.2	82.5	70-130			
1,3-Dinitrobenzene	6.19	1.2	0.059	mg/kg dry	6.48	<1.2	95.5	70-130			
2,4,6-Trinitrotoluene	6.09	1.2	0.16	mg/kg dry	6.48	<1.2	94.0	70-130			
2,4-Dinitrotoluene	5.77	1.2	0.049	mg/kg dry	6.48	<1.2	89.0	70-130			
2,6-Dinitrotoluene	5.73	1.2	0.11	mg/kg dry	6.48	<1.2	88.5	70-130			
2-Amino-4,6-Dinitrotoluene	6.12	1.2	0.090	mg/kg dry	6.48	<1.2	94.5	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G0515 - General Prep Dept 4

Matrix Spike (B1G0515-MS1)

Source: 1102924-01

Prepared: 07/05/11

Analyzed: 07/13/11

2-Nitrotoluene	5.64	1.2	0.20	mg/kg dry	6.48	<1.2	87.0	70-130			
3-Nitrotoluene	5.70	1.2	0.30	mg/kg dry	6.48	<1.2	88.0	70-130			
4-Amino-2,6-Dinitrotoluene	5.86	1.2	0.094	mg/kg dry	6.48	<1.2	90.5	70-130			
4-Nitrotoluene	5.90	1.2	0.29	mg/kg dry	6.48	<1.2	91.0	70-130			
HMX	5.96	1.2	0.14	mg/kg dry	6.48	<1.2	92.0	70-130			
Nitrobenzene	5.67	1.2	0.082	mg/kg dry	6.48	<1.2	87.5	70-130			
RDX	5.99	1.2	0.098	mg/kg dry	6.48	<1.2	92.5	70-130			
Tetryl	< 0.21	1.2	0.21	mg/kg dry	6.48	<1.2		70-130			M2
Surrogate: 1,2-Dinitrobenzene	5.86			mg/kg dry	6.48		90.5	70-130			

Matrix Spike Dup (B1G0515-MSD1)

Source: 1102924-01

Prepared: 07/05/11

Analyzed: 07/13/11

1,3,5-Trinitrobenzene	5.15	1.2	0.054	mg/kg dry	6.13	<1.2	84.0	70-130	3.75	20	
1,3-Dinitrobenzene	5.76	1.2	0.059	mg/kg dry	6.13	<1.2	94.0	70-130	7.13	20	
2,4,6-Trinitrotoluene	5.39	1.2	0.16	mg/kg dry	6.13	<1.2	88.0	70-130	12.1	20	
2,4-Dinitrotoluene	5.52	1.2	0.049	mg/kg dry	6.13	<1.2	90.0	70-130	4.43	20	
2,6-Dinitrotoluene	5.52	1.2	0.11	mg/kg dry	6.13	<1.2	90.0	70-130	3.87	20	
2-Amino-4,6-Dinitrotoluene	5.33	1.2	0.090	mg/kg dry	6.13	<1.2	87.0	70-130	13.8	20	
2-Nitrotoluene	5.33	1.2	0.20	mg/kg dry	6.13	<1.2	87.0	70-130	5.55	20	
3-Nitrotoluene	5.33	1.2	0.30	mg/kg dry	6.13	<1.2	87.0	70-130	6.69	20	
4-Amino-2,6-Dinitrotoluene	5.33	1.2	0.094	mg/kg dry	6.13	<1.2	87.0	70-130	9.49	20	
4-Nitrotoluene	5.42	1.2	0.29	mg/kg dry	6.13	<1.2	88.5	70-130	8.33	20	
HMX	5.49	1.2	0.14	mg/kg dry	6.13	<1.2	89.5	70-130	8.30	20	
Nitrobenzene	5.39	1.2	0.082	mg/kg dry	6.13	<1.2	88.0	70-130	4.98	20	
RDX	5.52	1.2	0.098	mg/kg dry	6.13	<1.2	90.0	70-130	8.28	20	
Tetryl	1.26	1.2	0.21	mg/kg dry	6.13	<1.2	20.6	70-130		20	M2
Surrogate: 1,2-Dinitrobenzene	5.55			mg/kg dry	6.13		90.5	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1107 - General Prep Dept 4

Blank (B1G1107-BLK1)

Prepared: 07/08/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	< 0.19	4.0	0.19	ug/L							
1,3-Dinitrobenzene	< 0.38	4.0	0.38	ug/L							
2,4,6-Trinitrotoluene	< 0.39	4.0	0.39	ug/L							
2,4-Dinitrotoluene	< 0.34	4.0	0.34	ug/L							
2,6-Dinitrotoluene	< 0.57	4.0	0.57	ug/L							
2-Amino-4,6-Dinitrotoluene	< 0.43	4.0	0.43	ug/L							
2-Nitrotoluene	< 0.81	4.0	0.81	ug/L							
3-Nitrotoluene	< 0.61	4.0	0.61	ug/L							
4-Amino-2,6-Dinitrotoluene	< 0.51	4.0	0.51	ug/L							
4-Nitrotoluene	< 1.1	4.0	1.1	ug/L							
HMX	< 0.38	4.0	0.38	ug/L							
Nitrobenzene	< 0.62	4.0	0.62	ug/L							
RDX	< 0.48	4.0	0.48	ug/L							
Tetryl	< 0.62	4.0	0.62	ug/L							
Surrogate: 1,2-Dinitrobenzene	17.2			ug/L	20.0		86.0	70-130			

LCS (B1G1107-BS1)

Prepared: 07/08/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	14.4	4.0	0.19	ug/L	20.0		72.0	70-130			
1,3-Dinitrobenzene	18.2	4.0	0.38	ug/L	20.0		91.0	70-130			
2,4,6-Trinitrotoluene	17.4	4.0	0.39	ug/L	20.0		87.0	70-130			
2,4-Dinitrotoluene	16.6	4.0	0.34	ug/L	20.0		83.0	70-130			
2,6-Dinitrotoluene	16.7	4.0	0.57	ug/L	20.0		83.5	70-130			
2-Amino-4,6-Dinitrotoluene	17.5	4.0	0.43	ug/L	20.0		87.5	70-130			
2-Nitrotoluene	15.5	4.0	0.81	ug/L	20.0		77.5	70-130			
3-Nitrotoluene	15.6	4.0	0.61	ug/L	20.0		78.0	70-130			
4-Amino-2,6-Dinitrotoluene	16.9	4.0	0.51	ug/L	20.0		84.5	70-130			
4-Nitrotoluene	16.4	4.0	1.1	ug/L	20.0		82.0	70-130			
HMX	17.2	4.0	0.38	ug/L	20.0		86.0	70-130			
Nitrobenzene	16.7	4.0	0.62	ug/L	20.0		83.5	70-130			
RDX	17.7	4.0	0.48	ug/L	20.0		88.5	70-130			
Tetryl	7.10	4.0	0.62	ug/L	20.0		35.5	70-130			L2
Surrogate: 1,2-Dinitrobenzene	17.0			ug/L	20.0		85.0	70-130			

LCS Dup (B1G1107-BSD1)

Prepared: 07/08/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	14.3	4.0	0.19	ug/L	20.0		71.5	70-130	0.697	20	
1,3-Dinitrobenzene	17.3	4.0	0.38	ug/L	20.0		86.5	70-130	5.07	20	
2,4,6-Trinitrotoluene	16.6	4.0	0.39	ug/L	20.0		83.0	70-130	4.71	20	
2,4-Dinitrotoluene	16.1	4.0	0.34	ug/L	20.0		80.5	70-130	3.06	20	
2,6-Dinitrotoluene	16.2	4.0	0.57	ug/L	20.0		81.0	70-130	3.04	20	
2-Amino-4,6-Dinitrotoluene	16.8	4.0	0.43	ug/L	20.0		84.0	70-130	4.08	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1107 - General Prep Dept 4

LCS Dup (B1G1107-BSD1)

Prepared: 07/08/11 Analyzed: 07/13/11

2-Nitrotoluene	16.1	4.0	0.81	ug/L	20.0		80.5	70-130	3.80	20	
3-Nitrotoluene	15.4	4.0	0.61	ug/L	20.0		77.0	70-130	1.29	20	
4-Amino-2,6-Dinitrotoluene	15.8	4.0	0.51	ug/L	20.0		79.0	70-130	6.73	20	
4-Nitrotoluene	16.8	4.0	1.1	ug/L	20.0		84.0	70-130	2.41	20	
HMX	16.4	4.0	0.38	ug/L	20.0		82.0	70-130	4.76	20	
Nitrobenzene	15.9	4.0	0.62	ug/L	20.0		79.5	70-130	4.91	20	
RDX	16.9	4.0	0.48	ug/L	20.0		84.5	70-130	4.62	20	
Tetryl	8.70	4.0	0.62	ug/L	20.0		43.5	70-130	20.3	20	L2, R2
Surrogate: 1,2-Dinitrobenzene	16.5			ug/L	20.0		82.5	70-130			

Matrix Spike (B1G1107-MS1)

Source: 1102988-02

Prepared: 07/08/11 Analyzed: 07/13/11

1,3,5-Trinitrobenzene	14.3	4.0	0.19	ug/L	20.0	<4.0	71.5	70-130			
1,3-Dinitrobenzene	17.3	4.0	0.38	ug/L	20.0	<4.0	86.5	70-130			
2,4,6-Trinitrotoluene	16.6	4.0	0.39	ug/L	20.0	<4.0	83.0	70-130			
2,4-Dinitrotoluene	16.1	4.0	0.34	ug/L	20.0	<4.0	80.5	70-130			
2,6-Dinitrotoluene	16.2	4.0	0.57	ug/L	20.0	<4.0	81.0	70-130			
2-Amino-4,6-Dinitrotoluene	16.8	4.0	0.43	ug/L	20.0	<4.0	84.0	70-130			
2-Nitrotoluene	16.1	4.0	0.81	ug/L	20.0	<4.0	80.5	70-130			
3-Nitrotoluene	15.4	4.0	0.61	ug/L	20.0	<4.0	77.0	70-130			
4-Amino-2,6-Dinitrotoluene	15.8	4.0	0.51	ug/L	20.0	<4.0	79.0	70-130			
4-Nitrotoluene	16.8	4.0	1.1	ug/L	20.0	<4.0	84.0	70-130			
HMX	16.4	4.0	0.38	ug/L	20.0	<4.0	82.0	70-130			
Nitrobenzene	15.9	4.0	0.62	ug/L	20.0	<4.0	79.5	70-130			
RDX	16.9	4.0	0.48	ug/L	20.0	<4.0	84.5	70-130			
Tetryl	8.70	4.0	0.62	ug/L	20.0	<4.0	43.5	70-130			QM-11
Surrogate: 1,2-Dinitrobenzene	16.5			ug/L	20.0		82.5	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1102988 Date Reported: 07/18/11
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Notes and Definitions

- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- R2 RPD/RSD exceeded the laboratory acceptance limit. See case narrative.
- QM-11 Spike recovery was outside of laboratory limits
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
- L2 The associated blank spike recovery was below laboratory acceptance limits.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- H3b The trip-blank sample was received and analyzed past holding time.
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody 1102988

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR

Project Number: 15/19-1092.00 48R1 81D

Project Name: WMore East - ABC Line

Sample Origination State MN (use two letter postal state abbreviation)

COC Number: NO 36491

Total Number of Containers: _____

Project Manager: JVE

Project OC Contact: AAN

Sampled by: KCB

Laboratory: Legend

COC / of	Number of Containers/Preservative		Water		Soil	
	OC	Type	Matrix	Type	Matrix	Type
01	715A-T11	0.5 0.5 ft	07/01/2011 08:00	X	X	X
02	FB 713A-T11-0.5	-	0815	X	X	X
03	717A-T12	0.5 0.5 ft	0920	X	X	X
04	FB-717A-T12-0.5	-	0930	X	X	X
05	718C-T11-0.5	0.5 0.5 ft	1100	X	X	X
06	FB-718A-T11-0.5	-	1115	X	X	X
07	M-1	-	-	X	X	X
08	718A-T11	0.5 0.5 ft	1200	X	X	X
09	M-2	-	-	X	X	X
10	Trip Blank	-	-	X	X	X

Relinquished By: White Schnyter

Relinquished Date: 7/1/11

Receiving Date: 7/11/11

Received by: [Signature]

Air Bill Number: _____

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List

#2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

*Xen = COD, TOC, Phenols, Ammonia

TKN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Chain of Custody 1102988

BARR
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 25/19-1092.00 UGR1 S10

Project Name: Umore East-ABC Line

Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: **No 36499**

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type
						Water	Soil	Grab	
1. Trip Blank	-	-	-	07/01/2011	-	XX	XX	XX	XX
2.				7/15/11					
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

Number of Containers/Preservative		COC 2 of 2	
Water	Soil	Project Manager: JVE	Total Number Of Containers
VOCS (unpreserved) #2	VOCS (tared MeOH) #1	Project OC Contact: AAN	Sampled by: KCB
Dissolved Metals (HNO3)	DRO (tared unpreserved)	Laboratory: beyond	Average VOCs
Total Metals (HNO3)	Metals (unpreserved)		
General (unpreserved) #3	SVOCS (unpreserved) #2		
Diesel Range Organics (HCl)	7 Solids (plastic vial, unpres.)		
Nutrients (H2SO4) #4			

Relinquished By: *Justin Schupke*
Date: 7/11/11
Time: 1520
On Ice? Y N
Relinquished By: _____
Date: _____
Time: _____
On Ice? Y N
Samples Shipped VIA: Air Freight Federal Express Sampler
 Other: _____
Air Bill Number: _____

Distribution: White-Original, Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 20, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103058
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 07/08/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "Bach Pham".

Bach Pham
Report Reviewer
bpham@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
108B-SS1_0.5-0.5	1103058-01	Soil	07/07/11 08:00	07/08/11 15:00
108B-SS3_0.5-0.5	1103058-02	Soil	07/07/11 08:30	07/08/11 15:00
101A-SS1_0.5-0.5	1103058-03	Soil	07/07/11 09:30	07/08/11 15:00
501C-SS1_0.5-0.5	1103058-04	Soil	07/07/11 12:35	07/08/11 15:00
FB-1	1103058-05	Water	07/07/11 00:00	07/08/11 15:00
M-1	1103058-06	Soil	07/07/11 00:00	07/08/11 15:00
M-2	1103058-07	Soil	07/07/11 00:00	07/08/11 15:00

Shipping Container Information

Default Cooler Temperature (°C): 6.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

An LCS/LCSD were prepared and analyzed for 8270 batch B1G1306 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

Recoveries for the 8270 surrogates phenol-d6 in sample M-2, and terphenyl-d14 in samples 108B-SS1_0.5-0.5 and 501C-SS1_0.5-0.5 were outside of laboratory limits

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
108B-SS1_0.5-0.5 (1103058-01) Soil Sampled: 07/07/11 08:00 Received: 07/08/11 15:00										
Arsenic	2.0	0.51	0.056	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Barium	20	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	6.6	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	8.3	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G1409	07/14/11	07/14/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
108B-SS3_0.5-0.5 (1103058-02) Soil Sampled: 07/07/11 08:30 Received: 07/08/11 15:00										
Arsenic	5.3	0.56	0.062	mg/kg dry	1	B1G1216	07/12/11	07/13/11	EPA 6010B	
Barium	93	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	14	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	16	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G1409	07/14/11	07/14/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1216	07/12/11	07/13/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
501C-SS1_0.5-0.5 (1103058-04) Soil Sampled: 07/07/11 12:35 Received: 07/08/11 15:00										
Arsenic	5.1	0.58	0.064	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Barium	80	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	0.96	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	14	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	28	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	6.3	1.2	0.22	mg/kg dry	10	B1G1409	07/14/11	07/20/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
FB-1 (1103058-05) Water Sampled: 07/07/11 00:00 Received: 07/08/11 15:00										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G1302	07/13/11	07/13/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2001	07/20/11	07/20/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G1302	07/13/11	07/13/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
M-1 (1103058-06) Soil Sampled: 07/07/11 00:00 Received: 07/08/11 15:00										
Arsenic	1.9	0.51	0.056	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1103058-06) Soil Sampled: 07/07/11 00:00 Received: 07/08/11 15:00										
Barium	21	1.0	0.061	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	7.7	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	8.1	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.093	0.093	0.018	mg/kg dry	1	B1G1409	07/14/11	07/14/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1G1216	07/12/11	07/15/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
101A-SS1_0.5-0.5 (1103058-03) Soil Sampled: 07/07/11 09:30 Received: 07/08/11 15:00										
Aroclor 1016	<0.21	0.21	0.0082	mg/kg dry	1	B1G1110	07/11/11	07/12/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	88.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	97.5			60.9-138 %		"	"	"	"	
501C-SS1_0.5-0.5 (1103058-04) Soil Sampled: 07/07/11 12:35 Received: 07/08/11 15:00										
Aroclor 1016	<0.23	0.23	0.0092	mg/kg dry	1	B1G1110	07/11/11	07/12/11	EPA 8082	
Aroclor 1221	<0.23	0.23	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.23	0.23	0.027	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.23	0.23	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.23	0.23	0.047	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.23	0.23	0.047	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.23	0.23	0.0069	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	94.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	97.0			60.9-138 %		"	"	"	"	
FB-1 (1103058-05) Water Sampled: 07/07/11 00:00 Received: 07/08/11 15:00										
Aroclor 1016	<1.9	1.9	0.25	ug/L	1	B1G1204	07/12/11	07/14/11	EPA 8082	
Aroclor 1221	<1.9	1.9	0.47	ug/L	1	"	"	"	"	
Aroclor 1232	<1.9	1.9	0.21	ug/L	1	"	"	"	"	
Aroclor 1242	<1.9	1.9	0.18	ug/L	1	"	"	"	"	
Aroclor 1248	<1.9	1.9	0.26	ug/L	1	"	"	"	"	
Aroclor 1254	<1.9	1.9	0.40	ug/L	1	"	"	"	"	
Aroclor 1260	<1.9	1.9	0.16	ug/L	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	99.5			65.6-114 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	94.0			58.9-107 %		"	"	"	"	
M-2 (1103058-07) Soil Sampled: 07/07/11 00:00 Received: 07/08/11 15:00										
Aroclor 1016	<0.21	0.21	0.0082	mg/kg dry	1	B1G1110	07/11/11	07/12/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	93.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	97.5			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
108B-SS1_0.5-0.5 (1103058-01) Soil Sampled: 07/07/11 08:00 Received: 07/08/11 15:00										
% Solids	99			%	1	B1G1317	07/13/11	07/13/11	% calculation	
108B-SS3_0.5-0.5 (1103058-02) Soil Sampled: 07/07/11 08:30 Received: 07/08/11 15:00										
% Solids	89			%	1	B1G1317	07/13/11	07/13/11	% calculation	
101A-SS1_0.5-0.5 (1103058-03) Soil Sampled: 07/07/11 09:30 Received: 07/08/11 15:00										
% Solids	96			%	1	B1G1317	07/13/11	07/13/11	% calculation	
501C-SS1_0.5-0.5 (1103058-04) Soil Sampled: 07/07/11 12:35 Received: 07/08/11 15:00										
% Solids	86			%	1	B1G1317	07/13/11	07/13/11	% calculation	
M-1 (1103058-06) Soil Sampled: 07/07/11 00:00 Received: 07/08/11 15:00										
% Solids	99			%	1	B1G1317	07/13/11	07/13/11	% calculation	
M-2 (1103058-07) Soil Sampled: 07/07/11 00:00 Received: 07/08/11 15:00										
% Solids	96			%	1	B1G1317	07/13/11	07/13/11	% calculation	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1103058
Date Reported: 07/20/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
108B-SS1_0.5-0.5 (1103058-01) Soil Sampled: 07/07/11 08:00 Received: 07/08/11 15:00										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
108B-SS1_0.5-0.5 (1103058-01) Soil Sampled: 07/07/11 08:00 Received: 07/08/11 15:00										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	70.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	86.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	77.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	115			51-99.6 %		"	"	"	"	S-GC

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
108B-SS3_0.5-0.5 (1103058-02) Soil Sampled: 07/07/11 08:30 Received: 07/08/11 15:00										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
108B-SS3_0.5-0.5 (1103058-02) Soil Sampled: 07/07/11 08:30 Received: 07/08/11 15:00										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
Benzoic acid	0.42	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	60.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	50.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	56.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	98.1			51-99.6 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1103058
 Date Reported: 07/20/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
101A-SS1_0.5-0.5 (1103058-03) Soil Sampled: 07/07/11 09:30 Received: 07/08/11 15:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
101A-SS1_0.5-0.5 (1103058-03) Soil Sampled: 07/07/11 09:30 Received: 07/08/11 15:00										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	56.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	46.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	50.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501C-SS1_0.5-0.5 (1103058-04) Soil Sampled: 07/07/11 12:35 Received: 07/08/11 15:00										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.045	0.38	0.042	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.28	0.38	0.044	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	0.60	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	1.3	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	1.0	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	1.3	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.51	0.38	0.050	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501C-SS1_0.5-0.5 (1103058-04) Soil Sampled: 07/07/11 12:35 Received: 07/08/11 15:00										
Benzo(k)fluoranthene	0.56	0.38	0.056	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	0.35	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Chrysene	1.4	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.15	0.38	0.050	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.15	0.38	0.038	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	3.0	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	0.31	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.57	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	0.080	0.38	0.038	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	2.7	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	2.7	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	70.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	97.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	91.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	70.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	104			51-99.6 %		"	"	"	"	S-GC

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 510
 Project Manager: Ms. Andrea Nord

Work Order #: 1103058
 Date Reported: 07/20/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-1 (1103058-05) Water Sampled: 07/07/11 00:00 Received: 07/08/11 15:00

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1306	07/13/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1103058-05) Water Sampled: 07/07/11 00:00 Received: 07/08/11 15:00										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1306	07/13/11	07/13/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	1.2	9.3	0.28	ug/L	1	"	"	"	"	J
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	97.9			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	89.6			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.6			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	93.2			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	52.9			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	94.2			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1103058-06) Soil Sampled: 07/07/11 00:00 Received: 07/08/11 15:00										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1103058-06) Soil Sampled: 07/07/11 00:00 Received: 07/08/11 15:00										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	68.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	81.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	61.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	97.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-2 (1103058-07) Soil Sampled: 07/07/11 00:00 Received: 07/08/11 15:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-2 (1103058-07) Soil Sampled: 07/07/11 00:00 Received: 07/08/11 15:00										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1G1304	07/13/11	07/14/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	54.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	43.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	58.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	47.7			50.4-99.6 %		"	"	"	"	S-GC
Surrogate: Terphenyl-d14	82.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
108B-SS1_0.5-0.5 (1103058-01) Soil Sampled: 07/07/11 08:00 Received: 07/08/11 15:00										
Flashpoint	>140			°F	1	B1G2028	07/19/11	07/19/11	EPA 1010A/ASTM D93(M)	
108B-SS3_0.5-0.5 (1103058-02) Soil Sampled: 07/07/11 08:30 Received: 07/08/11 15:00										
Flashpoint	>140			°F	1	B1G2028	07/19/11	07/19/11	EPA 1010A/ASTM D93(M)	
M-1 (1103058-06) Soil Sampled: 07/07/11 00:00 Received: 07/08/11 15:00										
Flashpoint	>140			°F	1	B1G2027	07/20/11	07/20/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1216 - EPA 3050B

Blank (B1G1216-BLK1)

Prepared: 07/12/11 Analyzed: 07/13/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G1216-BS1)

Prepared: 07/12/11 Analyzed: 07/13/11

Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	41.4	1.0	0.060	mg/kg wet	39.9		104	80-120			
Cadmium	41.4	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	42.0	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	42.4	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	41.0	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.15	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1G1216-BSD1)

Prepared: 07/12/11 Analyzed: 07/13/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120	1.25	20	
Barium	41.4	1.0	0.060	mg/kg wet	39.9		104	80-120	0.0105	20	
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120	0.728	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		105	80-120	0.584	20	
Lead	42.1	1.0	0.14	mg/kg wet	39.9		105	80-120	0.786	20	
Selenium	40.8	1.0	0.095	mg/kg wet	39.9		102	80-120	0.662	20	
Silver	4.14	0.25	0.016	mg/kg wet	3.99		104	80-120	0.256	20	

Matrix Spike (B1G1216-MS1)

Source: 1103058-02

Prepared: 07/12/11 Analyzed: 07/13/11

Arsenic	46.7	0.56	0.062	mg/kg dry	43.9	5.25	94.6	75-125			
Barium	136	1.1	0.067	mg/kg dry	43.9	93.2	98.0	75-125			
Cadmium	43.0	0.28	0.037	mg/kg dry	43.9	<0.28	97.7	75-125			
Chromium	57.9	0.56	0.013	mg/kg dry	43.9	14.3	99.5	75-125			
Lead	58.2	1.1	0.16	mg/kg dry	43.9	16.0	96.2	75-125			
Selenium	40.9	1.1	0.11	mg/kg dry	43.9	<1.1	93.2	75-125			
Silver	4.15	0.28	0.018	mg/kg dry	4.39	<0.28	94.7	75-125			

Matrix Spike Dup (B1G1216-MSD1)

Source: 1103058-02

Prepared: 07/12/11 Analyzed: 07/13/11

Arsenic	46.4	0.56	0.062	mg/kg dry	43.5	5.25	94.6	75-125	0.734	20	
Barium	138	1.1	0.067	mg/kg dry	43.5	93.2	102	75-125	1.08	20	
Cadmium	43.0	0.28	0.037	mg/kg dry	43.5	<0.28	98.6	75-125	0.125	20	
Chromium	60.8	0.56	0.013	mg/kg dry	43.5	14.3	107	75-125	4.81	20	
Lead	55.3	1.1	0.16	mg/kg dry	43.5	16.0	90.3	75-125	5.13	20	
Selenium	40.5	1.1	0.11	mg/kg dry	43.5	<1.1	93.0	75-125	0.933	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1216 - EPA 3050B

Matrix Spike Dup (B1G1216-MSD1)

Source: 1103058-02

Prepared: 07/12/11 Analyzed: 07/13/11

Silver	4.15	0.28	0.018	mg/kg dry	4.35	<0.28	95.4	75-125	0.0412	20	
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Batch B1G1302 - EPA 200.7/3005A Digestion

Blank (B1G1302-BLK1)

Prepared & Analyzed: 07/13/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1G1302-BS1)

Prepared & Analyzed: 07/13/11

Arsenic	0.420	0.010	0.0011	mg/L	0.399		105	80-120			
Barium	0.420	0.020	0.0012	mg/L	0.399		105	80-120			
Cadmium	0.430	0.0010	0.00013	mg/L	0.399		108	80-120			
Chromium	0.433	0.010	0.00024	mg/L	0.399		109	80-120			
Lead	0.437	0.0030	0.00042	mg/L	0.399		110	80-120			
Selenium	0.420	0.020	0.0019	mg/L	0.399		105	80-120			
Silver	0.0433	0.0050	0.00031	mg/L	0.0399		108	80-120			

LCS Dup (B1G1302-BSD1)

Prepared & Analyzed: 07/13/11

Arsenic	0.418	0.010	0.0011	mg/L	0.399		105	80-120	0.483	20	
Barium	0.426	0.020	0.0012	mg/L	0.399		107	80-120	1.44	20	
Cadmium	0.427	0.0010	0.00013	mg/L	0.399		107	80-120	0.709	20	
Chromium	0.430	0.010	0.00024	mg/L	0.399		108	80-120	0.629	20	
Lead	0.434	0.0030	0.00042	mg/L	0.399		109	80-120	0.766	20	
Selenium	0.417	0.020	0.0019	mg/L	0.399		105	80-120	0.686	20	
Silver	0.0429	0.0050	0.00031	mg/L	0.0399		107	80-120	0.944	20	

Matrix Spike (B1G1302-MS1)

Source: 1103058-05

Prepared & Analyzed: 07/13/11

Arsenic	0.409	0.010	0.0011	mg/L	0.399	<0.010	102	75-125			
Barium	0.416	0.020	0.0012	mg/L	0.399	<0.020	104	75-125			
Cadmium	0.417	0.0010	0.00013	mg/L	0.399	<0.0010	105	75-125			
Chromium	0.421	0.010	0.00024	mg/L	0.399	<0.010	106	75-125			
Lead	0.426	0.0030	0.00042	mg/L	0.399	<0.0030	107	75-125			
Selenium	0.407	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0426	0.0050	0.00031	mg/L	0.0399	<0.0050	107	75-125			

Matrix Spike Dup (B1G1302-MSD1)

Source: 1103058-05

Prepared & Analyzed: 07/13/11

Arsenic	0.413	0.010	0.0011	mg/L	0.399	<0.010	103	75-125	1.16	20	
Barium	0.420	0.020	0.0012	mg/L	0.399	<0.020	105	75-125	0.915	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1302 - EPA 200.7/3005A Digestion											
Matrix Spike Dup (B1G1302-MSD1)			Source: 1103058-05			Prepared & Analyzed: 07/13/11					
Cadmium	0.423	0.0010	0.00013	mg/L	0.399	<0.0010	106	75-125	1.35	20	
Chromium	0.426	0.010	0.00024	mg/L	0.399	<0.010	107	75-125	1.12	20	
Lead	0.429	0.0030	0.00042	mg/L	0.399	<0.0030	108	75-125	0.804	20	
Selenium	0.413	0.020	0.0019	mg/L	0.399	<0.020	104	75-125	1.39	20	
Silver	0.0423	0.0050	0.00031	mg/L	0.0399	<0.0050	106	75-125	0.787	20	
Batch B1G1409 - EPA 7471A											
Blank (B1G1409-BLK1)						Prepared & Analyzed: 07/14/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G1409-BS1)						Prepared & Analyzed: 07/14/11					
Mercury	0.221	0.10	0.019	mg/kg wet	0.200		110	80-120			
LCS Dup (B1G1409-BSD1)						Prepared & Analyzed: 07/14/11					
Mercury	0.217	0.10	0.019	mg/kg wet	0.200		108	80-120	1.83	20	
Matrix Spike (B1G1409-MS1)			Source: 1103058-02			Prepared & Analyzed: 07/14/11					
Mercury	0.253	0.11	0.021	mg/kg dry	0.222	<0.11	97.7	75-125			
Matrix Spike Dup (B1G1409-MSD1)			Source: 1103058-02			Prepared & Analyzed: 07/14/11					
Mercury	0.272	0.11	0.021	mg/kg dry	0.223	<0.11	106	75-125	7.27	20	
Batch B1G2001 - EPA 245.1/7470A Digestion											
Blank (B1G2001-BLK1)						Prepared & Analyzed: 07/20/11					
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1G2001-BS1)						Prepared & Analyzed: 07/20/11					
Mercury	0.00185	0.00020	0.000037	mg/L	0.00200		92.5	80-120			
LCS Dup (B1G2001-BSD1)						Prepared & Analyzed: 07/20/11					
Mercury	0.00183	0.00020	0.000037	mg/L	0.00200		91.5	80-120	1.09	20	
Matrix Spike (B1G2001-MS1)			Source: 1103058-05			Prepared & Analyzed: 07/20/11					
Mercury	0.00185	0.00020	0.000037	mg/L	0.00200	<0.00020	92.5	75-125			
Matrix Spike Dup (B1G2001-MSD1)			Source: 1103058-05			Prepared & Analyzed: 07/20/11					
Mercury	0.00187	0.00020	0.000037	mg/L	0.00200	<0.00020	93.5	75-125	1.08	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1110 - EPA 3545 ASE Extraction

Blank (B1G1110-BLK1)

Prepared: 07/11/11 Analyzed: 07/12/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0660			mg/kg wet	0.0667		99.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0610			mg/kg wet	0.0667		91.5	60.9-138			

LCS (B1G1110-BS1)

Prepared: 07/11/11 Analyzed: 07/12/11

Aroclor 1260	0.337	0.20	0.0059	mg/kg wet	0.333		101	70-130			
Surrogate: Decachlorobiphenyl	0.0660			mg/kg wet	0.0667		99.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0610			mg/kg wet	0.0667		91.5	60.9-138			

Matrix Spike (B1G1110-MS1)

Source: 1102962-02

Prepared: 07/11/11 Analyzed: 07/12/11

Aroclor 1260	0.352	0.20	0.0060	mg/kg dry	0.344	<0.20	102	70-130			
Surrogate: Decachlorobiphenyl	0.0685			mg/kg dry	0.0688		99.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0630			mg/kg dry	0.0688		91.5	60.9-138			

Matrix Spike Dup (B1G1110-MSD1)

Source: 1102962-02

Prepared: 07/11/11 Analyzed: 07/12/11

Aroclor 1260	0.354	0.20	0.0060	mg/kg dry	0.340	<0.20	104	70-130	0.508	17.2	
Surrogate: Decachlorobiphenyl	0.0680			mg/kg dry	0.0680		100	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0633			mg/kg dry	0.0680		93.0	60.9-138			

Batch B1G1204 - EPA 3510C (Sep Funnel)

Blank (B1G1204-BLK1)

Prepared: 07/12/11 Analyzed: 07/14/11

Aroclor 1016	< 2.0	2.0	0.27	ug/L							
Aroclor 1221	< 2.0	2.0	0.51	ug/L							
Aroclor 1232	< 2.0	2.0	0.23	ug/L							
Aroclor 1242	< 2.0	2.0	0.19	ug/L							
Aroclor 1248	< 2.0	2.0	0.28	ug/L							
Aroclor 1254	< 2.0	2.0	0.43	ug/L							
Aroclor 1260	< 2.0	2.0	0.17	ug/L							
Surrogate: Decachlorobiphenyl	0.880			ug/L	1.00		88.0	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.830			ug/L	1.00		83.0	58.9-107			

LCS (B1G1204-BS1)

Prepared: 07/12/11 Analyzed: 07/14/11

Aroclor 1260	4.29	2.0	0.17	ug/L	5.00		85.8	70-130			
Surrogate: Decachlorobiphenyl	0.895			ug/L	1.00		89.5	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.895			ug/L	1.00		89.5	58.9-107			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1204 - EPA 3510C (Sep Funnel)											
Matrix Spike (B1G1204-MS1)											
	Source: 1103019-01					Prepared: 07/12/11		Analyzed: 07/14/11			
Aroclor 1260	3.74	1.9	0.16	ug/L	4.63	<1.9	80.8	70-130			
Surrogate: Decachlorobiphenyl	0.829			ug/L	0.926		89.5	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.782			ug/L	0.926		84.5	58.9-107			
Matrix Spike Dup (B1G1204-MSD1)											
	Source: 1103019-01					Prepared: 07/12/11		Analyzed: 07/14/11			
Aroclor 1260	3.47	1.9	0.16	ug/L	4.63	<1.9	74.9	70-130	7.58	15.9	
Surrogate: Decachlorobiphenyl	0.764			ug/L	0.926		82.5	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.750			ug/L	0.926		81.0	58.9-107			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G1317 - General Preparation												
Duplicate (B1G1317-DUP1)							Source: 1103021-03					Prepared & Analyzed: 07/13/11
% Solids	77.0			%		78.0			1.29	20		
Duplicate (B1G1317-DUP2)							Source: 1103058-04					Prepared & Analyzed: 07/13/11
% Solids	86.0			%		86.0			0.00	20		
Duplicate (B1G1317-DUP3)							Source: 1103079-01					Prepared & Analyzed: 07/13/11
% Solids	77.0			%		74.0			3.97	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1304 - EPA 3545 ASE Extraction

Blank (B1G1304-BLK1)

Prepared: 07/13/11 Analyzed: 07/14/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1304 - EPA 3545 ASE Extraction

Blank (B1G1304-BLK1)

Prepared: 07/13/11 Analyzed: 07/14/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.84			mg/kg wet	6.67		72.5	53-107			
Surrogate: 2-Fluorobiphenyl	3.77			mg/kg wet	6.67		56.5	53.9-97.9			
Surrogate: 2-Fluorophenol	3.77			mg/kg wet	6.67		56.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.99			mg/kg wet	6.67		59.8	48.9-100			
Surrogate: Phenol-d6	4.15			mg/kg wet	6.67		62.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.07			mg/kg wet	6.67		61.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1304 - EPA 3545 ASE Extraction

LCS (B1G1304-BS1)

Prepared & Analyzed: 07/13/11

1,2,4-Trichlorobenzene	4.13	0.33	0.031	mg/kg wet	6.67		62.0	59.1-87.7			
1,4-Dichlorobenzene	3.80	0.33	0.029	mg/kg wet	6.67		57.0	50.3-72.9			
2,4-Dinitrotoluene	4.36	0.33	0.035	mg/kg wet	6.67		65.5	59.8-82.2			
2-Chlorophenol	4.67	0.67	0.060	mg/kg wet	6.67		70.0	59.7-77.3			
4-Chloro-3-methylphenol	4.86	0.67	0.066	mg/kg wet	6.67		72.9	63.6-80.4			
4-Nitrophenol	4.90	0.67	0.093	mg/kg wet	6.67		73.5	57.3-84.9			
Anthracene	4.69	0.33	0.036	mg/kg wet	6.67		70.3	67.3-88			
Benzo(a)anthracene	4.93	0.33	0.041	mg/kg wet	6.67		73.9	66.5-90.5			
Benzo(a)pyrene	4.90	0.33	0.042	mg/kg wet	6.67		73.5	66.1-89.7			
Chrysene	4.97	0.33	0.044	mg/kg wet	6.67		74.6	65.5-90.5			
Fluoranthene	4.85	0.33	0.039	mg/kg wet	6.67		72.7	66.7-89.9			
Fluorene	4.44	0.33	0.035	mg/kg wet	6.67		66.5	66.2-85.6			
N-Nitrosodi-n-propylamine	4.38	0.33	0.033	mg/kg wet	6.67		65.7	59.4-78			
Pentachlorophenol	4.98	0.67	0.078	mg/kg wet	6.67		74.6	46.7-83.2			
Phenanthrene	4.81	0.33	0.036	mg/kg wet	6.67		72.1	67.5-87.9			
Phenol	4.18	0.67	0.069	mg/kg wet	6.67		62.7	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.85			mg/kg wet	6.67		72.7	53-107			
Surrogate: 2-Fluorobiphenyl	3.95			mg/kg wet	6.67		59.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.01			mg/kg wet	6.67		60.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.18			mg/kg wet	6.67		62.7	48.9-100			
Surrogate: Phenol-d6	4.51			mg/kg wet	6.67		67.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.22			mg/kg wet	6.67		63.3	51-99.6			

Matrix Spike (B1G1304-MS1)

Source: 1102981-02

Prepared: 07/13/11 Analyzed: 07/14/11

1,2,4-Trichlorobenzene	5.27	0.45	0.042	mg/kg dry	9.18	<0.45	57.4	44.8-97.9			
1,4-Dichlorobenzene	5.05	0.45	0.040	mg/kg dry	9.18	<0.45	55.0	42.3-77.9			
2,4-Dinitrotoluene	7.43	0.45	0.048	mg/kg dry	9.18	<0.45	81.0	57.3-86.6			
2-Chlorophenol	5.56	0.92	0.082	mg/kg dry	9.18	<0.92	60.6	43.3-93.2			
4-Chloro-3-methylphenol	6.89	0.92	0.090	mg/kg dry	9.18	<0.92	75.1	47.1-97.6			
4-Nitrophenol	7.61	0.92	0.13	mg/kg dry	9.18	<0.92	83.0	49.3-96.2			
Anthracene	8.22	0.45	0.049	mg/kg dry	9.18	<0.45	89.6	67.5-93.1			
Benzo(a)anthracene	8.09	0.45	0.056	mg/kg dry	9.18	<0.45	88.2	59.8-95.7			
Benzo(a)pyrene	8.29	0.45	0.058	mg/kg dry	9.18	<0.45	90.3	59.8-92.7			
Chrysene	8.08	0.45	0.060	mg/kg dry	9.18	<0.45	88.1	62.5-94.6			
Fluoranthene	8.34	0.45	0.053	mg/kg dry	9.18	<0.45	90.9	61.3-92.8			
Fluorene	7.59	0.45	0.048	mg/kg dry	9.18	<0.45	82.8	62.8-92.6			
N-Nitrosodi-n-propylamine	5.80	0.45	0.045	mg/kg dry	9.18	<0.45	63.3	46.9-89.9			
Pentachlorophenol	6.56	0.92	0.11	mg/kg dry	9.18	<0.92	71.5	40.1-95.1			
Phenanthrene	8.14	0.45	0.049	mg/kg dry	9.18	<0.45	88.7	65.2-92.2			
Phenol	5.81	0.92	0.095	mg/kg dry	9.18	<0.92	63.3	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1304 - EPA 3545 ASE Extraction

Matrix Spike (B1G1304-MS1)

Source: 1102981-02

Prepared: 07/13/11 Analyzed: 07/14/11

Surrogate: 2,4,6-Tribromophenol	7.65			mg/kg dry	9.18		83.4	53-107			
Surrogate: 2-Fluorobiphenyl	6.33			mg/kg dry	9.18		69.0	53.9-97.9			
Surrogate: 2-Fluorophenol	5.61			mg/kg dry	9.18		61.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.65			mg/kg dry	9.18		61.6	48.9-100			
Surrogate: Phenol-d6	6.02			mg/kg dry	9.18		65.7	50.4-99.6			
Surrogate: Terphenyl-d14	7.18			mg/kg dry	9.18		78.2	51-99.6			

Matrix Spike Dup (B1G1304-MSD1)

Source: 1102981-02

Prepared: 07/13/11 Analyzed: 07/14/11

1,2,4-Trichlorobenzene	5.18	0.45	0.042	mg/kg dry	9.16	<0.45	56.5	44.8-97.9	1.70	19.6	
1,4-Dichlorobenzene	4.94	0.45	0.040	mg/kg dry	9.16	<0.45	54.0	42.3-77.9	2.08	22.4	
2,4-Dinitrotoluene	7.46	0.45	0.048	mg/kg dry	9.16	<0.45	81.5	57.3-86.6	0.421	19.5	
2-Chlorophenol	5.48	0.92	0.082	mg/kg dry	9.16	<0.92	59.9	43.3-93.2	1.37	23.7	
4-Chloro-3-methylphenol	6.96	0.92	0.090	mg/kg dry	9.16	<0.92	76.0	47.1-97.6	1.02	18.3	
4-Nitrophenol	7.63	0.92	0.13	mg/kg dry	9.16	<0.92	83.4	49.3-96.2	0.251	20.4	
Anthracene	8.17	0.45	0.049	mg/kg dry	9.16	<0.45	89.2	67.5-93.1	0.607	19.9	
Benzo(a)anthracene	8.09	0.45	0.056	mg/kg dry	9.16	<0.45	88.4	59.8-95.7	0.0153	23.4	
Benzo(a)pyrene	8.26	0.45	0.058	mg/kg dry	9.16	<0.45	90.2	59.8-92.7	0.337	21.1	
Chrysene	8.13	0.45	0.060	mg/kg dry	9.16	<0.45	88.8	62.5-94.6	0.628	24.8	
Fluoranthene	8.32	0.45	0.053	mg/kg dry	9.16	<0.45	90.9	61.3-92.8	0.260	21.8	
Fluorene	7.58	0.45	0.048	mg/kg dry	9.16	<0.45	82.8	62.8-92.6	0.125	17.6	
N-Nitrosodi-n-propylamine	5.75	0.45	0.045	mg/kg dry	9.16	<0.45	62.8	46.9-89.9	0.870	18.9	
Pentachlorophenol	6.63	0.92	0.11	mg/kg dry	9.16	<0.92	72.4	40.1-95.1	1.01	19.7	
Phenanthrene	8.15	0.45	0.049	mg/kg dry	9.16	<0.45	89.0	65.2-92.2	0.121	20.5	
Phenol	5.76	0.92	0.095	mg/kg dry	9.16	<0.92	62.9	44.7-91	0.868	17.9	
Surrogate: 2,4,6-Tribromophenol	7.55			mg/kg dry	9.16		82.5	53-107			
Surrogate: 2-Fluorobiphenyl	6.15			mg/kg dry	9.16		67.1	53.9-97.9			
Surrogate: 2-Fluorophenol	5.45			mg/kg dry	9.16		59.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.50			mg/kg dry	9.16		60.0	48.9-100			
Surrogate: Phenol-d6	5.88			mg/kg dry	9.16		64.2	50.4-99.6			
Surrogate: Terphenyl-d14	7.14			mg/kg dry	9.16		78.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1306 - EPA 3510C (Sep Funnel)

Blank (B1G1306-BLK1)

Prepared & Analyzed: 07/13/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1306 - EPA 3510C (Sep Funnel)

Blank (B1G1306-BLK1)

Prepared & Analyzed: 07/13/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	97.8			ug/L	100		97.8	30-122			
Surrogate: 2-Fluorobiphenyl	93.6			ug/L	100		93.6	39.2-104			
Surrogate: 2-Fluorophenol	68.3			ug/L	100		68.3	30-80.1			
Surrogate: Nitrobenzene-d5	99.9			ug/L	100		99.9	51.2-103			
Surrogate: Phenol-d6	63.1			ug/L	100		63.1	30-75.3			
Surrogate: Terphenyl-d14	93.8			ug/L	100		93.8	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1306 - EPA 3510C (Sep Funnel)

LCS (B1G1306-BS1)

Prepared & Analyzed: 07/13/11

1,2,4-Trichlorobenzene	69.6	10	0.30	ug/L	100		69.6	47.4-88.7			
1,4-Dichlorobenzene	72.6	10	0.29	ug/L	100		72.6	39.5-81			
2,4-Dinitrotoluene	83.8	10	0.45	ug/L	100		83.8	67.2-99.3			
2-Chlorophenol	74.4	10	0.39	ug/L	100		74.4	56.5-85.9			
4-Chloro-3-methylphenol	81.7	10	0.48	ug/L	100		81.7	62.1-98.2			
4-Nitrophenol	74.5	10	0.78	ug/L	100		74.5	40.5-98.5			
Anthracene	85.3	10	0.56	ug/L	100		85.3	70.6-95.3			
Benzo(a)anthracene	90.7	10	0.50	ug/L	100		90.7	73.7-96.6			
Benzo(a)pyrene	90.0	10	0.41	ug/L	100		90.0	70.9-92.6			
Chrysene	92.1	10	0.61	ug/L	100		92.1	71.8-97.5			
Fluoranthene	84.8	10	0.61	ug/L	100		84.8	73.6-96.8			
Fluorene	74.9	10	0.52	ug/L	100		74.9	69.3-93.3			
N-Nitrosodi-n-propylamine	82.3	10	0.25	ug/L	100		82.3	65.9-89.3			
Pentachlorophenol	91.8	10	0.90	ug/L	100		91.8	55-107			
Phenanthrene	88.0	10	0.35	ug/L	100		88.0	72.5-97.6			
Phenol	56.3	10	0.41	ug/L	100		56.3	34.1-71.6			
Surrogate: 2,4,6-Tribromophenol	93.4			ug/L	100		93.4	30-122			
Surrogate: 2-Fluorobiphenyl	93.4			ug/L	100		93.4	39.2-104			
Surrogate: 2-Fluorophenol	70.0			ug/L	100		70.0	30-80.1			
Surrogate: Nitrobenzene-d5	103			ug/L	100		103	51.2-103			
Surrogate: Phenol-d6	64.6			ug/L	100		64.6	30-75.3			
Surrogate: Terphenyl-d14	106			ug/L	100		106	30-116			

LCS Dup (B1G1306-BSD1)

Prepared & Analyzed: 07/13/11

Q9, QM-10

1,2,4-Trichlorobenzene	67.1	10	0.30	ug/L	100		67.1	47.4-88.7	3.57	20	
1,4-Dichlorobenzene	71.3	10	0.29	ug/L	100		71.3	39.5-81	1.90	20	
2,4-Dinitrotoluene	85.1	10	0.45	ug/L	100		85.1	67.2-99.3	1.53	20	
2-Chlorophenol	75.1	10	0.39	ug/L	100		75.1	56.5-85.9	1.02	20	
4-Chloro-3-methylphenol	83.1	10	0.48	ug/L	100		83.1	62.1-98.2	1.69	20	
4-Nitrophenol	75.4	10	0.78	ug/L	100		75.4	40.5-98.5	1.16	20	
Anthracene	85.6	10	0.56	ug/L	100		85.6	70.6-95.3	0.375	20	
Benzo(a)anthracene	90.6	10	0.50	ug/L	100		90.6	73.7-96.6	0.105	20	
Benzo(a)pyrene	90.2	10	0.41	ug/L	100		90.2	70.9-92.6	0.227	20	
Chrysene	92.4	10	0.61	ug/L	100		92.4	71.8-97.5	0.304	20	
Fluoranthene	86.5	10	0.61	ug/L	100		86.5	73.6-96.8	1.97	20	
Fluorene	76.0	10	0.52	ug/L	100		76.0	69.3-93.3	1.53	20	
N-Nitrosodi-n-propylamine	83.2	10	0.25	ug/L	100		83.2	65.9-89.3	1.11	20	
Pentachlorophenol	91.0	10	0.90	ug/L	100		91.0	55-107	0.815	20	
Phenanthrene	87.9	10	0.35	ug/L	100		87.9	72.5-97.6	0.158	20	
Phenol	56.4	10	0.41	ug/L	100		56.4	34.1-71.6	0.311	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1306 - EPA 3510C (Sep Funnel)											
LCS Dup (B1G1306-BSD1)											
					Prepared & Analyzed: 07/13/11						Q9, QM-10
Surrogate: 2,4,6-Tribromophenol	92.4			ug/L	100		92.4	30-122			
Surrogate: 2-Fluorobiphenyl	92.0			ug/L	100		92.0	39.2-104			
Surrogate: 2-Fluorophenol	69.1			ug/L	100		69.1	30-80.1			
Surrogate: Nitrobenzene-d5	103			ug/L	100		103	51.2-103			
Surrogate: Phenol-d6	64.6			ug/L	100		64.6	30-75.3			
Surrogate: Terphenyl-d14	104			ug/L	100		104	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2027 - General Prep											
Duplicate (B1G2027-DUP1)		Source: 1103058-06				Prepared & Analyzed: 07/20/11					
Flashpoint	>140			°F		>140				5	
Reference (B1G2027-SRM1)											
Reference (B1G2027-SRM1)						Prepared & Analyzed: 07/20/11					
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			
Batch B1G2028 - General Prep											
Duplicate (B1G2028-DUP1)		Source: 1103058-02				Prepared & Analyzed: 07/19/11					
Flashpoint	>140			°F		>140				5	
Reference (B1G2028-SRM1)											
Reference (B1G2028-SRM1)						Prepared & Analyzed: 07/19/11					
Flashpoint	78.0			°F	78.0		100	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103058 Date Reported: 07/20/11
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Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
QM-10	LCS/LCSD were analyzed in place of MS/MSD.
Q9	Insufficient sample received to meet method QC requirements.
J	Parameter was present between the MDL and RL and should be considered an estimated value
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 1103058

Project Number: 23/19-1092 48RE 510
Project Name: Unrefined - ABL Loe
Sample Origination State: MN (use two letter postal state abbreviation)
COC Number: **NO 36503**

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type	On Ice?	Date	Time
						Water	Soil	Gravel				
1. 106B-SS10	0.6	0.5	ft	7/7/2014	8:00	X	X	X	QC		7/8/11	15:00
2. 106B-SS3	0.5	0.5			8:30	X	X	X	Comp			
3. 101A-SS1	0.5	0.5			9:30	X	X	X	Grav			
4. SO1C-SS1	0.5	0.5	↓		12:35	X	X	X				
5. FB-1	-	-	-		-	X						
6. M-1	-	-	-		-	X	X	X				
7. M-2	-	-	-		-	X	X	X				
8.												
9.												
10.												

Number of Containers/Preservative: **1 of 3**

Project Manager: **JME**
Project QC Contact: **MAAN**
Sampled by: **ADN**
Laboratory: **Legend**

Analysis for PCBs, SVOCs, Pesticides
Analysis for SVOCs, PCBs
Analysis for PCBs, SVOCs, Pesticides
Analysis for PCBs, SVOCs, Pesticides
Analysis for PCBs, SVOCs, Pesticides

Received by: **Kelley Let** Date: **7/8/11** Time: **15:00**

Relinquished by: **[Signature]** Date: **7/8/11** Time: **15:00**

Relinquished by: **[Signature]** Date: **7/8/11** Time: **15:00**

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GRG, TPH, 8260 Fuel Lix
#2 - Semivolatile Organics = PAHs, PCB, Dioxin, 8270 Fuel Lix, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator **6.2C**



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

August 01, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103068
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 07/08/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of the original report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103068 Date Reported: 08/01/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GC-SS4_0.5-0.5	1103068-01	Soil	07/07/11 16:00	07/08/11 15:00
GC-SS4-White_0.5-0.5	1103068-02	Soil	07/07/11 16:00	07/08/11 15:00

Shipping Container Information

Default Cooler Temperature (°C): 6.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

LCS/LCSD were prepared and analyzed for the batch B1G2904 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

At the client's request, this report was revised on August 1, 2011 to include a second sample for SVOC analysis. The client instructed the laboratory to create the second sample by sub-sampling the first sample using more of the white material present along with some of the soil.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103068 Date Reported: 08/01/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS4-White_0.5-0.5 (1103068-02) Soil										H4
Sampled: 07/07/11 16:00										
Received: 07/08/11 15:00										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg wet	1	B1G2904	07/29/11	07/29/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg wet	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg wet	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.078	0.67	0.078	mg/kg wet	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.67	0.037	mg/kg wet	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.080	0.67	0.080	mg/kg wet	1	"	"	"	"	
2,4-Dichlorophenol	<0.075	0.67	0.075	mg/kg wet	1	"	"	"	"	
2,4-Dimethylphenol	<0.080	0.67	0.080	mg/kg wet	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.67	0.032	mg/kg wet	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg wet	1	"	"	"	"	
2,6-Dichlorophenol	<0.069	0.67	0.069	mg/kg wet	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg wet	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg wet	1	"	"	"	"	
2-Chlorophenol	<0.060	0.67	0.060	mg/kg wet	1	"	"	"	"	
2-Methylnaphthalene	0.15	0.33	0.036	mg/kg wet	1	"	"	"	"	J
2-Methylphenol	<0.034	0.67	0.034	mg/kg wet	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg wet	1	"	"	"	"	
2-Nitrophenol	<0.085	0.67	0.085	mg/kg wet	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.67	0.032	mg/kg wet	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg wet	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg wet	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.67	0.034	mg/kg wet	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg wet	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.066	0.67	0.066	mg/kg wet	1	"	"	"	"	
4-Chloroaniline	<0.027	0.67	0.027	mg/kg wet	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg wet	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg wet	1	"	"	"	"	
4-Nitrophenol	<0.093	0.67	0.093	mg/kg wet	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg wet	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg wet	1	"	"	"	"	
Aniline	<0.031	0.67	0.031	mg/kg wet	1	"	"	"	"	
Anthracene	0.080	0.33	0.036	mg/kg wet	1	"	"	"	"	J
Benzidine	<0.19	2.5	0.19	mg/kg wet	1	"	"	"	"	
Benzo(a)anthracene	0.13	0.33	0.041	mg/kg wet	1	"	"	"	"	J
Benzo(a)pyrene	0.10	0.33	0.042	mg/kg wet	1	"	"	"	"	J
Benzo(b)fluoranthene	0.14	0.33	0.043	mg/kg wet	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103068 Date Reported: 08/01/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS4-White_0.5-0.5 (1103068-02) Soil										H4
Sampled: 07/07/11 16:00 Received: 07/08/11 15:00										
Benzo(g,h,i)perylene	0.060	0.33	0.043	mg/kg wet	1	B1G2904	07/29/11	07/29/11	EPA 8270C	J
Benzo(k)fluoranthene	0.052	0.33	0.048	mg/kg wet	1	"	"	"	"	J
Benzoic acid	<0.024	0.33	0.024	mg/kg wet	1	"	"	"	"	
Benzyl alcohol	<0.095	0.67	0.095	mg/kg wet	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg wet	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg wet	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg wet	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	0.092	0.33	0.048	mg/kg wet	1	"	"	"	"	J
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg wet	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg wet	1	"	"	"	"	
Chrysene	0.14	0.33	0.044	mg/kg wet	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg wet	1	"	"	"	"	
Dibenzofuran	0.084	0.33	0.033	mg/kg wet	1	"	"	"	"	J
Diethyl phthalate	<0.031	0.33	0.031	mg/kg wet	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg wet	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg wet	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg wet	1	"	"	"	"	
Fluoranthene	0.18	0.33	0.039	mg/kg wet	1	"	"	"	"	J
Fluorene	<0.035	0.33	0.035	mg/kg wet	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg wet	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg wet	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg wet	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.056	0.33	0.040	mg/kg wet	1	"	"	"	"	J
Isophorone	<0.031	0.33	0.031	mg/kg wet	1	"	"	"	"	
Naphthalene	0.060	0.33	0.033	mg/kg wet	1	"	"	"	"	J
Nitrobenzene	<0.033	0.33	0.033	mg/kg wet	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg wet	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg wet	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg wet	1	"	"	"	"	
Pentachlorophenol	<0.078	0.67	0.078	mg/kg wet	1	"	"	"	"	
Phenanthrene	0.29	0.33	0.036	mg/kg wet	1	"	"	"	"	J
Phenol	<0.069	0.67	0.069	mg/kg wet	1	"	"	"	"	
Pyrene	0.21	0.33	0.041	mg/kg wet	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	80.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.9			50.4-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103068 Date Reported: 08/01/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS4-White_0.5-0.5 (1103068-02) Soil										H4
Surrogate: Terphenyl-d14										
	66.5			51-99.6 %		B1G2904	07/29/11	07/29/11	EPA 8270C	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103068 Date Reported: 08/01/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS4_0.5-0.5 (1103068-01) Soil Sampled: 07/07/11 16:00 Received: 07/08/11 15:00										
Flashpoint	>140			°F	1	B1G1211	07/12/11	07/12/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103068 Date Reported: 08/01/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2904 - EPA 3545 ASE Extraction

Blank (B1G2904-BLK1)

Prepared & Analyzed: 07/29/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103068 Date Reported: 08/01/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2904 - EPA 3545 ASE Extraction

Blank (B1G2904-BLK1)

Prepared & Analyzed: 07/29/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.16			mg/kg wet	6.67		77.4	53-107			
Surrogate: 2-Fluorobiphenyl	4.45			mg/kg wet	6.67		66.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.39			mg/kg wet	6.67		65.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.52			mg/kg wet	6.67		67.8	48.9-100			
Surrogate: Phenol-d6	5.03			mg/kg wet	6.67		75.5	50.4-99.6			
Surrogate: Terphenyl-d14	4.82			mg/kg wet	6.67		72.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103068 Date Reported: 08/01/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2904 - EPA 3545 ASE Extraction

LCS (B1G2904-BS1)

Prepared & Analyzed: 07/29/11

1,2,4-Trichlorobenzene	4.42	0.33	0.031	mg/kg wet	6.67		66.3	59.1-87.7		20	
1,4-Dichlorobenzene	3.70	0.33	0.029	mg/kg wet	6.67		55.5	50.3-72.9		20	
2,4-Dinitrotoluene	4.96	0.33	0.035	mg/kg wet	6.67		74.5	59.8-82.2		20	
2-Chlorophenol	4.34	0.67	0.060	mg/kg wet	6.67		65.1	59.7-77.3		20	
4-Chloro-3-methylphenol	4.64	0.67	0.066	mg/kg wet	6.67		69.6	63.6-80.4		20	
4-Nitrophenol	4.16	0.67	0.093	mg/kg wet	6.67		62.4	57.3-84.9		20	
Anthracene	5.18	0.33	0.036	mg/kg wet	6.67		77.7	67.3-88		20	
Benzo(a)anthracene	5.41	0.33	0.041	mg/kg wet	6.67		81.2	66.5-90.5		20	
Benzo(a)pyrene	5.33	0.33	0.042	mg/kg wet	6.67		79.9	66.1-89.7		20	
Chrysene	5.71	0.33	0.044	mg/kg wet	6.67		85.7	65.5-90.5		20	
Fluoranthene	5.10	0.33	0.039	mg/kg wet	6.67		76.5	66.7-89.9		20	
Fluorene	4.81	0.33	0.035	mg/kg wet	6.67		72.1	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.32	0.33	0.033	mg/kg wet	6.67		64.8	59.4-78		20	
Pentachlorophenol	4.14	0.67	0.078	mg/kg wet	6.67		62.0	46.7-83.2		20	
Phenanthrene	5.25	0.33	0.036	mg/kg wet	6.67		78.8	67.5-87.9		20	
Phenol	4.27	0.67	0.069	mg/kg wet	6.67		64.0	59.5-76.6		20	
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.77			mg/kg wet	6.67		71.6	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.55			mg/kg wet	6.67		68.2	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	3.93			mg/kg wet	6.67		58.9	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.48			mg/kg wet	6.67		67.3	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.53			mg/kg wet	6.67		68.0	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	5.07			mg/kg wet	6.67		76.0	51-99.6			

LCS Dup (B1G2904-BSD1)

Prepared & Analyzed: 07/29/11

Q9, QM-10

1,2,4-Trichlorobenzene	4.66	0.33	0.031	mg/kg wet	6.67		69.8	59.1-87.7	5.23	20	
1,4-Dichlorobenzene	3.97	0.33	0.029	mg/kg wet	6.67		59.6	50.3-72.9	7.03	20	
2,4-Dinitrotoluene	5.20	0.33	0.035	mg/kg wet	6.67		78.0	59.8-82.2	4.67	20	
2-Chlorophenol	4.25	0.67	0.060	mg/kg wet	6.67		63.7	59.7-77.3	2.08	20	
4-Chloro-3-methylphenol	4.58	0.67	0.066	mg/kg wet	6.67		68.8	63.6-80.4	1.17	20	
4-Nitrophenol	4.20	0.67	0.093	mg/kg wet	6.67		62.9	57.3-84.9	0.862	20	
Anthracene	5.34	0.33	0.036	mg/kg wet	6.67		80.1	67.3-88	3.02	20	
Benzo(a)anthracene	5.52	0.33	0.041	mg/kg wet	6.67		82.8	66.5-90.5	1.88	20	
Benzo(a)pyrene	5.53	0.33	0.042	mg/kg wet	6.67		82.9	66.1-89.7	3.66	20	
Chrysene	5.84	0.33	0.044	mg/kg wet	6.67		87.7	65.5-90.5	2.30	20	
Fluoranthene	5.27	0.33	0.039	mg/kg wet	6.67		79.1	66.7-89.9	3.35	20	
Fluorene	5.04	0.33	0.035	mg/kg wet	6.67		75.6	66.2-85.6	4.77	20	
N-Nitrosodi-n-propylamine	4.55	0.33	0.033	mg/kg wet	6.67		68.3	59.4-78	5.26	20	
Pentachlorophenol	4.03	0.67	0.078	mg/kg wet	6.67		60.4	46.7-83.2	2.66	20	
Phenanthrene	5.48	0.33	0.036	mg/kg wet	6.67		82.2	67.5-87.9	4.24	20	
Phenol	4.19	0.67	0.069	mg/kg wet	6.67		62.9	59.5-76.6	1.85	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103068 Date Reported: 08/01/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2904 - EPA 3545 ASE Extraction

LCS Dup (B1G2904-BSD1)

Prepared & Analyzed: 07/29/11

Q9, QM-10

Surrogate: 2,4,6-Tribromophenol	4.55			mg/kg wet	6.67		68.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.52			mg/kg wet	6.67		67.8	53.9-97.9			
Surrogate: 2-Fluorophenol	3.89			mg/kg wet	6.67		58.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.45			mg/kg wet	6.67		66.7	48.9-100			
Surrogate: Phenol-d6	4.48			mg/kg wet	6.67		67.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.82			mg/kg wet	6.67		72.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103068 Date Reported: 08/01/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1211 - General Prep											
Duplicate (B1G1211-DUP1)		Source: 1102883-18				Prepared & Analyzed: 07/12/11					
Flashpoint	>140			°F		0.00				5	
Reference (B1G1211-SRM1)											
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1103068
Date Reported: 08/01/11

Notes and Definitions

QM-10 LCS/LCSD were analyzed in place of MS/MSD.
Q9 Insufficient sample received to meet method QC requirements.
J Parameter was present between the MDL and RL and should be considered an estimated value
H4 Sample was extracted past required extraction holding time, but analyzed within analysis holding time.
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 11030608

Project Number: 23/19-1092 48RE 510

Project Name: Unseals - 60W Central

Sample Origin/State: MINN (use two letter postal state abbreviation)

COC Number: **NO 36504**

Number of Containers/Preservative

Water		Soil	
VOCs (HCl) #1		VOCs (lared MeOH) #1	
SVOCs (unpreserved) #2		GR0, BTEX (lared MeOH) #1	
Dissolved Metals (HNO3)		DR0 (lared unpreserved)	
Total Metals (HNO3)		Metals (unpreserved)	
General Range Organics (HCl)		SVOCs (unpreserved) #2	
Nutrients (H2SO4) #4		% Solids (plastic vial unpres.)	

Total Number Of Containers: 3

COC 3 of 3

Project Manager: JMF

Project OC Contact: AAN

Sampled by: ADN

Laboratory: Legend

Analyte for: Phosphor
HOLD on Adjustes
LSME

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	On Ice? (Y/N)	On Ice? (Y/N)	Retinued By: <u>[Signature]</u>	Retinued Date: <u>7/15/2011</u>	Time	Received By: <u>[Signature]</u>	Received Date: <u>7/18/11</u>	Time	
						Soil	Water										
1. <u>60-SS4</u>	<u>0.5</u>	<u>0.5</u>	<u>FT</u>	<u>7/7/2011</u>	<u>16:00</u>	<u>X</u>	<u>X</u>	<u>X</u>									
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GR0, TPH, 8260 Fuel List

#2 - Semivolatile Organics = PAHs, PCB Dioxins, 8270 Fuel List, Herbicide/Pesticide/PCB

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfide

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Samples Shipped Via: Air Freight Federal Express Sampler Other: _____

Air Bill Number: _____

Retinued By: _____ Date: _____

Received By: _____ Date: _____

Time: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 21, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103077
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 07/08/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
501FLS-SS1_0.5-0.5	1103077-01	Soil	07/07/11 13:30	07/08/11 15:00
501FL1-SS1_0.5-0.5	1103077-02	Soil	07/07/11 15:00	07/08/11 15:00

Shipping Container Information

Default Cooler Temperature (°C): 6.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501FLS-SS1_0.5-0.5 (1103077-01) Soil Sampled: 07/07/11 13:30 Received: 07/08/11 15:00										
Arsenic	4.6	0.54	0.060	mg/kg dry	1	B1G1310	07/13/11	07/14/11	EPA 6010B	
Barium	84	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	16	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	8.3	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.099	0.099	0.019	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1310	07/13/11	07/14/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
501FL1-SS1_0.5-0.5 (1103077-02) Soil Sampled: 07/07/11 15:00 Received: 07/08/11 15:00										
Arsenic	4.7	0.55	0.060	mg/kg dry	1	B1G1310	07/13/11	07/14/11	EPA 6010B	
Barium	92	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	16	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	9.2	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1310	07/13/11	07/14/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501FLS-SS1_0.5-0.5 (1103077-01) Soil Sampled: 07/07/11 13:30 Received: 07/08/11 15:00										
Aroclor 1016	<0.22	0.22	0.0086	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.22	0.22	0.0064	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	120			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	119			60.9-138 %		"	"	"	"	
501FL1-SS1_0.5-0.5 (1103077-02) Soil Sampled: 07/07/11 15:00 Received: 07/08/11 15:00										
Aroclor 1016	<0.22	0.22	0.0087	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.044	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.044	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.22	0.22	0.0065	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	124			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	128			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501FLS-SS1_0.5-0.5 (1103077-01) Soil Sampled: 07/07/11 13:30 Received: 07/08/11 15:00										
% Solids	92			%	1	B1G1317	07/13/11	07/13/11	%	calculation
501FL1-SS1_0.5-0.5 (1103077-02) Soil Sampled: 07/07/11 15:00 Received: 07/08/11 15:00										
% Solids	91			%	1	B1G1317	07/13/11	07/13/11	%	calculation

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501FLS-SS1_0.5-0.5 (1103077-01) Soil Sampled: 07/07/11 13:30 Received: 07/08/11 15:00										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.048	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.063	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501FLS-SS1_0.5-0.5 (1103077-01) Soil Sampled: 07/07/11 13:30 Received: 07/08/11 15:00										
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.095	0.36	0.042	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.073	0.36	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	0.087	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	79.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	55.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	61.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	73.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501FL1-SS1_0.5-0.5 (1103077-02) Soil Sampled: 07/07/11 15:00 Received: 07/08/11 15:00										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501FL1-SS1_0.5-0.5 (1103077-02) Soil Sampled: 07/07/11 15:00 Received: 07/08/11 15:00										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	77.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	52.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	57.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1310 - EPA 3050B

Blank (B1G1310-BLK1)

Prepared: 07/13/11 Analyzed: 07/14/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G1310-BS1)

Prepared: 07/13/11 Analyzed: 07/14/11

Arsenic	40.4	0.50	0.055	mg/kg wet	39.9		101	80-120			
Barium	40.8	1.0	0.060	mg/kg wet	39.9		102	80-120			
Cadmium	41.4	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	41.8	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	39.8	1.0	0.095	mg/kg wet	39.9		99.9	80-120			
Silver	4.05	0.25	0.016	mg/kg wet	3.99		102	80-120			

LCS Dup (B1G1310-BSD1)

Prepared: 07/13/11 Analyzed: 07/14/11

Arsenic	39.8	0.50	0.055	mg/kg wet	39.9		99.8	80-120	1.44	20	
Barium	40.4	1.0	0.060	mg/kg wet	39.9		101	80-120	0.949	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	1.46	20	
Chromium	41.2	0.50	0.012	mg/kg wet	39.9		103	80-120	1.56	20	
Lead	41.3	1.0	0.14	mg/kg wet	39.9		104	80-120	1.43	20	
Selenium	39.5	1.0	0.095	mg/kg wet	39.9		98.9	80-120	1.00	20	
Silver	4.04	0.25	0.016	mg/kg wet	3.99		101	80-120	0.153	20	

Matrix Spike (B1G1310-MS1)

Source: 1103077-02

Prepared: 07/13/11 Analyzed: 07/14/11

Arsenic	44.2	0.55	0.060	mg/kg dry	43.3	4.75	91.1	75-125			
Barium	134	1.1	0.066	mg/kg dry	43.3	91.9	96.9	75-125			
Cadmium	41.6	0.27	0.036	mg/kg dry	43.3	<0.27	95.8	75-125			
Chromium	57.1	0.55	0.013	mg/kg dry	43.3	15.5	96.0	75-125			
Lead	48.4	1.1	0.15	mg/kg dry	43.3	9.23	90.5	75-125			
Selenium	39.0	1.1	0.10	mg/kg dry	43.3	<1.1	90.0	75-125			
Silver	4.05	0.27	0.018	mg/kg dry	4.33	<0.27	93.5	75-125			

Matrix Spike Dup (B1G1310-MSD1)

Source: 1103077-02

Prepared: 07/13/11 Analyzed: 07/14/11

Arsenic	44.3	0.55	0.060	mg/kg dry	42.8	4.75	92.4	75-125	0.184	20	
Barium	135	1.1	0.066	mg/kg dry	42.8	91.9	102	75-125	1.19	20	
Cadmium	41.5	0.27	0.036	mg/kg dry	42.8	<0.27	96.8	75-125	0.232	20	
Chromium	57.1	0.55	0.013	mg/kg dry	42.8	15.5	97.3	75-125	0.0609	20	
Lead	48.6	1.1	0.15	mg/kg dry	42.8	9.23	92.0	75-125	0.342	20	
Selenium	39.3	1.1	0.10	mg/kg dry	42.8	<1.1	91.9	75-125	0.828	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1310 - EPA 3050B											
Matrix Spike Dup (B1G1310-MSD1) Source: 1103077-02 Prepared: 07/13/11 Analyzed: 07/14/11											
Silver	4.03	0.27	0.018	mg/kg dry	4.28	<0.27	94.2	75-125	0.419	20	
Batch B1G1410 - EPA 7471A											
Blank (B1G1410-BLK1) Prepared: 07/14/11 Analyzed: 07/21/11											
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G1410-BS1) Prepared: 07/14/11 Analyzed: 07/21/11											
Mercury	0.190	0.10	0.019	mg/kg wet	0.200		95.0	80-120			
LCS Dup (B1G1410-BSD1) Prepared: 07/14/11 Analyzed: 07/21/11											
Mercury	0.196	0.10	0.019	mg/kg wet	0.200		98.0	80-120	3.11	20	
Matrix Spike (B1G1410-MS1) Source: 1103098-07 Prepared: 07/14/11 Analyzed: 07/21/11											
Mercury	0.211	0.11	0.021	mg/kg dry	0.209	<0.11	101	75-125			
Matrix Spike Dup (B1G1410-MSD1) Source: 1103098-07 Prepared: 07/14/11 Analyzed: 07/21/11											
Mercury	0.218	0.11	0.021	mg/kg dry	0.211	<0.11	104	75-125	3.35	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1504 - EPA 3545 ASE Extraction											
Blank (B1G1504-BLK1)						Prepared & Analyzed: 07/15/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0677			mg/kg wet	0.0667		102	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0670			mg/kg wet	0.0667		100	60.9-138			
LCS (B1G1504-BS1)						Prepared: 07/15/11 Analyzed: 07/16/11					
Aroclor 1260	0.344	0.20	0.0059	mg/kg wet	0.333		103	70-130			
Surrogate: Decachlorobiphenyl	0.0710			mg/kg wet	0.0667		106	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0680			mg/kg wet	0.0667		102	60.9-138			
Matrix Spike (B1G1504-MS1)						Source: 1103077-01 Prepared: 07/15/11 Analyzed: 07/16/11					
Aroclor 1260	0.393	0.22	0.0064	mg/kg dry	0.362	<0.22	109	70-130			
Surrogate: Decachlorobiphenyl	0.0800			mg/kg dry	0.0724		110	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0771			mg/kg dry	0.0724		106	60.9-138			
Matrix Spike Dup (B1G1504-MSD1)						Source: 1103077-01 Prepared: 07/15/11 Analyzed: 07/16/11					
Aroclor 1260	0.406	0.22	0.0064	mg/kg dry	0.362	<0.22	112	70-130	3.37	17.2	
Surrogate: Decachlorobiphenyl	0.0832			mg/kg dry	0.0723		115	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0796			mg/kg dry	0.0723		110	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G1317 - General Preparation												
Duplicate (B1G1317-DUP1)							Source: 1103021-03					Prepared & Analyzed: 07/13/11
% Solids	77.0			%		78.0			1.29	20		
Duplicate (B1G1317-DUP2)							Source: 1103058-04					Prepared & Analyzed: 07/13/11
% Solids	86.0			%		86.0			0.00	20		
Duplicate (B1G1317-DUP3)							Source: 1103079-01					Prepared & Analyzed: 07/13/11
% Solids	77.0			%		74.0			3.97	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1406 - EPA 3545 ASE Extraction

Blank (B1G1406-BLK1)

Prepared & Analyzed: 07/14/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1406 - EPA 3545 ASE Extraction

Blank (B1G1406-BLK1)

Prepared & Analyzed: 07/14/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.84			mg/kg wet	6.67		72.5	53-107			
Surrogate: 2-Fluorobiphenyl	4.58			mg/kg wet	6.67		68.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.57			mg/kg wet	6.67		53.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.83			mg/kg wet	6.67		72.4	48.9-100			
Surrogate: Phenol-d6	3.84			mg/kg wet	6.67		57.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.93			mg/kg wet	6.67		73.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1406 - EPA 3545 ASE Extraction

LCS (B1G1406-BS1)

Prepared & Analyzed: 07/14/11

1,2,4-Trichlorobenzene	4.56	0.33	0.031	mg/kg wet	6.67		68.4	59.1-87.7			
1,4-Dichlorobenzene	4.14	0.33	0.029	mg/kg wet	6.67		62.0	50.3-72.9			
2,4-Dinitrotoluene	4.56	0.33	0.035	mg/kg wet	6.67		68.5	59.8-82.2			
2-Chlorophenol	4.78	0.67	0.060	mg/kg wet	6.67		71.6	59.7-77.3			
4-Chloro-3-methylphenol	4.92	0.67	0.066	mg/kg wet	6.67		73.9	63.6-80.4			
4-Nitrophenol	4.66	0.67	0.093	mg/kg wet	6.67		69.8	57.3-84.9			
Anthracene	5.03	0.33	0.036	mg/kg wet	6.67		75.4	67.3-88			
Benzo(a)anthracene	5.18	0.33	0.041	mg/kg wet	6.67		77.6	66.5-90.5			
Benzo(a)pyrene	5.14	0.33	0.042	mg/kg wet	6.67		77.1	66.1-89.7			
Chrysene	5.21	0.33	0.044	mg/kg wet	6.67		78.2	65.5-90.5			
Fluoranthene	4.99	0.33	0.039	mg/kg wet	6.67		74.8	66.7-89.9			
Fluorene	4.55	0.33	0.035	mg/kg wet	6.67		68.2	66.2-85.6			
N-Nitrosodi-n-propylamine	4.58	0.33	0.033	mg/kg wet	6.67		68.7	59.4-78			
Pentachlorophenol	4.42	0.67	0.078	mg/kg wet	6.67		66.3	46.7-83.2			
Phenanthrene	5.11	0.33	0.036	mg/kg wet	6.67		76.7	67.5-87.9			
Phenol	4.19	0.67	0.069	mg/kg wet	6.67		62.9	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.71			mg/kg wet	6.67		85.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.31			mg/kg wet	6.67		64.6	53.9-97.9			
Surrogate: 2-Fluorophenol	4.23			mg/kg wet	6.67		63.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.52			mg/kg wet	6.67		67.7	48.9-100			
Surrogate: Phenol-d6	4.54			mg/kg wet	6.67		68.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.61			mg/kg wet	6.67		69.1	51-99.6			

Matrix Spike (B1G1406-MS1)

Source: 1103077-02

Prepared: 07/14/11 Analyzed: 07/15/11

1,2,4-Trichlorobenzene	4.73	0.36	0.034	mg/kg dry	7.36	<0.36	64.3	44.8-97.9			
1,4-Dichlorobenzene	4.27	0.36	0.032	mg/kg dry	7.36	<0.36	58.1	42.3-77.9			
2,4-Dinitrotoluene	4.90	0.36	0.038	mg/kg dry	7.36	<0.36	66.6	57.3-86.6			
2-Chlorophenol	4.72	0.74	0.066	mg/kg dry	7.36	<0.74	64.1	43.3-93.2			
4-Chloro-3-methylphenol	5.04	0.74	0.073	mg/kg dry	7.36	<0.74	68.5	47.1-97.6			
4-Nitrophenol	4.78	0.74	0.10	mg/kg dry	7.36	<0.74	64.9	49.3-96.2			
Anthracene	5.31	0.36	0.040	mg/kg dry	7.36	<0.36	72.2	67.5-93.1			
Benzo(a)anthracene	5.27	0.36	0.045	mg/kg dry	7.36	<0.36	71.7	59.8-95.7			
Benzo(a)pyrene	5.33	0.36	0.046	mg/kg dry	7.36	<0.36	72.4	59.8-92.7			
Chrysene	5.40	0.36	0.048	mg/kg dry	7.36	<0.36	73.4	62.5-94.6			
Fluoranthene	5.11	0.36	0.043	mg/kg dry	7.36	<0.36	69.5	61.3-92.8			
Fluorene	4.91	0.36	0.038	mg/kg dry	7.36	<0.36	66.8	62.8-92.6			
N-Nitrosodi-n-propylamine	4.98	0.36	0.036	mg/kg dry	7.36	<0.36	67.6	46.9-89.9			
Pentachlorophenol	5.40	0.74	0.086	mg/kg dry	7.36	<0.74	73.5	40.1-95.1			
Phenanthrene	5.42	0.36	0.040	mg/kg dry	7.36	<0.36	73.7	65.2-92.2			
Phenol	4.08	0.74	0.076	mg/kg dry	7.36	<0.74	55.5	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 510 Project Manager: Ms. Andrea Nord	Work Order #: 1103077 Date Reported: 07/21/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1406 - EPA 3545 ASE Extraction

Matrix Spike (B1G1406-MS1)

Source: 1103077-02

Prepared: 07/14/11

Analyzed: 07/15/11

Surrogate: 2,4,6-Tribromophenol	6.22			mg/kg dry	7.36		84.6	53-107			
Surrogate: 2-Fluorobiphenyl	5.58			mg/kg dry	7.36		75.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.43			mg/kg dry	7.36		60.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.97			mg/kg dry	7.36		81.2	48.9-100			
Surrogate: Phenol-d6	4.79			mg/kg dry	7.36		65.1	50.4-99.6			
Surrogate: Terphenyl-d14	6.13			mg/kg dry	7.36		83.3	51-99.6			

Matrix Spike Dup (B1G1406-MSD1)

Source: 1103077-02

Prepared: 07/14/11

Analyzed: 07/15/11

1,2,4-Trichlorobenzene	5.06	0.36	0.034	mg/kg dry	7.36	<0.36	68.8	44.8-97.9	6.74	19.6	
1,4-Dichlorobenzene	4.65	0.36	0.032	mg/kg dry	7.36	<0.36	63.2	42.3-77.9	8.50	22.4	
2,4-Dinitrotoluene	5.08	0.36	0.038	mg/kg dry	7.36	<0.36	69.0	57.3-86.6	3.64	19.5	
2-Chlorophenol	5.07	0.74	0.066	mg/kg dry	7.36	<0.74	68.9	43.3-93.2	7.19	23.7	
4-Chloro-3-methylphenol	5.25	0.74	0.073	mg/kg dry	7.36	<0.74	71.4	47.1-97.6	4.19	18.3	
4-Nitrophenol	4.95	0.74	0.10	mg/kg dry	7.36	<0.74	67.2	49.3-96.2	3.52	20.4	
Anthracene	5.55	0.36	0.040	mg/kg dry	7.36	<0.36	75.5	67.5-93.1	4.47	19.9	
Benzo(a)anthracene	5.46	0.36	0.045	mg/kg dry	7.36	<0.36	74.2	59.8-95.7	3.53	23.4	
Benzo(a)pyrene	5.52	0.36	0.046	mg/kg dry	7.36	<0.36	75.0	59.8-92.7	3.51	21.1	
Chrysene	5.66	0.36	0.048	mg/kg dry	7.36	<0.36	76.9	62.5-94.6	4.68	24.8	
Fluoranthene	5.21	0.36	0.043	mg/kg dry	7.36	<0.36	70.8	61.3-92.8	1.94	21.8	
Fluorene	5.11	0.36	0.038	mg/kg dry	7.36	<0.36	69.5	62.8-92.6	3.98	17.6	
N-Nitrosodi-n-propylamine	5.35	0.36	0.036	mg/kg dry	7.36	<0.36	72.7	46.9-89.9	7.31	18.9	
Pentachlorophenol	5.61	0.74	0.086	mg/kg dry	7.36	<0.74	76.2	40.1-95.1	3.77	19.7	
Phenanthrene	5.66	0.36	0.040	mg/kg dry	7.36	<0.36	76.9	65.2-92.2	4.29	20.5	
Phenol	4.33	0.74	0.076	mg/kg dry	7.36	<0.74	58.9	44.7-91	6.04	17.9	
Surrogate: 2,4,6-Tribromophenol	6.64			mg/kg dry	7.36		90.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.95			mg/kg dry	7.36		80.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.77			mg/kg dry	7.36		64.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.39			mg/kg dry	7.36		86.9	48.9-100			
Surrogate: Phenol-d6	5.18			mg/kg dry	7.36		70.4	50.4-99.6			
Surrogate: Terphenyl-d14	6.58			mg/kg dry	7.36		89.4	51-99.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 510
Project Manager: Ms. Andrea Nord

Work Order #: 1103077
Date Reported: 07/21/11

Notes and Definitions

J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 1103077

Project Number: 23/19-1092 4803 510
Project Name: Unres. Rf - Gow East
Sample Origin: State MN (use two letter postal state abbreviation)

CDC Number: **NO 36502**

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type
						Water	Soil	OC	
501FLS-951	0.5	0.5	ft	7/7/2004	13:30	X	X		OC
501FLI-SS1	0.5	0.5	ft	↓	15:00	X	X	X	OC
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

Project Manager: JME
Project QC Contact: AAV
Sampled by: ADN
Laboratory: Legend

Total Number of Containers: 12

Number of Containers/Preservative:

Water		Soil	
VOCS (unpreserved) #2		SVOCs (unpreserved) #2	<u>12</u>
Disolved Metals (HNO ₃)		Metals (unpreserved)	
Total Metals (HNO ₃)		DRO (tared unpreserved)	
General Organics (HCl)		GRO, BTEX (tared MeOH) #1	
Diesel Range Organics (HCl)		VOCS (tared MeOH) #1	
Nutrients (H ₂ SO ₄) #4			

Relinquished by: [Signature] Date: 7/8/04
Relinquished by: [Signature] Date: 7/8/04

Received by: [Signature] Date: 7/8/04 Time: 15:06
Received by: [Signature] Date: 7/8/04 Time: 15:06

Samples Shipped VIA: Air Freight Federal Express Sampler
 Other: _____

Air Bill Number: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

HTL9L5TDF0F0ASUSCH10 Of Custody Form 2008 P.L.O. Rev. 09/01/09

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 23/19-1092 4803 510
Project Name: Unres. Rf - Gow East
Sample Origin: State MN (use two letter postal state abbreviation)

CDC Number: **NO 36502**

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type
						Water	Soil	OC	
501FLS-951	0.5	0.5	ft	7/7/2004	13:30	X	X		OC
501FLI-SS1	0.5	0.5	ft	↓	15:00	X	X	X	OC
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, B200 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, B270 Full List, Herbicide/Pesticide/PCBs
 #3 - General pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phospho, Ammonia Nitrogen, TNV



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 26, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103098
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 07/12/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
715B-TT1_0.5-0.5	1103098-01	Soil	07/11/11 07:45	07/12/11 09:30
722D-TT1_0.5-0.5	1103098-02	Soil	07/11/11 08:30	07/12/11 09:30
717A-TT1_0.5-0.5	1103098-03	Soil	07/11/11 09:00	07/12/11 09:30
707LL-TT1_1-1	1103098-04	Soil	07/11/11 09:45	07/12/11 09:30
101C-TT1_0.5-0.5	1103098-05	Soil	07/11/11 10:45	07/12/11 09:30
101C-TT2_0.5-0.5	1103098-06	Soil	07/11/11 11:15	07/12/11 09:30
101B-TT2_0.5-0.5	1103098-07	Soil	07/11/11 11:45	07/12/11 09:30
101B-TT1_0.5-0.5	1103098-08	Soil	07/11/11 12:15	07/12/11 09:30
101A-TT1_0.5-0.5	1103098-09	Soil	07/11/11 12:45	07/12/11 09:30
Trip Blank	1103098-10	Methanol	07/11/11 00:00	07/12/11 09:30
706A-TT2_0.5-0.5	1103098-11	Soil	07/11/11 14:15	07/12/11 09:30
706A-TT1_0.5-0.5	1103098-12	Soil	07/11/11 14:45	07/12/11 09:30
706D-TT1_0.5-0.5	1103098-13	Soil	07/11/11 15:20	07/12/11 09:30
FB-706D-TT1	1103098-14	Water	07/11/11 15:30	07/12/11 09:30
706A-TT3_0.5-0.5	1103098-15	Soil	07/11/11 16:00	07/12/11 09:30
205A-TT2_0.5-0.5	1103098-16	Soil	07/11/11 16:40	07/12/11 09:30
205A-TT1_0.5-0.5	1103098-17	Soil	07/11/11 17:00	07/12/11 09:30

Shipping Container Information

Default Cooler	Temperature (°C):	
Received on ice: Yes	Temperature blank was not present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: Yes		

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint and the 8330 analysis.

An LCS/LCSD were prepared and analyzed for 8270 batch B1G1306 and 8330 batch B1G1811 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

Methylene chloride was detected in the method blank between the MDL and RL for 8260 batch B1G1512. Samples with methylene chloride detections less than or equal to 10 times the blank contamination are qualified.

Recovery for n-Butylbenzene was slightly above 8260 laboratory limits in the batch B1G1512 MSD. All spike compounds were within limits in the LCS/MS. The MS/MSD source sample was 715B-TT1_0.5-0.5.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
715B-TT1_0.5-0.5 (1103098-01) Soil Sampled: 07/11/11 07:45 Received: 07/12/11 9:30										
Arsenic	5.0	0.55	0.060	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Barium	59	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	0.32	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	14	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	22	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
722D-TT1_0.5-0.5 (1103098-02) Soil Sampled: 07/11/11 08:30 Received: 07/12/11 9:30										
Arsenic	4.5	0.56	0.062	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Barium	55	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	0.30	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	13	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	17	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
717A-TT1_0.5-0.5 (1103098-03) Soil Sampled: 07/11/11 09:00 Received: 07/12/11 9:30										
Arsenic	6.1	0.57	0.063	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Barium	130	1.1	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	1.8	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	17	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	87	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
707LL-TT1_1-1 (1103098-04) Soil Sampled: 07/11/11 09:45 Received: 07/12/11 9:30										
Arsenic	6.6	0.57	0.062	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Barium	100	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	17	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	8.6	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
101C-TT1_0.5-0.5 (1103098-05) Soil Sampled: 07/11/11 10:45 Received: 07/12/11 9:30										
Arsenic	6.5	0.63	0.070	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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101C-TT1_0.5-0.5 (1103098-05) Soil **Sampled: 07/11/11 10:45** **Received: 07/12/11 9:30**

Barium	140	1.3	0.076	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Cadmium	<0.32	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	20	0.63	0.015	mg/kg dry	1	"	"	"	"	
Lead	16	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.13	0.13	0.024	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.32	0.32	0.020	mg/kg dry	1	"	"	"	"	

101C-TT2_0.5-0.5 (1103098-06) Soil **Sampled: 07/11/11 11:15** **Received: 07/12/11 9:30**

Arsenic	4.8	0.54	0.059	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Barium	70	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	13	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	19	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	

101B-TT2_0.5-0.5 (1103098-07) Soil **Sampled: 07/11/11 11:45** **Received: 07/12/11 9:30**

Arsenic	4.8	0.54	0.060	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Barium	76	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	16	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	6.8	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	

101B-TT1_0.5-0.5 (1103098-08) Soil **Sampled: 07/11/11 12:15** **Received: 07/12/11 9:30**

Arsenic	4.0	0.56	0.061	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Barium	50	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	11	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	9.3	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

101A-TT1_0.5-0.5 (1103098-09) Soil **Sampled: 07/11/11 12:45** **Received: 07/12/11 9:30**

Arsenic	6.6	0.60	0.065	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Barium	160	1.2	0.071	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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101A-TT1_0.5-0.5 (1103098-09) Soil Sampled: 07/11/11 12:45 Received: 07/12/11 9:30

Cadmium	0.34	0.30	0.039	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Chromium	16	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	28	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	

706A-TT2_0.5-0.5 (1103098-11) Soil Sampled: 07/11/11 14:15 Received: 07/12/11 9:30

Arsenic	5.8	0.61	0.067	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Barium	130	1.2	0.073	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	16	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	15	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	

706A-TT1_0.5-0.5 (1103098-12) Soil Sampled: 07/11/11 14:45 Received: 07/12/11 9:30

Arsenic	4.1	0.54	0.060	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Barium	75	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	13	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.4	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	

706D-TT1_0.5-0.5 (1103098-13) Soil Sampled: 07/11/11 15:20 Received: 07/12/11 9:30

Arsenic	2.9	0.53	0.058	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Barium	40	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	10	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	10	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

FB-706D-TT1 (1103098-14) Water Sampled: 07/11/11 15:30 Received: 07/12/11 9:30

Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G1302	07/13/11	07/13/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-706D-TT1 (1103098-14) Water Sampled: 07/11/11 15:30 Received: 07/12/11 9:30										
Chromium	<0.010	0.010	0.00024	mg/L	1	B1G1302	07/13/11	07/13/11	EPA 6010B	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2001	07/20/11	07/20/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G1302	07/13/11	07/13/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
706A-TT3_0.5-0.5 (1103098-15) Soil Sampled: 07/11/11 16:00 Received: 07/12/11 9:30										
Arsenic	4.8	0.55	0.060	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Barium	76	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	14	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	9.3	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	0.67	0.11	0.021	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
205A-TT2_0.5-0.5 (1103098-16) Soil Sampled: 07/11/11 16:40 Received: 07/12/11 9:30										
Arsenic	3.9	0.57	0.062	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Barium	53	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	10	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	16	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
205A-TT1_0.5-0.5 (1103098-17) Soil Sampled: 07/11/11 17:00 Received: 07/12/11 9:30										
Arsenic	3.8	0.57	0.062	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Barium	48	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	11	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	12	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1G1410	07/14/11	07/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1311	07/13/11	07/20/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
715B-TT1_0.5-0.5 (1103098-01) Soil Sampled: 07/11/11 07:45 Received: 07/12/11 9:30										
Aroclor 1016	<0.22	0.22	0.0087	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.044	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.044	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.22	0.22	0.0065	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	122			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	126			60.9-138 %		"	"	"	"	
717A-TT1_0.5-0.5 (1103098-03) Soil Sampled: 07/11/11 09:00 Received: 07/12/11 9:30										
Aroclor 1016	<0.23	0.23	0.0091	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.23	0.23	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.23	0.23	0.026	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.23	0.23	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.23	0.23	0.046	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.23	0.23	0.046	mg/kg dry	1	"	"	"	"	
Aroclor 1260	4.1	1.1	0.034	mg/kg dry	5	"	"	07/23/11	"	
Surrogate: Decachlorobiphenyl	119			65.3-143 %		"	"	07/16/11	"	
Surrogate: Tetrachloro-meta-xylene	119			60.9-138 %		"	"	"	"	
101A-TT1_0.5-0.5 (1103098-09) Soil Sampled: 07/11/11 12:45 Received: 07/12/11 9:30										
Aroclor 1016	<0.24	0.24	0.0094	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.24	0.24	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.24	0.24	0.027	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.24	0.24	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.24	0.24	0.048	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.24	0.24	0.048	mg/kg dry	1	"	"	"	"	
Aroclor 1260	0.64	0.24	0.0070	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	124			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	120			60.9-138 %		"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
715B-TT1_0.5-0.5 (1103098-01) Soil Sampled: 07/11/11 07:45 Received: 07/12/11 9:30										
% Solids	91			%	1	B1G1514	07/15/11	07/18/11	% calculation	
722D-TT1_0.5-0.5 (1103098-02) Soil Sampled: 07/11/11 08:30 Received: 07/12/11 9:30										
% Solids	89			%	1	B1G1514	07/15/11	07/18/11	% calculation	
717A-TT1_0.5-0.5 (1103098-03) Soil Sampled: 07/11/11 09:00 Received: 07/12/11 9:30										
% Solids	87			%	1	B1G1514	07/15/11	07/18/11	% calculation	
707LL-TT1_1-1 (1103098-04) Soil Sampled: 07/11/11 09:45 Received: 07/12/11 9:30										
% Solids	88			%	1	B1G1514	07/15/11	07/18/11	% calculation	
101C-TT1_0.5-0.5 (1103098-05) Soil Sampled: 07/11/11 10:45 Received: 07/12/11 9:30										
% Solids	79			%	1	B1G1514	07/15/11	07/18/11	% calculation	
101C-TT2_0.5-0.5 (1103098-06) Soil Sampled: 07/11/11 11:15 Received: 07/12/11 9:30										
% Solids	86			%	1	B1G1514	07/15/11	07/18/11	% calculation	
101B-TT2_0.5-0.5 (1103098-07) Soil Sampled: 07/11/11 11:45 Received: 07/12/11 9:30										
% Solids	92			%	1	B1G1514	07/15/11	07/18/11	% calculation	
101B-TT1_0.5-0.5 (1103098-08) Soil Sampled: 07/11/11 12:15 Received: 07/12/11 9:30										
% Solids	90			%	1	B1G1514	07/15/11	07/18/11	% calculation	
101A-TT1_0.5-0.5 (1103098-09) Soil Sampled: 07/11/11 12:45 Received: 07/12/11 9:30										
% Solids	84			%	1	B1G1514	07/15/11	07/18/11	% calculation	
706A-TT2_0.5-0.5 (1103098-11) Soil Sampled: 07/11/11 14:15 Received: 07/12/11 9:30										
% Solids	82			%	1	B1G1514	07/15/11	07/18/11	% calculation	
706A-TT1_0.5-0.5 (1103098-12) Soil Sampled: 07/11/11 14:45 Received: 07/12/11 9:30										
% Solids	92			%	1	B1G1514	07/15/11	07/18/11	% calculation	
706D-TT1_0.5-0.5 (1103098-13) Soil Sampled: 07/11/11 15:20 Received: 07/12/11 9:30										
% Solids	95			%	1	B1G1514	07/15/11	07/18/11	% calculation	
706A-TT3_0.5-0.5 (1103098-15) Soil Sampled: 07/11/11 16:00 Received: 07/12/11 9:30										
% Solids	91			%	1	B1G1514	07/15/11	07/18/11	% calculation	
205A-TT2_0.5-0.5 (1103098-16) Soil Sampled: 07/11/11 16:40 Received: 07/12/11 9:30										
% Solids	88			%	1	B1G1514	07/15/11	07/18/11	% calculation	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
205A-TT1_0.5-0.5 (1103098-17) Soil Sampled: 07/11/11 17:00 Received: 07/12/11 9:30										
% Solids	88			%	1	B1G1514	07/15/11	07/18/11	%	calculation

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
715B-TT1_0.5-0.5 (1103098-01) Soil Sampled: 07/11/11 07:45 Received: 07/12/11 9:30										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.047	0.36	0.042	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.12	0.36	0.040	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.44	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.46	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.66	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.31	0.36	0.047	mg/kg dry	1	"	"	"	"	J

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
715B-TT1_0.5-0.5 (1103098-01) Soil Sampled: 07/11/11 07:45 Received: 07/12/11 9:30										
Benzo(k)fluoranthene	0.26	0.36	0.053	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	J
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	0.11	0.36	0.038	mg/kg dry	1	"	"	"	"	J
Chrysene	0.52	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.070	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	1.2	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	0.052	0.36	0.038	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.32	0.36	0.044	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.74	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	1.0	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	78.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	54.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	59.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	73.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
722D-TT1_0.5-0.5 (1103098-02) Soil Sampled: 07/11/11 08:30 Received: 07/12/11 9:30										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.062	0.37	0.043	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	0.17	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.40	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.38	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.48	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.20	0.37	0.048	mg/kg dry	1	"	"	"	"	J

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
722D-TT1_0.5-0.5 (1103098-02) Soil Sampled: 07/11/11 08:30 Received: 07/12/11 9:30										
Benzo(k)fluoranthene	0.20	0.37	0.054	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	J
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	0.089	0.37	0.039	mg/kg dry	1	"	"	"	"	J
Chrysene	0.43	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.056	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.91	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	0.063	0.37	0.039	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.22	0.37	0.045	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.66	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.78	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	79.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	55.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	59.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	74.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-TT1_0.5-0.5 (1103098-03) Soil Sampled: 07/11/11 09:00 Received: 07/12/11 9:30										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	0.064	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.18	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.21	0.38	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.37	0.38	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.16	0.38	0.049	mg/kg dry	1	"	"	"	"	J

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-TT1_0.5-0.5 (1103098-03) Soil Sampled: 07/11/11 09:00 Received: 07/12/11 9:30										
Benzo(k)fluoranthene	0.13	0.38	0.055	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	J
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	0.046	0.38	0.040	mg/kg dry	1	"	"	"	"	J
Chrysene	0.26	0.38	0.051	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.44	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.17	0.38	0.046	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.27	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	0.38	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	74.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	72.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	49.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	56.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707LL-TT1_1-1 (1103098-04) Soil Sampled: 07/11/11 09:45 Received: 07/12/11 9:30										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.063	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.070	0.38	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.10	0.38	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707LL-TT1_1-1 (1103098-04) Soil Sampled: 07/11/11 09:45 Received: 07/12/11 9:30										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	0.080	0.38	0.050	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.16	0.38	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.10	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.14	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	82.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	78.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
101C-TT1_0.5-0.5 (1103098-05) Soil Sampled: 07/11/11 10:45 Received: 07/12/11 9:30										
1,2,4-Trichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.047	0.85	0.047	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.095	0.85	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.076	0.85	0.076	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.85	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.041	0.85	0.041	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.42	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.043	0.85	0.043	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.084	0.85	0.084	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.85	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.42	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.052	0.42	0.052	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.85	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	0.050	0.42	0.046	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.24	3.2	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.11	0.42	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.096	0.42	0.053	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.12	0.42	0.054	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
101C-TT1_0.5-0.5 (1103098-05) Soil Sampled: 07/11/11 10:45 Received: 07/12/11 9:30										
Benzo(k)fluoranthene	<0.061	0.42	0.061	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
Benzoic acid	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.043	0.42	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Chrysene	0.10	0.42	0.056	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.056	0.42	0.056	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.061	0.42	0.061	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.26	0.42	0.049	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.42	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.051	0.42	0.051	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.42	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.033	0.42	0.033	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.099	0.85	0.099	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.20	0.42	0.046	mg/kg dry	1	"	"	"	"	J
Phenol	<0.087	0.85	0.087	mg/kg dry	1	"	"	"	"	
Pyrene	0.22	0.42	0.052	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	84.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	54.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	61.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	77.2			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
101C-TT2_0.5-0.5 (1103098-06) Soil Sampled: 07/11/11 11:15 Received: 07/12/11 9:30										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
101C-TT2_0.5-0.5 (1103098-06) Soil Sampled: 07/11/11 11:15 Received: 07/12/11 9:30										
Benzo(k)fluoranthene	<0.056	0.38	0.056	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	49.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	56.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
101A-TT1_0.5-0.5 (1103098-09) Soil Sampled: 07/11/11 12:45 Received: 07/12/11 9:30										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
101A-TT1_0.5-0.5 (1103098-09) Soil Sampled: 07/11/11 12:45 Received: 07/12/11 9:30										
Benzo(k)fluoranthene	<0.057	0.39	0.057	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.077	0.39	0.046	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.055	0.39	0.043	mg/kg dry	1	"	"	"	"	J
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	0.063	0.39	0.049	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	96.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	86.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	86.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	85.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-TT2_0.5-0.5 (1103098-11) Soil Sampled: 07/11/11 14:15 Received: 07/12/11 9:30										
1,2,4-Trichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.82	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.091	0.82	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.073	0.82	0.073	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	2.0	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.82	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.82	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.82	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-TT2_0.5-0.5 (1103098-11) Soil Sampled: 07/11/11 14:15 Received: 07/12/11 9:30										
Benzo(k)fluoranthene	<0.059	0.40	0.059	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
Pyrene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	93.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	86.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	87.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	83.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-TT1_0.5-0.5 (1103098-12) Soil Sampled: 07/11/11 14:45 Received: 07/12/11 9:30										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-TT1_0.5-0.5 (1103098-12) Soil Sampled: 07/11/11 14:45 Received: 07/12/11 9:30										
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	B1G1406	07/14/11	07/14/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	81.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706D-TT1_0.5-0.5 (1103098-13) Soil Sampled: 07/11/11 15:20 Received: 07/12/11 9:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.079	0.71	0.079	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.063	0.71	0.063	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.71	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.71	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.71	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706D-TT1_0.5-0.5 (1103098-13) Soil Sampled: 07/11/11 15:20 Received: 07/12/11 9:30										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
Benzoic acid	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	67.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	47.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	52.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	63.6			51-99.6 %		"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48R1 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103098
Date Reported: 07/26/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-706D-TT1 (1103098-14) Water Sampled: 07/11/11 15:30 Received: 07/12/11 9:30

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1306	07/13/11	07/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-706D-TT1 (1103098-14) Water Sampled: 07/11/11 15:30 Received: 07/12/11 9:30										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1306	07/13/11	07/13/11	EPA 8270C	
Benzoic acid	4.5	9.3	0.48	ug/L	1	"	"	"	"	J
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	0.92	9.3	0.28	ug/L	1	"	"	"	"	J
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	98.7			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	95.7			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.0			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	100			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	59.0			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	93.1			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-TT3_0.5-0.5 (1103098-15) Soil Sampled: 07/11/11 16:00 Received: 07/12/11 9:30										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-TT3_0.5-0.5 (1103098-15) Soil Sampled: 07/11/11 16:00 Received: 07/12/11 9:30										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	75.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	54.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	60.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
205A-TT2_0.5-0.5 (1103098-16) Soil Sampled: 07/11/11 16:40 Received: 07/12/11 9:30										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	1.3	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	0.096	0.38	0.044	mg/kg dry	1	"	"	"	"	J
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
205A-TT2_0.5-0.5 (1103098-16) Soil Sampled: 07/11/11 16:40 Received: 07/12/11 9:30										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	97.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	82.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
205A-TT1_0.5-0.5 (1103098-17) Soil Sampled: 07/11/11 17:00 Received: 07/12/11 9:30										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	0.054	0.38	0.040	mg/kg dry	1	"	"	"	"	J
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.058	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.057	0.38	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.076	0.38	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
205A-TT1_0.5-0.5 (1103098-17) Soil Sampled: 07/11/11 17:00 Received: 07/12/11 9:30										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	0.062	0.38	0.050	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.12	0.38	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.061	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.11	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	95.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	81.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	84.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.0			51-99.6 %		"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
715B-TT1_0.5-0.5 (1103098-01) Soil Sampled: 07/11/11 07:45 Received: 07/12/11 9:30										
1,1,1,2-Tetrachloroethane	<0.065	0.27	0.065	mg/kg dry	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
1,1,1-Trichloroethane	<0.035	0.27	0.035	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.037	0.27	0.037	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.075	0.27	0.075	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.025	0.27	0.025	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.027	0.27	0.027	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.067	0.55	0.067	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.026	0.27	0.026	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.030	0.55	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.020	0.27	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.076	0.55	0.076	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.024	0.27	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.022	0.27	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.030	0.27	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.034	0.27	0.034	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.022	0.27	0.022	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.024	0.27	0.024	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.019	0.27	0.019	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.066	0.55	0.066	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.097	2.2	0.097	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.015	0.27	0.015	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
Acetone	<0.21	2.2	0.21	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.064	0.55	0.064	mg/kg dry	1	"	"	"	"	
Benzene	<0.016	0.27	0.016	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.030	0.27	0.030	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.041	0.27	0.041	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.030	0.27	0.030	mg/kg dry	1	"	"	"	"	
Bromoform	<0.030	0.55	0.030	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.55	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.037	0.27	0.037	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.021	0.27	0.021	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.041	0.27	0.041	mg/kg dry	1	"	"	"	"	
Chloroform	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.067	0.27	0.067	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.029	0.27	0.029	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
715B-TT1_0.5-0.5 (1103098-01) Soil Sampled: 07/11/11 07:45 Received: 07/12/11 9:30										
cis-1,3-Dichloropropene	<0.024	0.27	0.024	mg/kg dry	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
Dibromochloromethane	<0.037	0.27	0.037	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.032	0.27	0.032	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.11	0.55	0.11	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.042	0.27	0.042	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.042	0.55	0.042	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.012	0.27	0.012	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.076	1.1	0.076	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.021	0.27	0.021	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.052	0.55	0.052	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.090	0.55	0.090	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.018	0.27	0.018	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.22	1.1	0.064	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.060	0.55	0.060	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.030	0.27	0.030	mg/kg dry	1	"	"	"	"	M1
n-Propylbenzene	<0.023	0.27	0.023	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.027	0.27	0.027	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.015	0.27	0.015	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.019	0.27	0.019	mg/kg dry	1	"	"	"	"	
Styrene	<0.022	0.27	0.022	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.020	0.27	0.020	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.031	0.27	0.031	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.13	2.2	0.13	mg/kg dry	1	"	"	"	"	
Toluene	<0.018	0.27	0.018	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.033	0.27	0.033	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.025	0.27	0.025	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.045	0.27	0.045	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.038	0.27	0.038	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.071	0.27	0.071	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.9			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	91.5			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	89.7			78.1-125 %		"	"	"	"	

707LL-TT1_1-1 (1103098-04) Soil Sampled: 07/11/11 09:45 Received: 07/12/11 9:30										
1,1,1,2-Tetrachloroethane	<0.074	0.32	0.074	mg/kg dry	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
1,1,1-Trichloroethane	<0.040	0.32	0.040	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.033	0.32	0.033	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.043	0.32	0.043	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.086	0.32	0.086	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.029	0.32	0.029	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707LL-TT1_1-1 (1103098-04) Soil Sampled: 07/11/11 09:45 Received: 07/12/11 9:30										
1,1-Dichloroethene	<0.032	0.32	0.032	mg/kg dry	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
1,1-Dichloropropene	<0.026	0.32	0.026	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.077	0.63	0.077	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.030	0.32	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.034	0.63	0.034	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.023	0.32	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.087	0.63	0.087	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.028	0.32	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.025	0.32	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.039	0.32	0.039	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.025	0.32	0.025	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.32	0.033	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.028	0.32	0.028	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.021	0.32	0.021	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.076	0.63	0.076	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.11	2.5	0.11	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.018	0.32	0.018	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.026	0.32	0.026	mg/kg dry	1	"	"	"	"	
Acetone	0.25	2.5	0.24	mg/kg dry	1	"	"	"	"	J
Allyl chloride	<0.073	0.63	0.073	mg/kg dry	1	"	"	"	"	
Benzene	<0.019	0.32	0.019	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.047	0.32	0.047	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
Bromoform	<0.034	0.63	0.034	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.14	0.63	0.14	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.043	0.32	0.043	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.024	0.32	0.024	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.047	0.32	0.047	mg/kg dry	1	"	"	"	"	
Chloroform	<0.026	0.32	0.026	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.077	0.32	0.077	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.033	0.32	0.033	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.028	0.32	0.028	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.043	0.32	0.043	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.037	0.32	0.037	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.12	0.63	0.12	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.048	0.32	0.048	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.048	0.63	0.048	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707LL-TT1_1-1 (1103098-04) Soil Sampled: 07/11/11 09:45 Received: 07/12/11 9:30										
Ethylbenzene	<0.014	0.32	0.014	mg/kg dry	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
Hexachlorobutadiene	<0.087	1.3	0.087	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.024	0.32	0.024	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.059	0.63	0.059	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.10	0.63	0.10	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.020	0.32	0.020	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.25	1.3	0.073	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.069	0.63	0.069	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.026	0.32	0.026	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.032	0.32	0.032	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.018	0.32	0.018	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.021	0.32	0.021	mg/kg dry	1	"	"	"	"	
Styrene	<0.025	0.32	0.025	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.023	0.32	0.023	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.035	0.32	0.035	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.15	2.5	0.15	mg/kg dry	1	"	"	"	"	
Toluene	<0.020	0.32	0.020	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.038	0.32	0.038	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.029	0.32	0.029	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.052	0.32	0.052	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.044	0.32	0.044	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.082	0.32	0.082	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.4			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.8			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.8			78.1-125 %		"	"	"	"	

Trip Blank (1103098-10) Methanol Sampled: 07/11/11 00:00 Received: 07/12/11 9:30										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1103098-10) Methanol Sampled: 07/11/11 00:00 Received: 07/12/11 9:30										
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1103098-10) Methanol Sampled: 07/11/11 00:00 Received: 07/12/11 9:30										
Methylene chloride	0.14	1.0	0.058	mg/kg wet	1	B1G1512	07/15/11	07/15/11	EPA 8260B	B-01, J
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	"
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	"
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	"
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	"
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	"
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	"
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	"
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	"
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	"
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	"
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	"
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	"
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	"
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	"
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	"
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	90.3			80-124 %		"	"	"	"	"
Surrogate: Dibromofluoromethane	94.6			77.1-123 %		"	"	"	"	"
Surrogate: Toluene-d8	91.7			78.1-125 %		"	"	"	"	"

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EXPLOSIVES 8330
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706D-TT1_0.5-0.5 (1103098-13) Soil Sampled: 07/11/11 15:20 Received: 07/12/11 9:30										
1,3,5-Trinitrobenzene	<0.045	1.1	0.045	mg/kg dry	1	B1G2109	07/21/11	07/22/11	EPA 8330 (M)	
1,3-Dinitrobenzene	<0.049	1.1	0.049	mg/kg dry	1	"	"	"	"	
2,4,6-Trinitrotoluene	<0.14	1.1	0.14	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	1.1	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.094	1.1	0.094	mg/kg dry	1	"	"	"	"	
2-Amino-4,6-Dinitrotoluene	<0.076	1.1	0.076	mg/kg dry	1	"	"	"	"	
2-Nitrotoluene	<0.17	1.1	0.17	mg/kg dry	1	"	"	"	"	
3-Nitrotoluene	<0.25	1.1	0.25	mg/kg dry	1	"	"	"	"	
4-Amino-2,6-Dinitrotoluene	<0.079	1.1	0.079	mg/kg dry	1	"	"	"	"	
4-Nitrotoluene	<0.24	1.1	0.24	mg/kg dry	1	"	"	"	"	
HMX	<0.12	1.1	0.12	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.069	1.1	0.069	mg/kg dry	1	"	"	"	"	
RDX	<0.082	1.1	0.082	mg/kg dry	1	"	"	"	"	
Tetryl	<0.18	1.1	0.18	mg/kg dry	1	"	"	"	"	
Surrogate: 1,2-Dinitrobenzene	92.2			70-130 %		"	"	"	"	
FB-706D-TT1 (1103098-14) Water Sampled: 07/11/11 15:30 Received: 07/12/11 9:30										
1,3,5-Trinitrobenzene	<0.22	4.7	0.22	ug/L	1	B1G1811	07/18/11	07/22/11	EPA 8330 (M)	
1,3-Dinitrobenzene	<0.44	4.7	0.44	ug/L	1	"	"	"	"	
2,4,6-Trinitrotoluene	<0.45	4.7	0.45	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.40	4.7	0.40	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.66	4.7	0.66	ug/L	1	"	"	"	"	
2-Amino-4,6-Dinitrotoluene	<0.50	4.7	0.50	ug/L	1	"	"	"	"	
2-Nitrotoluene	<0.94	4.7	0.94	ug/L	1	"	"	"	"	
3-Nitrotoluene	<0.71	4.7	0.71	ug/L	1	"	"	"	"	
4-Amino-2,6-Dinitrotoluene	<0.59	4.7	0.59	ug/L	1	"	"	"	"	
4-Nitrotoluene	<1.3	4.7	1.3	ug/L	1	"	"	"	"	
HMX	<0.44	4.7	0.44	ug/L	1	"	"	"	"	
Nitrobenzene	<0.72	4.7	0.72	ug/L	1	"	"	"	"	
RDX	<0.56	4.7	0.56	ug/L	1	"	"	"	"	
Tetryl	<0.72	4.7	0.72	ug/L	1	"	"	"	"	
Surrogate: 1,2-Dinitrobenzene	82.0			70-130 %		"	"	"	"	

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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-TT2_0.5-0.5 (1103098-11) Soil Sampled: 07/11/11 14:15 Received: 07/12/11 9:30										
Flashpoint	>140			°F	1	B1G2010	07/20/11	07/22/11	EPA 1010A/ASTM D93(M)	
706D-TT1_0.5-0.5 (1103098-13) Soil Sampled: 07/11/11 15:20 Received: 07/12/11 9:30										
Flashpoint	>140			°F	1	B1G2010	07/20/11	07/22/11	EPA 1010A/ASTM D93(M)	
706A-TT3_0.5-0.5 (1103098-15) Soil Sampled: 07/11/11 16:00 Received: 07/12/11 9:30										
Flashpoint	>140			°F	1	B1G2010	07/20/11	07/22/11	EPA 1010A/ASTM D93(M)	
205A-TT2_0.5-0.5 (1103098-16) Soil Sampled: 07/11/11 16:40 Received: 07/12/11 9:30										
Flashpoint	>140			°F	1	B1G2010	07/20/11	07/22/11	EPA 1010A/ASTM D93(M)	
205A-TT1_0.5-0.5 (1103098-17) Soil Sampled: 07/11/11 17:00 Received: 07/12/11 9:30										
Flashpoint	>140			°F	1	B1G2010	07/20/11	07/22/11	EPA 1010A/ASTM D93(M)	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1302 - EPA 200.7/3005A Digestion

Blank (B1G1302-BLK1)

Prepared & Analyzed: 07/13/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1G1302-BS1)

Prepared & Analyzed: 07/13/11

Arsenic	0.420	0.010	0.0011	mg/L	0.399		105	80-120			
Barium	0.420	0.020	0.0012	mg/L	0.399		105	80-120			
Cadmium	0.430	0.0010	0.00013	mg/L	0.399		108	80-120			
Chromium	0.433	0.010	0.00024	mg/L	0.399		109	80-120			
Lead	0.437	0.0030	0.00042	mg/L	0.399		110	80-120			
Selenium	0.420	0.020	0.0019	mg/L	0.399		105	80-120			
Silver	0.0433	0.0050	0.00031	mg/L	0.0399		108	80-120			

LCS Dup (B1G1302-BSD1)

Prepared & Analyzed: 07/13/11

Arsenic	0.418	0.010	0.0011	mg/L	0.399		105	80-120	0.483	20	
Barium	0.426	0.020	0.0012	mg/L	0.399		107	80-120	1.44	20	
Cadmium	0.427	0.0010	0.00013	mg/L	0.399		107	80-120	0.709	20	
Chromium	0.430	0.010	0.00024	mg/L	0.399		108	80-120	0.629	20	
Lead	0.434	0.0030	0.00042	mg/L	0.399		109	80-120	0.766	20	
Selenium	0.417	0.020	0.0019	mg/L	0.399		105	80-120	0.686	20	
Silver	0.0429	0.0050	0.00031	mg/L	0.0399		107	80-120	0.944	20	

Matrix Spike (B1G1302-MS1)

Source: 1103058-05

Prepared & Analyzed: 07/13/11

Arsenic	0.409	0.010	0.0011	mg/L	0.399	<0.010	102	75-125			
Barium	0.416	0.020	0.0012	mg/L	0.399	<0.020	104	75-125			
Cadmium	0.417	0.0010	0.00013	mg/L	0.399	<0.0010	105	75-125			
Chromium	0.421	0.010	0.00024	mg/L	0.399	<0.010	106	75-125			
Lead	0.426	0.0030	0.00042	mg/L	0.399	<0.0030	107	75-125			
Selenium	0.407	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0426	0.0050	0.00031	mg/L	0.0399	<0.0050	107	75-125			

Matrix Spike Dup (B1G1302-MSD1)

Source: 1103058-05

Prepared & Analyzed: 07/13/11

Arsenic	0.413	0.010	0.0011	mg/L	0.399	<0.010	103	75-125	1.16	20	
Barium	0.420	0.020	0.0012	mg/L	0.399	<0.020	105	75-125	0.915	20	
Cadmium	0.423	0.0010	0.00013	mg/L	0.399	<0.0010	106	75-125	1.35	20	
Chromium	0.426	0.010	0.00024	mg/L	0.399	<0.010	107	75-125	1.12	20	
Lead	0.429	0.0030	0.00042	mg/L	0.399	<0.0030	108	75-125	0.804	20	
Selenium	0.413	0.020	0.0019	mg/L	0.399	<0.020	104	75-125	1.39	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1302 - EPA 200.7/3005A Digestion

Matrix Spike Dup (B1G1302-MSD1)

Source: 1103058-05

Prepared & Analyzed: 07/13/11

Silver	0.0423	0.0050	0.00031	mg/L	0.0399	<0.0050	106	75-125	0.787	20	
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Batch B1G1311 - EPA 3050B

Blank (B1G1311-BLK1)

Prepared: 07/13/11 Analyzed: 07/20/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G1311-BS1)

Prepared: 07/13/11 Analyzed: 07/20/11

Arsenic	39.7	0.50	0.055	mg/kg wet	39.9		99.6	80-120			
Barium	40.5	1.0	0.060	mg/kg wet	39.9		102	80-120			
Cadmium	38.9	0.25	0.033	mg/kg wet	39.9		97.6	80-120			
Chromium	39.6	0.50	0.012	mg/kg wet	39.9		99.4	80-120			
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	39.9	1.0	0.095	mg/kg wet	39.9		100	80-120			
Silver	3.96	0.25	0.016	mg/kg wet	3.99		99.1	80-120			

LCS Dup (B1G1311-BSD1)

Prepared: 07/13/11 Analyzed: 07/20/11

Arsenic	39.6	0.50	0.055	mg/kg wet	39.9		99.3	80-120	0.306	20	
Barium	40.8	1.0	0.060	mg/kg wet	39.9		102	80-120	0.671	20	
Cadmium	38.7	0.25	0.033	mg/kg wet	39.9		97.0	80-120	0.568	20	
Chromium	39.4	0.50	0.012	mg/kg wet	39.9		98.8	80-120	0.554	20	
Lead	41.7	1.0	0.14	mg/kg wet	39.9		104	80-120	0.663	20	
Selenium	39.6	1.0	0.095	mg/kg wet	39.9		99.3	80-120	0.685	20	
Silver	3.96	0.25	0.016	mg/kg wet	3.99		99.3	80-120	0.118	20	

Matrix Spike (B1G1311-MS1)

Source: 1103098-01

Prepared: 07/13/11 Analyzed: 07/20/11

Arsenic	48.9	0.55	0.060	mg/kg dry	41.8	4.97	105	75-125			
Barium	110	1.1	0.066	mg/kg dry	41.8	58.7	124	75-125			
Cadmium	42.9	0.27	0.036	mg/kg dry	41.8	0.322	102	75-125			
Chromium	51.2	0.55	0.013	mg/kg dry	41.8	13.9	89.2	75-125			
Lead	57.4	1.1	0.15	mg/kg dry	41.8	22.5	83.4	75-125			
Selenium	42.7	1.1	0.10	mg/kg dry	41.8	<1.1	102	75-125			
Silver	4.19	0.27	0.018	mg/kg dry	4.18	<0.27	100	75-125			

Matrix Spike Dup (B1G1311-MSD1)

Source: 1103098-01

Prepared: 07/13/11 Analyzed: 07/20/11

Arsenic	48.9	0.55	0.060	mg/kg dry	42.6	4.97	103	75-125	0.0482	20	
Barium	96.8	1.1	0.066	mg/kg dry	42.6	58.7	89.5	75-125	13.2	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1311 - EPA 3050B											
Matrix Spike Dup (B1G1311-MSD1)		Source: 1103098-01		Prepared: 07/13/11 Analyzed: 07/20/11							
Cadmium	43.1	0.27	0.036	mg/kg dry	42.6	0.322	100	75-125	0.316	20	
Chromium	53.6	0.55	0.013	mg/kg dry	42.6	13.9	93.3	75-125	4.55	20	
Lead	66.7	1.1	0.15	mg/kg dry	42.6	22.5	104	75-125	15.1	20	
Selenium	42.9	1.1	0.10	mg/kg dry	42.6	<1.1	101	75-125	0.281	20	
Silver	4.16	0.27	0.018	mg/kg dry	4.26	<0.27	97.7	75-125	0.837	20	
Batch B1G1410 - EPA 7471A											
Blank (B1G1410-BLK1)		Prepared: 07/14/11 Analyzed: 07/21/11									
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G1410-BS1)		Prepared: 07/14/11 Analyzed: 07/21/11									
Mercury	0.190	0.10	0.019	mg/kg wet	0.200	95.0	80-120				
LCS Dup (B1G1410-BSD1)		Prepared: 07/14/11 Analyzed: 07/21/11									
Mercury	0.196	0.10	0.019	mg/kg wet	0.200	98.0	80-120	3.11	20		
Matrix Spike (B1G1410-MS1)		Source: 1103098-07		Prepared: 07/14/11 Analyzed: 07/21/11							
Mercury	0.211	0.11	0.021	mg/kg dry	0.209	<0.11	101	75-125			
Matrix Spike Dup (B1G1410-MSD1)		Source: 1103098-07		Prepared: 07/14/11 Analyzed: 07/21/11							
Mercury	0.218	0.11	0.021	mg/kg dry	0.211	<0.11	104	75-125	3.35	20	
Batch B1G2001 - EPA 245.1/7470A Digestion											
Blank (B1G2001-BLK1)		Prepared & Analyzed: 07/20/11									
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1G2001-BS1)		Prepared & Analyzed: 07/20/11									
Mercury	0.00185	0.00020	0.000037	mg/L	0.00200	92.5	80-120				
LCS Dup (B1G2001-BSD1)		Prepared & Analyzed: 07/20/11									
Mercury	0.00183	0.00020	0.000037	mg/L	0.00200	91.5	80-120	1.09	20		
Matrix Spike (B1G2001-MS1)		Source: 1103058-05		Prepared & Analyzed: 07/20/11							
Mercury	0.00185	0.00020	0.000037	mg/L	0.00200	<0.00020	92.5	75-125			
Matrix Spike Dup (B1G2001-MSD1)		Source: 1103058-05		Prepared & Analyzed: 07/20/11							
Mercury	0.00187	0.00020	0.000037	mg/L	0.00200	<0.00020	93.5	75-125	1.08	20	

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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1504 - EPA 3545 ASE Extraction											
Blank (B1G1504-BLK1)						Prepared & Analyzed: 07/15/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0677			mg/kg wet	0.0667		102	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0670			mg/kg wet	0.0667		100	60.9-138			
LCS (B1G1504-BS1)						Prepared: 07/15/11 Analyzed: 07/16/11					
Aroclor 1260	0.344	0.20	0.0059	mg/kg wet	0.333		103	70-130			
Surrogate: Decachlorobiphenyl	0.0710			mg/kg wet	0.0667		106	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0680			mg/kg wet	0.0667		102	60.9-138			
Matrix Spike (B1G1504-MS1)						Source: 1103077-01 Prepared: 07/15/11 Analyzed: 07/16/11					
Aroclor 1260	0.393	0.22	0.0064	mg/kg dry	0.362	<0.22	109	70-130			
Surrogate: Decachlorobiphenyl	0.0800			mg/kg dry	0.0724		110	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0771			mg/kg dry	0.0724		106	60.9-138			
Matrix Spike Dup (B1G1504-MSD1)						Source: 1103077-01 Prepared: 07/15/11 Analyzed: 07/16/11					
Aroclor 1260	0.406	0.22	0.0064	mg/kg dry	0.362	<0.22	112	70-130	3.37	17.2	
Surrogate: Decachlorobiphenyl	0.0832			mg/kg dry	0.0723		115	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0796			mg/kg dry	0.0723		110	60.9-138			

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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1514 - General Preparation											
Duplicate (B1G1514-DUP1)											
	Source: 1103087-04					Prepared: 07/15/11	Analyzed: 07/18/11				
% Solids	51.0			%		56.0			9.35	20	
Duplicate (B1G1514-DUP2)											
	Source: 1103098-09					Prepared: 07/15/11	Analyzed: 07/18/11				
% Solids	85.0			%		84.0			1.18	20	
Duplicate (B1G1514-DUP3)											
	Source: 1103098-17					Prepared: 07/15/11	Analyzed: 07/18/11				
% Solids	88.0			%		88.0			0.00	20	

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1306 - EPA 3510C (Sep Funnel)

Blank (B1G1306-BLK1)

Prepared & Analyzed: 07/13/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1306 - EPA 3510C (Sep Funnel)

Blank (B1G1306-BLK1)

Prepared & Analyzed: 07/13/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	97.8			ug/L	100		97.8	30-122			
Surrogate: 2-Fluorobiphenyl	93.6			ug/L	100		93.6	39.2-104			
Surrogate: 2-Fluorophenol	68.3			ug/L	100		68.3	30-80.1			
Surrogate: Nitrobenzene-d5	99.9			ug/L	100		99.9	51.2-103			
Surrogate: Phenol-d6	63.1			ug/L	100		63.1	30-75.3			
Surrogate: Terphenyl-d14	93.8			ug/L	100		93.8	30-116			

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1306 - EPA 3510C (Sep Funnel)

LCS (B1G1306-BS1)

Prepared & Analyzed: 07/13/11

1,2,4-Trichlorobenzene	69.6	10	0.30	ug/L	100		69.6	47.4-88.7			
1,4-Dichlorobenzene	72.6	10	0.29	ug/L	100		72.6	39.5-81			
2,4-Dinitrotoluene	83.8	10	0.45	ug/L	100		83.8	67.2-99.3			
2-Chlorophenol	74.4	10	0.39	ug/L	100		74.4	56.5-85.9			
4-Chloro-3-methylphenol	81.7	10	0.48	ug/L	100		81.7	62.1-98.2			
4-Nitrophenol	74.5	10	0.78	ug/L	100		74.5	40.5-98.5			
Anthracene	85.3	10	0.56	ug/L	100		85.3	70.6-95.3			
Benzo(a)anthracene	90.7	10	0.50	ug/L	100		90.7	73.7-96.6			
Benzo(a)pyrene	90.0	10	0.41	ug/L	100		90.0	70.9-92.6			
Chrysene	92.1	10	0.61	ug/L	100		92.1	71.8-97.5			
Fluoranthene	84.8	10	0.61	ug/L	100		84.8	73.6-96.8			
Fluorene	74.9	10	0.52	ug/L	100		74.9	69.3-93.3			
N-Nitrosodi-n-propylamine	82.3	10	0.25	ug/L	100		82.3	65.9-89.3			
Pentachlorophenol	91.8	10	0.90	ug/L	100		91.8	55-107			
Phenanthrene	88.0	10	0.35	ug/L	100		88.0	72.5-97.6			
Phenol	56.3	10	0.41	ug/L	100		56.3	34.1-71.6			
Surrogate: 2,4,6-Tribromophenol	93.4			ug/L	100		93.4	30-122			
Surrogate: 2-Fluorobiphenyl	93.4			ug/L	100		93.4	39.2-104			
Surrogate: 2-Fluorophenol	70.0			ug/L	100		70.0	30-80.1			
Surrogate: Nitrobenzene-d5	103			ug/L	100		103	51.2-103			
Surrogate: Phenol-d6	64.6			ug/L	100		64.6	30-75.3			
Surrogate: Terphenyl-d14	106			ug/L	100		106	30-116			

LCS Dup (B1G1306-BSD1)

Prepared & Analyzed: 07/13/11

Q9, QM-10

1,2,4-Trichlorobenzene	67.1	10	0.30	ug/L	100		67.1	47.4-88.7	3.57	20	
1,4-Dichlorobenzene	71.3	10	0.29	ug/L	100		71.3	39.5-81	1.90	20	
2,4-Dinitrotoluene	85.1	10	0.45	ug/L	100		85.1	67.2-99.3	1.53	20	
2-Chlorophenol	75.1	10	0.39	ug/L	100		75.1	56.5-85.9	1.02	20	
4-Chloro-3-methylphenol	83.1	10	0.48	ug/L	100		83.1	62.1-98.2	1.69	20	
4-Nitrophenol	75.4	10	0.78	ug/L	100		75.4	40.5-98.5	1.16	20	
Anthracene	85.6	10	0.56	ug/L	100		85.6	70.6-95.3	0.375	20	
Benzo(a)anthracene	90.6	10	0.50	ug/L	100		90.6	73.7-96.6	0.105	20	
Benzo(a)pyrene	90.2	10	0.41	ug/L	100		90.2	70.9-92.6	0.227	20	
Chrysene	92.4	10	0.61	ug/L	100		92.4	71.8-97.5	0.304	20	
Fluoranthene	86.5	10	0.61	ug/L	100		86.5	73.6-96.8	1.97	20	
Fluorene	76.0	10	0.52	ug/L	100		76.0	69.3-93.3	1.53	20	
N-Nitrosodi-n-propylamine	83.2	10	0.25	ug/L	100		83.2	65.9-89.3	1.11	20	
Pentachlorophenol	91.0	10	0.90	ug/L	100		91.0	55-107	0.815	20	
Phenanthrene	87.9	10	0.35	ug/L	100		87.9	72.5-97.6	0.158	20	
Phenol	56.4	10	0.41	ug/L	100		56.4	34.1-71.6	0.311	20	

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1306 - EPA 3510C (Sep Funnel)											
LCS Dup (B1G1306-BSD1)											
Prepared & Analyzed: 07/13/11 Q9, QM-10											
Surrogate: 2,4,6-Tribromophenol	92.4			ug/L	100		92.4	30-122			
Surrogate: 2-Fluorobiphenyl	92.0			ug/L	100		92.0	39.2-104			
Surrogate: 2-Fluorophenol	69.1			ug/L	100		69.1	30-80.1			
Surrogate: Nitrobenzene-d5	103			ug/L	100		103	51.2-103			
Surrogate: Phenol-d6	64.6			ug/L	100		64.6	30-75.3			
Surrogate: Terphenyl-d14	104			ug/L	100		104	30-116			

Batch B1G1406 - EPA 3545 ASE Extraction

Blank (B1G1406-BLK1)											
Prepared & Analyzed: 07/14/11											
1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1406 - EPA 3545 ASE Extraction

Blank (B1G1406-BLK1)

Prepared & Analyzed: 07/14/11

Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1406 - EPA 3545 ASE Extraction

Blank (B1G1406-BLK1)

Prepared & Analyzed: 07/14/11

Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.84			mg/kg wet	6.67		72.5	53-107			
Surrogate: 2-Fluorobiphenyl	4.58			mg/kg wet	6.67		68.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.57			mg/kg wet	6.67		53.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.83			mg/kg wet	6.67		72.4	48.9-100			
Surrogate: Phenol-d6	3.84			mg/kg wet	6.67		57.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.93			mg/kg wet	6.67		73.9	51-99.6			

LCS (B1G1406-BS1)

Prepared & Analyzed: 07/14/11

1,2,4-Trichlorobenzene	4.56	0.33	0.031	mg/kg wet	6.67		68.4	59.1-87.7			
1,4-Dichlorobenzene	4.14	0.33	0.029	mg/kg wet	6.67		62.0	50.3-72.9			
2,4-Dinitrotoluene	4.56	0.33	0.035	mg/kg wet	6.67		68.5	59.8-82.2			
2-Chlorophenol	4.78	0.67	0.060	mg/kg wet	6.67		71.6	59.7-77.3			
4-Chloro-3-methylphenol	4.92	0.67	0.066	mg/kg wet	6.67		73.9	63.6-80.4			
4-Nitrophenol	4.66	0.67	0.093	mg/kg wet	6.67		69.8	57.3-84.9			
Anthracene	5.03	0.33	0.036	mg/kg wet	6.67		75.4	67.3-88			
Benzo(a)anthracene	5.18	0.33	0.041	mg/kg wet	6.67		77.6	66.5-90.5			
Benzo(a)pyrene	5.14	0.33	0.042	mg/kg wet	6.67		77.1	66.1-89.7			
Chrysene	5.21	0.33	0.044	mg/kg wet	6.67		78.2	65.5-90.5			
Fluoranthene	4.99	0.33	0.039	mg/kg wet	6.67		74.8	66.7-89.9			
Fluorene	4.55	0.33	0.035	mg/kg wet	6.67		68.2	66.2-85.6			
N-Nitrosodi-n-propylamine	4.58	0.33	0.033	mg/kg wet	6.67		68.7	59.4-78			
Pentachlorophenol	4.42	0.67	0.078	mg/kg wet	6.67		66.3	46.7-83.2			
Phenanthrene	5.11	0.33	0.036	mg/kg wet	6.67		76.7	67.5-87.9			
Phenol	4.19	0.67	0.069	mg/kg wet	6.67		62.9	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.71			mg/kg wet	6.67		85.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.31			mg/kg wet	6.67		64.6	53.9-97.9			
Surrogate: 2-Fluorophenol	4.23			mg/kg wet	6.67		63.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.52			mg/kg wet	6.67		67.7	48.9-100			
Surrogate: Phenol-d6	4.54			mg/kg wet	6.67		68.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.61			mg/kg wet	6.67		69.1	51-99.6			

Matrix Spike (B1G1406-MS1)

Source: 1103077-02

Prepared: 07/14/11 Analyzed: 07/15/11

1,2,4-Trichlorobenzene	4.73	0.36	0.034	mg/kg dry	7.36	<0.36	64.3	44.8-97.9			
1,4-Dichlorobenzene	4.27	0.36	0.032	mg/kg dry	7.36	<0.36	58.1	42.3-77.9			
2,4-Dinitrotoluene	4.90	0.36	0.038	mg/kg dry	7.36	<0.36	66.6	57.3-86.6			
2-Chlorophenol	4.72	0.74	0.066	mg/kg dry	7.36	<0.74	64.1	43.3-93.2			
4-Chloro-3-methylphenol	5.04	0.74	0.073	mg/kg dry	7.36	<0.74	68.5	47.1-97.6			
4-Nitrophenol	4.78	0.74	0.10	mg/kg dry	7.36	<0.74	64.9	49.3-96.2			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1406 - EPA 3545 ASE Extraction

Matrix Spike (B1G1406-MS1)

Source: 1103077-02

Prepared: 07/14/11

Analyzed: 07/15/11

Anthracene	5.31	0.36	0.040	mg/kg dry	7.36	<0.36	72.2	67.5-93.1			
Benzo(a)anthracene	5.27	0.36	0.045	mg/kg dry	7.36	<0.36	71.7	59.8-95.7			
Benzo(a)pyrene	5.33	0.36	0.046	mg/kg dry	7.36	<0.36	72.4	59.8-92.7			
Chrysene	5.40	0.36	0.048	mg/kg dry	7.36	<0.36	73.4	62.5-94.6			
Fluoranthene	5.11	0.36	0.043	mg/kg dry	7.36	<0.36	69.5	61.3-92.8			
Fluorene	4.91	0.36	0.038	mg/kg dry	7.36	<0.36	66.8	62.8-92.6			
N-Nitrosodi-n-propylamine	4.98	0.36	0.036	mg/kg dry	7.36	<0.36	67.6	46.9-89.9			
Pentachlorophenol	5.40	0.74	0.086	mg/kg dry	7.36	<0.74	73.5	40.1-95.1			
Phenanthrene	5.42	0.36	0.040	mg/kg dry	7.36	<0.36	73.7	65.2-92.2			
Phenol	4.08	0.74	0.076	mg/kg dry	7.36	<0.74	55.5	44.7-91			
Surrogate: 2,4,6-Tribromophenol	6.22			mg/kg dry	7.36		84.6	53-107			
Surrogate: 2-Fluorobiphenyl	5.58			mg/kg dry	7.36		75.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.43			mg/kg dry	7.36		60.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.97			mg/kg dry	7.36		81.2	48.9-100			
Surrogate: Phenol-d6	4.79			mg/kg dry	7.36		65.1	50.4-99.6			
Surrogate: Terphenyl-d14	6.13			mg/kg dry	7.36		83.3	51-99.6			

Matrix Spike Dup (B1G1406-MSD1)

Source: 1103077-02

Prepared: 07/14/11

Analyzed: 07/15/11

1,2,4-Trichlorobenzene	5.06	0.36	0.034	mg/kg dry	7.36	<0.36	68.8	44.8-97.9	6.74	19.6	
1,4-Dichlorobenzene	4.65	0.36	0.032	mg/kg dry	7.36	<0.36	63.2	42.3-77.9	8.50	22.4	
2,4-Dinitrotoluene	5.08	0.36	0.038	mg/kg dry	7.36	<0.36	69.0	57.3-86.6	3.64	19.5	
2-Chlorophenol	5.07	0.74	0.066	mg/kg dry	7.36	<0.74	68.9	43.3-93.2	7.19	23.7	
4-Chloro-3-methylphenol	5.25	0.74	0.073	mg/kg dry	7.36	<0.74	71.4	47.1-97.6	4.19	18.3	
4-Nitrophenol	4.95	0.74	0.10	mg/kg dry	7.36	<0.74	67.2	49.3-96.2	3.52	20.4	
Anthracene	5.55	0.36	0.040	mg/kg dry	7.36	<0.36	75.5	67.5-93.1	4.47	19.9	
Benzo(a)anthracene	5.46	0.36	0.045	mg/kg dry	7.36	<0.36	74.2	59.8-95.7	3.53	23.4	
Benzo(a)pyrene	5.52	0.36	0.046	mg/kg dry	7.36	<0.36	75.0	59.8-92.7	3.51	21.1	
Chrysene	5.66	0.36	0.048	mg/kg dry	7.36	<0.36	76.9	62.5-94.6	4.68	24.8	
Fluoranthene	5.21	0.36	0.043	mg/kg dry	7.36	<0.36	70.8	61.3-92.8	1.94	21.8	
Fluorene	5.11	0.36	0.038	mg/kg dry	7.36	<0.36	69.5	62.8-92.6	3.98	17.6	
N-Nitrosodi-n-propylamine	5.35	0.36	0.036	mg/kg dry	7.36	<0.36	72.7	46.9-89.9	7.31	18.9	
Pentachlorophenol	5.61	0.74	0.086	mg/kg dry	7.36	<0.74	76.2	40.1-95.1	3.77	19.7	
Phenanthrene	5.66	0.36	0.040	mg/kg dry	7.36	<0.36	76.9	65.2-92.2	4.29	20.5	
Phenol	4.33	0.74	0.076	mg/kg dry	7.36	<0.74	58.9	44.7-91	6.04	17.9	
Surrogate: 2,4,6-Tribromophenol	6.64			mg/kg dry	7.36		90.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.95			mg/kg dry	7.36		80.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.77			mg/kg dry	7.36		64.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.39			mg/kg dry	7.36		86.9	48.9-100			
Surrogate: Phenol-d6	5.18			mg/kg dry	7.36		70.4	50.4-99.6			
Surrogate: Terphenyl-d14	6.58			mg/kg dry	7.36		89.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1512 - EPA 5035 Soil (Purge and Trap)

Blank (B1G1512-BLK1)

Prepared & Analyzed: 07/15/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1512 - EPA 5035 Soil (Purge and Trap)

Blank (B1G1512-BLK1)

Prepared & Analyzed: 07/15/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	0.0765	1.0	0.058	mg/kg wet							B-02, J
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	44.4			ug/L	50.0		88.9	80-124			
Surrogate: Dibromofluoromethane	46.8			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	45.5			ug/L	50.0		91.0	78.1-125			

LCS (B1G1512-BS1)

Prepared & Analyzed: 07/15/11

1,1,2,2-Tetrachloroethane	46.0			ug/L	50.0		91.9	75-120			
1,1-Dichloroethane	47.6			ug/L	50.0		95.2	79.6-120			
1,1-Dichloroethene	42.6			ug/L	50.0		85.1	78.3-120			
1,3,5-Trimethylbenzene	51.1			ug/L	50.0		102	77-120			
1,4-Dichlorobenzene	53.5			ug/L	50.0		107	75-125			
2-Chlorotoluene	49.4			ug/L	50.0		98.8	75.9-120			

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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1512 - EPA 5035 Soil (Purge and Trap)

LCS (B1G1512-BS1)

Prepared & Analyzed: 07/15/11

Benzene	47.4			ug/L	50.0		94.9	80-120			
Bromoform	52.4			ug/L	50.0		105	80-120			
Chlorobenzene	52.4			ug/L	50.0		105	80-120			
Chloroform	46.3			ug/L	50.0		92.6	80-120			
Ethylbenzene	51.7			ug/L	50.0		103	80-120			
n-Butylbenzene	62.3			ug/L	50.0		125	75-125			
n-Propylbenzene	51.1			ug/L	50.0		102	75-120			
Toluene	49.2			ug/L	50.0		98.4	80-120			
Trichloroethene	47.7			ug/L	50.0		95.5	80-120			
Vinyl chloride	44.4			ug/L	50.0		88.9	75-130			
Surrogate: 4-Bromofluorobenzene	48.0			ug/L	50.0		96.0	80-124			
Surrogate: Dibromofluoromethane	46.8			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	46.2			ug/L	50.0		92.3	78.1-125			

Matrix Spike (B1G1512-MS1)

Source: 1103098-01

Prepared & Analyzed: 07/15/11

1,1,2,2-Tetrachloroethane	50.6			ug/L	50.0	<	101	75-125			
1,1-Dichloroethane	45.3			ug/L	50.0	<	90.6	78.7-123			
1,1-Dichloroethene	41.5			ug/L	50.0	<	83.0	75.8-121			
1,3,5-Trimethylbenzene	52.2			ug/L	50.0	<	104	75-120			
1,4-Dichlorobenzene	53.5			ug/L	50.0	<	107	75-125			
2-Chlorotoluene	50.6			ug/L	50.0	<	101	75-120			
Benzene	47.3			ug/L	50.0	<	94.6	80-120			
Bromoform	49.8			ug/L	50.0	<	99.5	80-120			
Chlorobenzene	50.1			ug/L	50.0	<	100	80-120			
Chloroform	43.7			ug/L	50.0	<	87.4	80-120			
Ethylbenzene	49.9			ug/L	50.0	<	99.8	80-120			
n-Butylbenzene	61.7			ug/L	50.0	<	123	73.8-125			
n-Propylbenzene	53.4			ug/L	50.0	<	107	75-120			
Toluene	49.3			ug/L	50.0	<	98.7	80-120			
Trichloroethene	45.4			ug/L	50.0	<	90.9	80-120			
Vinyl chloride	42.8			ug/L	50.0	<	85.7	74.8-130			
Surrogate: 4-Bromofluorobenzene	48.4			ug/L	50.0		96.8	80-124			
Surrogate: Dibromofluoromethane	47.5			ug/L	50.0		95.0	77.1-123			
Surrogate: Toluene-d8	46.3			ug/L	50.0		92.6	78.1-125			

Matrix Spike Dup (B1G1512-MSD1)

Source: 1103098-01

Prepared & Analyzed: 07/15/11

1,1,2,2-Tetrachloroethane	49.9			ug/L	50.0	<	99.8	75-125	1.53	20	
1,1-Dichloroethane	45.4			ug/L	50.0	<	90.8	78.7-123	0.230	20	
1,1-Dichloroethene	42.4			ug/L	50.0	<	84.7	75.8-121	2.07	20	
1,3,5-Trimethylbenzene	52.1			ug/L	50.0	<	104	75-120	0.261	20	

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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1512 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1G1512-MSD1)		Source: 1103098-01				Prepared & Analyzed: 07/15/11					
1,4-Dichlorobenzene	54.2			ug/L	50.0	<	108	75-125	1.28	20	
2-Chlorotoluene	50.7			ug/L	50.0	<	101	75-120	0.0225	20	
Benzene	46.0			ug/L	50.0	<	92.1	80-120	2.74	20	
Bromoform	51.5			ug/L	50.0	<	103	80-120	3.51	20	
Chlorobenzene	51.1			ug/L	50.0	<	102	80-120	1.90	20	
Chloroform	44.1			ug/L	50.0	<	88.3	80-120	0.974	20	
Ethylbenzene	51.0			ug/L	50.0	<	102	80-120	2.19	20	
n-Butylbenzene	63.5			ug/L	50.0	<	127	73.8-125	2.91	20	M1
n-Propylbenzene	53.2			ug/L	50.0	<	106	75-120	0.410	20	
Toluene	48.0			ug/L	50.0	<	96.0	80-120	2.75	20	
Trichloroethene	45.5			ug/L	50.0	<	91.1	80-120	0.224	20	
Vinyl chloride	43.9			ug/L	50.0	<	87.8	74.8-130	2.48	20	
Surrogate: 4-Bromofluorobenzene	47.2			ug/L	50.0		94.5	80-124			
Surrogate: Dibromofluoromethane	46.2			ug/L	50.0		92.4	77.1-123			
Surrogate: Toluene-d8	45.4			ug/L	50.0		90.8	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1811 - General Prep Dept 4

Blank (B1G1811-BLK1)

Prepared: 07/18/11 Analyzed: 07/22/11

1,3,5-Trinitrobenzene	< 0.19	4.0	0.19	ug/L							
1,3-Dinitrobenzene	< 0.38	4.0	0.38	ug/L							
2,4,6-Trinitrotoluene	< 0.39	4.0	0.39	ug/L							
2,4-Dinitrotoluene	< 0.34	4.0	0.34	ug/L							
2,6-Dinitrotoluene	< 0.57	4.0	0.57	ug/L							
2-Amino-4,6-Dinitrotoluene	< 0.43	4.0	0.43	ug/L							
2-Nitrotoluene	< 0.81	4.0	0.81	ug/L							
3-Nitrotoluene	< 0.61	4.0	0.61	ug/L							
4-Amino-2,6-Dinitrotoluene	< 0.51	4.0	0.51	ug/L							
4-Nitrotoluene	< 1.1	4.0	1.1	ug/L							
HMX	< 0.38	4.0	0.38	ug/L							
Nitrobenzene	< 0.62	4.0	0.62	ug/L							
RDX	< 0.48	4.0	0.48	ug/L							
Tetryl	< 0.62	4.0	0.62	ug/L							
Surrogate: 1,2-Dinitrobenzene	17.1			ug/L	20.0		85.4	70-130			

LCS (B1G1811-BS1)

Prepared: 07/18/11 Analyzed: 07/22/11

1,3,5-Trinitrobenzene	16.3	4.0	0.19	ug/L	20.0		81.6	70-130			
1,3-Dinitrobenzene	16.8	4.0	0.38	ug/L	20.0		84.0	70-130			
2,4,6-Trinitrotoluene	16.1	4.0	0.39	ug/L	20.0		80.3	70-130			
2,4-Dinitrotoluene	15.1	4.0	0.34	ug/L	20.0		75.4	70-130			
2,6-Dinitrotoluene	14.8	4.0	0.57	ug/L	20.0		74.2	70-130			
2-Amino-4,6-Dinitrotoluene	15.9	4.0	0.43	ug/L	20.0		79.7	70-130			
2-Nitrotoluene	14.1	4.0	0.81	ug/L	20.0		70.6	70-130			
3-Nitrotoluene	14.4	4.0	0.61	ug/L	20.0		71.8	70-130			
4-Amino-2,6-Dinitrotoluene	15.6	4.0	0.51	ug/L	20.0		78.2	70-130			
4-Nitrotoluene	14.4	4.0	1.1	ug/L	20.0		71.8	70-130			
HMX	17.0	4.0	0.38	ug/L	20.0		84.8	70-130			
Nitrobenzene	14.8	4.0	0.62	ug/L	20.0		74.2	70-130			
RDX	16.6	4.0	0.48	ug/L	20.0		83.0	70-130			
Tetryl	14.5	4.0	0.62	ug/L	20.0		72.4	70-130			
Surrogate: 1,2-Dinitrobenzene	15.0			ug/L	20.0		75.0	70-130			

LCS Dup (B1G1811-BS1)

Prepared: 07/18/11 Analyzed: 07/22/11

Q9, QM-10

1,3,5-Trinitrobenzene	16.5	4.0	0.19	ug/L	20.0		82.4	70-130	0.976	20	
1,3-Dinitrobenzene	17.8	4.0	0.38	ug/L	20.0		89.0	70-130	5.90	20	
2,4,6-Trinitrotoluene	16.7	4.0	0.39	ug/L	20.0		83.7	70-130	4.15	20	
2,4-Dinitrotoluene	16.8	4.0	0.34	ug/L	20.0		84.0	70-130	10.8	20	
2,6-Dinitrotoluene	16.6	4.0	0.57	ug/L	20.0		83.0	70-130	11.2	20	
2-Amino-4,6-Dinitrotoluene	17.0	4.0	0.43	ug/L	20.0		84.8	70-130	6.26	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1811 - General Prep Dept 4											
LCS Dup (B1G1811-BSD1)											
											Q9, QM-10
2-Nitrotoluene	15.5	4.0	0.81	ug/L	20.0		77.6	70-130	9.44	20	
3-Nitrotoluene	15.1	4.0	0.61	ug/L	20.0		75.4	70-130	4.83	20	
4-Amino-2,6-Dinitrotoluene	16.4	4.0	0.51	ug/L	20.0		81.8	70-130	4.56	20	
4-Nitrotoluene	15.7	4.0	1.1	ug/L	20.0		78.4	70-130	8.85	20	
HMX	15.5	4.0	0.38	ug/L	20.0		77.5	70-130	9.00	20	
Nitrobenzene	15.7	4.0	0.62	ug/L	20.0		78.6	70-130	5.76	20	
RDX	15.8	4.0	0.48	ug/L	20.0		79.1	70-130	4.87	20	
Tetryl	16.1	4.0	0.62	ug/L	20.0		80.4	70-130	10.5	20	
Surrogate: 1,2-Dinitrobenzene	16.2			ug/L	20.0		81.2	70-130			

Batch B1G2109 - General Prep Dept 4											
Blank (B1G2109-BLK1)											
1,3,5-Trinitrobenzene	< 0.043	1.0	0.043	mg/kg wet							
1,3-Dinitrobenzene	< 0.047	1.0	0.047	mg/kg wet							
2,4,6-Trinitrotoluene	< 0.13	1.0	0.13	mg/kg wet							
2,4-Dinitrotoluene	< 0.039	1.0	0.039	mg/kg wet							
2,6-Dinitrotoluene	< 0.089	1.0	0.089	mg/kg wet							
2-Amino-4,6-Dinitrotoluene	< 0.072	1.0	0.072	mg/kg wet							
2-Nitrotoluene	< 0.16	1.0	0.16	mg/kg wet							
3-Nitrotoluene	< 0.24	1.0	0.24	mg/kg wet							
4-Amino-2,6-Dinitrotoluene	< 0.075	1.0	0.075	mg/kg wet							
4-Nitrotoluene	< 0.23	1.0	0.23	mg/kg wet							
HMX	< 0.11	1.0	0.11	mg/kg wet							
Nitrobenzene	< 0.066	1.0	0.066	mg/kg wet							
RDX	< 0.078	1.0	0.078	mg/kg wet							
Tetryl	< 0.17	1.0	0.17	mg/kg wet							
Surrogate: 1,2-Dinitrobenzene	4.98			mg/kg wet	5.02		99.2	70-130			

LCS (B1G2109-BS1)											
1,3,5-Trinitrobenzene	4.34	0.93	0.040	mg/kg wet	4.66		93.0	70-130			
1,3-Dinitrobenzene	4.65	0.93	0.044	mg/kg wet	4.66		99.6	70-130			
2,4,6-Trinitrotoluene	4.28	0.93	0.12	mg/kg wet	4.66		91.8	70-130			
2,4-Dinitrotoluene	4.21	0.93	0.036	mg/kg wet	4.66		90.4	70-130			
2,6-Dinitrotoluene	4.16	0.93	0.083	mg/kg wet	4.66		89.1	70-130			
2-Amino-4,6-Dinitrotoluene	4.36	0.93	0.067	mg/kg wet	4.66		93.6	70-130			
2-Nitrotoluene	4.23	0.93	0.15	mg/kg wet	4.66		90.8	70-130			
3-Nitrotoluene	4.04	0.93	0.22	mg/kg wet	4.66		86.7	70-130			
4-Amino-2,6-Dinitrotoluene	4.48	0.93	0.070	mg/kg wet	4.66		96.0	70-130			
4-Nitrotoluene	4.38	0.93	0.21	mg/kg wet	4.66		93.8	70-130			
HMX	4.28	0.93	0.10	mg/kg wet	4.66		91.9	70-130			

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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2109 - General Prep Dept 4

LCS (B1G2109-BS1)

Prepared: 07/21/11 Analyzed: 07/22/11

Nitrobenzene	4.16	0.93	0.062	mg/kg wet	4.66		89.2	70-130			
RDX	4.37	0.93	0.073	mg/kg wet	4.66		93.7	70-130			
Tetryl	4.24	0.93	0.16	mg/kg wet	4.66		90.8	70-130			
Surrogate: 1,2-Dinitrobenzene	4.14			mg/kg wet	4.66		88.7	70-130			

Matrix Spike (B1G2109-MS1)

Source: 1103098-13

Prepared: 07/21/11 Analyzed: 07/22/11

1,3,5-Trinitrobenzene	4.64	1.1	0.045	mg/kg dry	5.18	<1.1	89.5	70-130			
1,3-Dinitrobenzene	5.05	1.1	0.049	mg/kg dry	5.18	<1.1	97.5	70-130			
2,4,6-Trinitrotoluene	4.75	1.1	0.14	mg/kg dry	5.18	<1.1	91.6	70-130			
2,4-Dinitrotoluene	4.69	1.1	0.041	mg/kg dry	5.18	<1.1	90.5	70-130			
2,6-Dinitrotoluene	4.61	1.1	0.094	mg/kg dry	5.18	<1.1	88.9	70-130			
2-Amino-4,6-Dinitrotoluene	4.72	1.1	0.076	mg/kg dry	5.18	<1.1	91.0	70-130			
2-Nitrotoluene	4.49	1.1	0.17	mg/kg dry	5.18	<1.1	86.7	70-130			
3-Nitrotoluene	4.79	1.1	0.25	mg/kg dry	5.18	<1.1	92.4	70-130			
4-Amino-2,6-Dinitrotoluene	4.77	1.1	0.079	mg/kg dry	5.18	<1.1	92.0	70-130			
4-Nitrotoluene	4.49	1.1	0.24	mg/kg dry	5.18	<1.1	86.7	70-130			
HMX	4.69	1.1	0.12	mg/kg dry	5.18	<1.1	90.4	70-130			
Nitrobenzene	4.69	1.1	0.069	mg/kg dry	5.18	<1.1	90.6	70-130			
RDX	4.66	1.1	0.082	mg/kg dry	5.18	<1.1	89.8	70-130			
Tetryl	4.06	1.1	0.18	mg/kg dry	5.18	<1.1	78.3	70-130			
Surrogate: 1,2-Dinitrobenzene	4.51			mg/kg dry	5.18		87.1	70-130			

Matrix Spike Dup (B1G2109-MSD1)

Source: 1103098-13

Prepared: 07/21/11 Analyzed: 07/22/11

1,3,5-Trinitrobenzene	4.74	1.1	0.045	mg/kg dry	5.21	<1.1	91.0	70-130	2.24	20	
1,3-Dinitrobenzene	5.20	1.1	0.049	mg/kg dry	5.21	<1.1	99.7	70-130	2.87	20	
2,4,6-Trinitrotoluene	4.92	1.1	0.14	mg/kg dry	5.21	<1.1	94.3	70-130	3.54	20	
2,4-Dinitrotoluene	4.77	1.1	0.041	mg/kg dry	5.21	<1.1	91.6	70-130	1.79	20	
2,6-Dinitrotoluene	4.79	1.1	0.094	mg/kg dry	5.21	<1.1	91.8	70-130	3.85	20	
2-Amino-4,6-Dinitrotoluene	4.87	1.1	0.076	mg/kg dry	5.21	<1.1	93.4	70-130	3.24	20	
2-Nitrotoluene	4.63	1.1	0.17	mg/kg dry	5.21	<1.1	88.8	70-130	3.03	20	
3-Nitrotoluene	4.72	1.1	0.25	mg/kg dry	5.21	<1.1	90.4	70-130	1.44	20	
4-Amino-2,6-Dinitrotoluene	4.95	1.1	0.079	mg/kg dry	5.21	<1.1	95.0	70-130	3.85	20	
4-Nitrotoluene	4.83	1.1	0.24	mg/kg dry	5.21	<1.1	92.5	70-130	7.16	20	
HMX	4.89	1.1	0.12	mg/kg dry	5.21	<1.1	93.8	70-130	4.27	20	
Nitrobenzene	4.71	1.1	0.069	mg/kg dry	5.21	<1.1	90.3	70-130	0.305	20	
RDX	4.84	1.1	0.082	mg/kg dry	5.21	<1.1	92.8	70-130	3.87	20	
Tetryl	4.30	1.1	0.18	mg/kg dry	5.21	<1.1	82.5	70-130	5.92	20	
Surrogate: 1,2-Dinitrobenzene	4.63			mg/kg dry	5.21		88.8	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2010 - General Prep											
Duplicate (B1G2010-DUP1)		Source: 1103069-01				Prepared: 07/20/11		Analyzed: 07/22/11			
Flashpoint	<20			°F		0.00				5	
Duplicate (B1G2010-DUP2)		Source: 1103098-11				Prepared: 07/20/11		Analyzed: 07/22/11			
Flashpoint	>140			°F		>140				5	
Reference (B1G2010-SRM1)						Prepared: 07/20/11		Analyzed: 07/22/11			
Flashpoint	78.0			°F	78.0		100	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48R1 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103098 Date Reported: 07/26/11
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Notes and Definitions

QM-10	LCS/LCSD were analyzed in place of MS/MSD.
Q9	Insufficient sample received to meet method QC requirements.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
B-02	Target analyte was present in the method blank between the MDL and RL.
B-01	Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

1103098

Chain of Custody
4700 West 7th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR

Project Number: 23/17-1072.00 48P1 81D
Project Name: UMore East - ABC Line
Sample Origin: State MN (use two letter postal state abbreviation)

CDC Number: **NO 36493**

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type			Total Number Of Containers
						Water	Soil	OC	
1. 715B-TT1	0.5	0.5	ft	07/11/2011	0745	X	X	X	13
2. 722D-TT1					0830	X	X	X	7
3. 717A-TT1					0900	X	X	X	10
4. 707L-TT1	1	1	ft		0945	X	X	X	10
5. 101C-TT1	0.5	0.5			1045	X	X	X	7
6. 101C-TT2					1115	X	X	X	7
7. 101B-TT2					1145	X	X	X	4
8. 101B-TT1					1215	X	X	X	4
9. 101A-TT1					1245	X	X	X	10
10. Trip Blank						X	X	X	1

VOCs (HCl) #1
 VOCs (tared MeOH) #1
 GRO, BTEX (tared MeOH) #1
 DRO (tared unpreserved)
 Metals (unpreserved) #2
 SVOCs (unpreserved) #2
 % Solids (plastic vial, unpres.)
 VOCs (HCl) #2
 SVOCs (unpreserved) #3
 Dissolved Metals (HNO3)
 Total Metals (HNO3)
 General Range Organics (HCl)
 Nutrients (H2SO4) #4

Project Manager: JME
 Project QC Contact: AAN
 Sampled by: KCB
 Laboratory: Legend

Analyze VOCs, SVOCs
 PCBs Metals, PCBs
 Analyze SVOCs,
 PCBs Metals
 Analyze SVOCs,
 PCBs + PCBs Metals
 Analyze SVOCs,
 VOCs, PCBs Metals
 Analyze SVOCs,
 PCBs Metals
 Analyze PCBs
 PCBs Metals, PCBs
 Analyze VOCs

Received by: [Signature]
 Date: 7/12/11 9:30
 Received by: [Signature]
 Date: 7/12/11 9:30

Relinquished By: [Signature]
 Date: 7/12/11 10:00
 Relinquished By: [Signature]
 Date: 7/12/11 10:00

Sampled Shipped VIA: Air Freight Federal Express Saupier
 Other:

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator
 misc. seals OK ac, no blank

LEGEND

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St Paul, MN 55103
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Chain of Custody
4700 West 77th Street
Minneapolis, MN 55425-4803
(952) 832-2600

1103098

Project Number: 2319-1092.00 4821 810

Project Name: UMore East - ABC Line

Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 33086

Project Manager: JME
Project QC Contact: AAN
Sampled by: KCB
Laboratory: Legend

COC 2 of 2

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	Number of Containers/Preservative													Date	Time			
						Water	Soil		Water						Soil											
1. 706A-TT2	0.5	0.5	ft	07/11/2011	1415	X	X	X	VOCs (HCl) #1	VOCs (unpreserved) #2	Disolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	Explosives	DOCs (tared MOH) #1	GRO, BTEX (tared MOH) #1	DOCs (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	7/12/11	9:50	
2. 706A-TT1	0.5	0.5	ft	07/11/2011	1445	X	X	X	VOCs (HCl) #1	VOCs (unpreserved) #2	Disolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	Explosives	DOCs (tared MOH) #1	GRO, BTEX (tared MOH) #1	DOCs (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	7/12/11	9:50	
3. 706D-TT1	0.5	0.5	ft		1520	X	X	X	VOCs (HCl) #1	VOCs (unpreserved) #2	Disolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	Explosives	DOCs (tared MOH) #1	GRO, BTEX (tared MOH) #1	DOCs (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	7/12/11	9:50	
4. FB-706D-TT1	-	-	-		1530	X	X	X	VOCs (HCl) #1	VOCs (unpreserved) #2	Disolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	Explosives	DOCs (tared MOH) #1	GRO, BTEX (tared MOH) #1	DOCs (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	7/12/11	9:50	
5. 706A-TT3	0.5	0.5	ft		1600	X	X	X	VOCs (HCl) #1	VOCs (unpreserved) #2	Disolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	Explosives	DOCs (tared MOH) #1	GRO, BTEX (tared MOH) #1	DOCs (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	7/12/11	9:50	
6. 205A-TT2	0.5	0.5	ft		1640	X	X	X	VOCs (HCl) #1	VOCs (unpreserved) #2	Disolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	Explosives	DOCs (tared MOH) #1	GRO, BTEX (tared MOH) #1	DOCs (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	7/12/11	9:50	
7. 205A-TT1	0.5	0.5	ft		1700	X	X	X	VOCs (HCl) #1	VOCs (unpreserved) #2	Disolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	Explosives	DOCs (tared MOH) #1	GRO, BTEX (tared MOH) #1	DOCs (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	7/12/11	9:50	
8.																										
9.																										
10.																										

Relinquished By: [Signature] Date: 7/12/11 Time: 0600
Relinquished By: [Signature] Date: 7/12/11 Time: 9:50

Received by: [Signature] Date: 7/12/11 Time: 9:50

Sampled Shipped VIA: Air Freight Federal Express Sapplex

Air Bill Number: [Blank]

Distribution: White-Original, Miscellaneous

present to Lab; Yellow - Field Copy; Pink - Lab Coordinator; **RR - 12, no blank**



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Tel: 651-642-1150
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July 27, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103116
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 07/13/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CAP-TT2_1-1	1103116-01	Soil	07/12/11 07:45	07/13/11 11:00
FB-CAP-TT2-1	1103116-02	Water	07/12/11 08:00	07/13/11 11:00
M-1	1103116-03	Soil	07/12/11 00:00	07/13/11 11:00
CAP-TT2_4-4	1103116-04	Soil	07/12/11 08:30	07/13/11 11:00
CAP-TT3_1-1	1103116-05	Soil	07/12/11 09:15	07/13/11 11:00
M-2	1103116-06	Soil	07/12/11 00:00	07/13/11 11:00
FB-CAP-TT3-1	1103116-07	Water	07/12/11 09:30	07/13/11 11:00
CAP-TT3_4-4	1103116-08	Soil	07/12/11 10:15	07/13/11 11:00
CAP-TT4_0.5-0.5	1103116-09	Soil	07/12/11 10:45	07/13/11 11:00
CAP-TT6_0.5-0.5	1103116-10	Soil	07/12/11 11:15	07/13/11 11:00
CAP-TT5_1-1	1103116-11	Soil	07/12/11 11:30	07/13/11 11:00
CAP-TT5_5-5	1103116-12	Soil	07/12/11 11:45	07/13/11 11:00
M-3	1103116-13	Soil	07/12/11 00:00	07/13/11 11:00
OP-TT3_0.5-0.5	1103116-14	Soil	07/12/11 13:00	07/13/11 11:00
OP-TT3_2-2	1103116-15	Soil	07/12/11 13:30	07/13/11 11:00
OP-TT3_3-3	1103116-16	Soil	07/12/11 13:45	07/13/11 11:00
FB-OP-TT3-2	1103116-17	Water	07/12/11 14:00	07/13/11 11:00
M-4	1103116-18	Soil	07/12/11 00:00	07/13/11 11:00
OP-TT2_2-2	1103116-19	Soil	07/12/11 15:00	07/13/11 11:00
OP-TT1_0.5-0.5	1103116-20	Soil	07/12/11 15:30	07/13/11 11:00
OP-TT1_2-2	1103116-21	Soil	07/12/11 16:00	07/13/11 11:00

Shipping Container Information

Default Cooler

Temperature (°C): 2.8

Received on ice: Yes
 Received on melt water: No
 Custody seals: Yes

Temperature blank was present
 Ambient: No

Received on ice pack: No
 Acceptable (IH/ISO only): No

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

Recovery for the 8270 surrogate 2-fluorophenol was below laboratory limits in sample CAP-TT3_1-1.

Recovery for the 8270 surrogate phenol-d6 was below laboratory limits in sample OP-TT2_2-2 and OP-TT1_2-2.

The %RPD for most of the 8081A compounds were outside laboratory acceptance limits in the water batch B1G1502 LCS/LCSD. However, the recoveries were within acceptance limits. An LCS/LCSD were prepared and analyzed instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

Recovery of endrin aldehyde and surrogates decachlorobiphenyl and tetrachloro-meta-xylene were outside laboratory acceptance limits in the 8081A water batch B1G1502 LCS but within limits in the LCSD. Endrin aldehyde was not detected in sample FB-OP-TT3-2.

Recovery for the 8081A surrogate decachlorobiphenyl in sample M-4 and tetrachloro-meta-xylene in sample FB-OP-TT3-2 were above laboratory limits.

An LCS/LCSD were prepared and analyzed for water 8082 batch B1G1503 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

Recoveries of the 8082 surrogates decachlorobiphenyl and tetrachloro-meta-xylene were above laboratory acceptance limits in the water batch B1G1503 BLK/LCS/LCSD and sample FB-OP-TT3-2. The spike recoveries were acceptable in the LCS/LCSD. Target analytes were not detected in sample FB-OP-TT3-2; therefore, there is no data bias.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT2_1-1 (1103116-01) Soil Sampled: 07/12/11 07:45 Received: 07/13/11 11:00										
Arsenic	2.5	0.58	0.064	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	41	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	7.3	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	12	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	0.29	0.12	0.022	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	0.66	0.29	0.019	mg/kg dry	1	"	"	"	"	
FB-CAP-TT2-1 (1103116-02) Water Sampled: 07/12/11 08:00 Received: 07/13/11 11:00										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2001	07/20/11	07/20/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
M-1 (1103116-03) Soil Sampled: 07/12/11 00:00 Received: 07/13/11 11:00										
Arsenic	3.7	0.57	0.062	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	53	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	0.33	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	10	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	14	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	0.27	0.11	0.020	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	0.98	0.28	0.018	mg/kg dry	1	"	"	"	"	
CAP-TT2_4-4 (1103116-04) Soil Sampled: 07/12/11 08:30 Received: 07/13/11 11:00										
Arsenic	9.0	0.68	0.074	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	170	1.4	0.081	mg/kg dry	1	"	"	"	"	
Cadmium	<0.34	0.34	0.045	mg/kg dry	1	"	"	"	"	
Chromium	23	0.68	0.016	mg/kg dry	1	"	"	"	"	
Lead	15	1.4	0.19	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<1.4	1.4	0.13	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	<0.34	0.34	0.022	mg/kg dry	1	"	"	"	"	
CAP-TT3_1-1 (1103116-05) Soil Sampled: 07/12/11 09:15 Received: 07/13/11 11:00										
Arsenic	6.9	0.78	0.086	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103116
 Date Reported: 07/27/11

TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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CAP-TT3_1-1 (1103116-05) Soil Sampled: 07/12/11 09:15 Received: 07/13/11 11:00

Barium	140	1.6	0.094	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Cadmium	1.1	0.39	0.052	mg/kg dry	1	"	"	"	"	
Chromium	16	0.78	0.019	mg/kg dry	1	"	"	"	"	
Lead	51	1.6	0.22	mg/kg dry	1	"	"	"	"	
Mercury	2.1	0.31	0.059	mg/kg dry	2	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<1.6	1.6	0.15	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	6.2	0.39	0.025	mg/kg dry	1	"	"	"	"	

M-2 (1103116-06) Soil Sampled: 07/12/11 00:00 Received: 07/13/11 11:00

Arsenic	6.5	0.77	0.085	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	130	1.5	0.092	mg/kg dry	1	"	"	"	"	
Cadmium	1.1	0.38	0.051	mg/kg dry	1	"	"	"	"	
Chromium	20	0.77	0.018	mg/kg dry	1	"	"	"	"	
Lead	53	1.5	0.22	mg/kg dry	1	"	"	"	"	
Mercury	2.7	0.31	0.058	mg/kg dry	2	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<1.5	1.5	0.15	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	8.7	0.38	0.025	mg/kg dry	1	"	"	"	"	

FB-CAP-TT3-1 (1103116-07) Water Sampled: 07/12/11 09:30 Received: 07/13/11 11:00

Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2001	07/20/11	07/20/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

CAP-TT3_4-4 (1103116-08) Soil Sampled: 07/12/11 10:15 Received: 07/13/11 11:00

Arsenic	1.9	0.52	0.057	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	20	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	5.2	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.6	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

CAP-TT4_0.5-0.5 (1103116-09) Soil Sampled: 07/12/11 10:45 Received: 07/13/11 11:00

Arsenic	4.2	0.57	0.062	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	66	1.1	0.068	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103116
 Date Reported: 07/27/11

TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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CAP-TT4_0.5-0.5 (1103116-09) Soil Sampled: 07/12/11 10:45 Received: 07/13/11 11:00

Cadmium	<0.28	0.28	0.038	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Chromium	12	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	9.4	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

CAP-TT6_0.5-0.5 (1103116-10) Soil Sampled: 07/12/11 11:15 Received: 07/13/11 11:00

Arsenic	3.5	0.56	0.061	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	54	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	11	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	5.8	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

CAP-TT5_1-1 (1103116-11) Soil Sampled: 07/12/11 11:30 Received: 07/13/11 11:00

Arsenic	2.5	0.53	0.059	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	32	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	9.1	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	5.7	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	0.12	0.099	0.019	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	0.44	0.27	0.017	mg/kg dry	1	"	"	"	"	

CAP-TT5_5-5 (1103116-12) Soil Sampled: 07/12/11 11:45 Received: 07/13/11 11:00

Arsenic	1.6	0.47	0.051	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	20	0.93	0.056	mg/kg dry	1	"	"	"	"	
Cadmium	<0.23	0.23	0.031	mg/kg dry	1	"	"	"	"	
Chromium	9.6	0.47	0.011	mg/kg dry	1	"	"	"	"	
Lead	1.5	0.93	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<0.93	0.93	0.089	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	<0.23	0.23	0.015	mg/kg dry	1	"	"	"	"	

M-3 (1103116-13) Soil Sampled: 07/12/11 00:00 Received: 07/13/11 11:00

Arsenic	3.0	0.53	0.059	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	39	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103116
 Date Reported: 07/27/11

TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-3 (1103116-13) Soil Sampled: 07/12/11 00:00 Received: 07/13/11 11:00										
Chromium	11	0.53	0.013	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Lead	6.1	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.096	0.096	0.018	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	0.40	0.27	0.017	mg/kg dry	1	"	"	"	"	
OP-TT3_0.5-0.5 (1103116-14) Soil Sampled: 07/12/11 13:00 Received: 07/13/11 11:00										
Arsenic	1.9	0.52	0.057	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	38	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	0.48	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	9.8	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	4.2	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	0.25	0.10	0.020	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	0.81	0.26	0.016	mg/kg dry	1	"	"	"	"	
OP-TT3_2-2 (1103116-15) Soil Sampled: 07/12/11 13:30 Received: 07/13/11 11:00										
Arsenic	2.1	0.52	0.057	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	17	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	9.8	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.5	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
OP-TT3_3-3 (1103116-16) Soil Sampled: 07/12/11 13:45 Received: 07/13/11 11:00										
Arsenic	1.3	0.47	0.052	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	9.5	0.94	0.057	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.031	mg/kg dry	1	"	"	"	"	
Chromium	4.4	0.47	0.011	mg/kg dry	1	"	"	"	"	
Lead	1.5	0.94	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<0.94	0.94	0.090	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
FB-OP-TT3-2 (1103116-17) Water Sampled: 07/12/11 14:00 Received: 07/13/11 11:00										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-OP-TT3-2 (1103116-17) Water Sampled: 07/12/11 14:00 Received: 07/13/11 11:00										
Lead	<0.0030	0.0030	0.00042	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2001	07/20/11	07/20/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
M-4 (1103116-18) Soil Sampled: 07/12/11 00:00 Received: 07/13/11 11:00										
Arsenic	1.6	0.47	0.052	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	32	0.94	0.056	mg/kg dry	1	"	"	"	"	
Cadmium	0.37	0.24	0.031	mg/kg dry	1	"	"	"	"	
Chromium	11	0.47	0.011	mg/kg dry	1	"	"	"	"	
Lead	3.9	0.94	0.13	mg/kg dry	1	"	"	"	"	
Mercury	0.23	0.10	0.019	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<0.94	0.94	0.089	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	0.58	0.24	0.015	mg/kg dry	1	"	"	"	"	
OP-TT2_2-2 (1103116-19) Soil Sampled: 07/12/11 15:00 Received: 07/13/11 11:00										
Arsenic	1.7	0.51	0.056	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	23	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	22	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.6	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
OP-TT1_0.5-0.5 (1103116-20) Soil Sampled: 07/12/11 15:30 Received: 07/13/11 11:00										
Arsenic	5.5	0.57	0.062	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	150	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	0.34	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	14	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	12	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	0.18	0.11	0.020	mg/kg dry	1	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
OP-TT1_2-2 (1103116-21) Soil Sampled: 07/12/11 16:00 Received: 07/13/11 11:00										
Arsenic	1.4	0.48	0.052	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Barium	55	0.95	0.057	mg/kg dry	1	"	"	"	"	
Cadmium	0.93	0.24	0.031	mg/kg dry	1	"	"	"	"	
Chromium	6.5	0.48	0.011	mg/kg dry	1	"	"	"	"	
Lead	28	0.95	0.13	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT1_2-2 (1103116-21) Soil Sampled: 07/12/11 16:00 Received: 07/13/11 11:00										
Mercury	7.3	1.0	0.20	mg/kg dry	10	B1G2002	07/20/11	07/26/11	EPA 7471A	
Selenium	1.2	0.95	0.090	mg/kg dry	1	B1G1804	07/18/11	07/21/11	EPA 6010B	
Silver	2.1	0.24	0.015	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT4_0.5-0.5 (1103116-09) Soil Sampled: 07/12/11 10:45 Received: 07/13/11 11:00										
Aroclor 1016	<0.23	0.23	0.0090	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.23	0.23	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.23	0.23	0.026	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.23	0.23	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.23	0.23	0.045	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.23	0.23	0.045	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.23	0.23	0.0067	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	120			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	118			60.9-138 %		"	"	"	"	
OP-TT3_0.5-0.5 (1103116-14) Soil Sampled: 07/12/11 13:00 Received: 07/13/11 11:00										
Aroclor 1016	<0.21	0.21	0.0081	mg/kg dry	1	B1G1504	07/15/11	07/15/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	119			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	121			60.9-138 %		"	"	"	"	
OP-TT3_2-2 (1103116-15) Soil Sampled: 07/12/11 13:30 Received: 07/13/11 11:00										
Aroclor 1016	<0.21	0.21	0.0081	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	106			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	110			60.9-138 %		"	"	"	"	
OP-TT3_3-3 (1103116-16) Soil Sampled: 07/12/11 13:45 Received: 07/13/11 11:00										
Aroclor 1016	<0.20	0.20	0.0081	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	104			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	108			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-OP-TT3-2 (1103116-17) Water Sampled: 07/12/11 14:00 Received: 07/13/11 11:00										
Aroclor 1016	<1.9	1.9	0.25	ug/L	1	B1G1503	07/15/11	07/19/11	EPA 8082	
Aroclor 1221	<1.9	1.9	0.47	ug/L	1	"	"	"	"	
Aroclor 1232	<1.9	1.9	0.21	ug/L	1	"	"	"	"	
Aroclor 1242	<1.9	1.9	0.18	ug/L	1	"	"	"	"	
Aroclor 1248	<1.9	1.9	0.26	ug/L	1	"	"	"	"	
Aroclor 1254	<1.9	1.9	0.40	ug/L	1	"	"	"	"	
Aroclor 1260	<1.9	1.9	0.16	ug/L	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	118			65.6-114 %		"	"	"	"	S4
Surrogate: Tetrachloro-meta-xylene	119			58.9-107 %		"	"	"	"	S4
OP-TT2_2-2 (1103116-19) Soil Sampled: 07/12/11 15:00 Received: 07/13/11 11:00										
Aroclor 1016	<0.20	0.20	0.0081	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	112			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	115			60.9-138 %		"	"	"	"	
OP-TT1_0.5-0.5 (1103116-20) Soil Sampled: 07/12/11 15:30 Received: 07/13/11 11:00										
Aroclor 1016	<0.23	0.23	0.0090	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.23	0.23	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.23	0.23	0.026	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.23	0.23	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.23	0.23	0.045	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.23	0.23	0.045	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.23	0.23	0.0067	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	108			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	118			60.9-138 %		"	"	"	"	
OP-TT1_2-2 (1103116-21) Soil Sampled: 07/12/11 16:00 Received: 07/13/11 11:00										
Aroclor 1016	<0.21	0.21	0.0081	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	0.28	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	111			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	122			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT2_1-1 (1103116-01) Soil Sampled: 07/12/11 07:45 Received: 07/13/11 11:00										
% Solids	86			%	1	B1G1816	07/18/11	07/19/11	% calculation	
M-1 (1103116-03) Soil Sampled: 07/12/11 00:00 Received: 07/13/11 11:00										
% Solids	88			%	1	B1G1816	07/18/11	07/19/11	% calculation	
CAP-TT2_4-4 (1103116-04) Soil Sampled: 07/12/11 08:30 Received: 07/13/11 11:00										
% Solids	74			%	1	B1G1816	07/18/11	07/19/11	% calculation	
CAP-TT3_1-1 (1103116-05) Soil Sampled: 07/12/11 09:15 Received: 07/13/11 11:00										
% Solids	64			%	1	B1G1816	07/18/11	07/19/11	% calculation	
M-2 (1103116-06) Soil Sampled: 07/12/11 00:00 Received: 07/13/11 11:00										
% Solids	65			%	1	B1G1816	07/18/11	07/19/11	% calculation	
CAP-TT3_4-4 (1103116-08) Soil Sampled: 07/12/11 10:15 Received: 07/13/11 11:00										
% Solids	96			%	1	B1G1816	07/18/11	07/19/11	% calculation	
CAP-TT4_0.5-0.5 (1103116-09) Soil Sampled: 07/12/11 10:45 Received: 07/13/11 11:00										
% Solids	88			%	1	B1G1816	07/18/11	07/19/11	% calculation	
CAP-TT6_0.5-0.5 (1103116-10) Soil Sampled: 07/12/11 11:15 Received: 07/13/11 11:00										
% Solids	90			%	1	B1G1816	07/18/11	07/19/11	% calculation	
CAP-TT5_1-1 (1103116-11) Soil Sampled: 07/12/11 11:30 Received: 07/13/11 11:00										
% Solids	94			%	1	B1G1816	07/18/11	07/19/11	% calculation	
CAP-TT5_5-5 (1103116-12) Soil Sampled: 07/12/11 11:45 Received: 07/13/11 11:00										
% Solids	98			%	1	B1G1816	07/18/11	07/19/11	% calculation	
M-3 (1103116-13) Soil Sampled: 07/12/11 00:00 Received: 07/13/11 11:00										
% Solids	94			%	1	B1G1816	07/18/11	07/19/11	% calculation	
OP-TT3_0.5-0.5 (1103116-14) Soil Sampled: 07/12/11 13:00 Received: 07/13/11 11:00										
% Solids	97			%	1	B1G1816	07/18/11	07/19/11	% calculation	
OP-TT3_2-2 (1103116-15) Soil Sampled: 07/12/11 13:30 Received: 07/13/11 11:00										
% Solids	97			%	1	B1G1816	07/18/11	07/19/11	% calculation	
OP-TT3_3-3 (1103116-16) Soil Sampled: 07/12/11 13:45 Received: 07/13/11 11:00										
% Solids	98			%	1	B1G1816	07/18/11	07/19/11	% calculation	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-4 (1103116-18) Soil Sampled: 07/12/11 00:00 Received: 07/13/11 11:00										
% Solids	98			%	1	B1G1816	07/18/11	07/19/11	% calculation	
OP-TT2_2-2 (1103116-19) Soil Sampled: 07/12/11 15:00 Received: 07/13/11 11:00										
% Solids	98			%	1	B1G1816	07/18/11	07/19/11	% calculation	
OP-TT1_0.5-0.5 (1103116-20) Soil Sampled: 07/12/11 15:30 Received: 07/13/11 11:00										
% Solids	88			%	1	B1G1816	07/18/11	07/19/11	% calculation	
OP-TT1_2-2 (1103116-21) Soil Sampled: 07/12/11 16:00 Received: 07/13/11 11:00										
% Solids	97			%	1	B1G1816	07/18/11	07/19/11	% calculation	

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT3_0.5-0.5 (1103116-14) Soil Sampled: 07/12/11 13:00 Received: 07/13/11 11:00										
4,4'-DDD	<0.041	0.041	0.0021	mg/kg dry	1	B1G1505	07/15/11	07/15/11	EPA 8081A	
4,4'-DDE	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Aldrin	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.041	0.041	0.0023	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.041	0.041	0.0023	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.041	0.041	0.0014	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.082	0.082	0.016	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	125			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	124			65.2-135 %		"	"	"	"	

OP-TT3_2-2 (1103116-15) Soil Sampled: 07/12/11 13:30 Received: 07/13/11 11:00										
4,4'-DDD	<0.041	0.041	0.0021	mg/kg dry	1	B1G1505	07/15/11	07/16/11	EPA 8081A	
4,4'-DDE	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Aldrin	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.041	0.041	0.0023	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.041	0.041	0.0023	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.041	0.041	0.0014	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT3_2-2 (1103116-15) Soil Sampled: 07/12/11 13:30 Received: 07/13/11 11:00										
gamma-BHC (Lindane)	<0.041	0.041	0.0022	mg/kg dry	1	B1G1505	07/15/11	07/16/11	EPA 8081A	
gamma-Chlordane	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.082	0.082	0.016	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	112			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	114			65.2-135 %		"	"	"	"	
OP-TT3_3-3 (1103116-16) Soil Sampled: 07/12/11 13:45 Received: 07/13/11 11:00										
4,4'-DDD	<0.041	0.041	0.0020	mg/kg dry	1	B1G1505	07/15/11	07/16/11	EPA 8081A	
4,4'-DDE	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Aldrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endrin	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.041	0.041	0.0014	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.082	0.082	0.016	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	110			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	110			65.2-135 %		"	"	"	"	
FB-OP-TT3-2 (1103116-17) Water Sampled: 07/12/11 14:00 Received: 07/13/11 11:00										
4,4'-DDD	<0.029	0.37	0.029	ug/L	1	B1G1502	07/15/11	07/19/11	EPA 8081A	R7
4,4'-DDE	<0.029	0.37	0.029	ug/L	1	"	"	"	"	R7
4,4'-DDT	<0.029	0.37	0.029	ug/L	1	"	"	"	"	R7
Aldrin	<0.031	0.37	0.031	ug/L	1	"	"	"	"	R7
alpha-BHC	<0.026	0.37	0.026	ug/L	1	"	"	"	"	
alpha-Chlordane	<0.030	0.37	0.030	ug/L	1	"	"	"	"	R7

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-OP-TT3-2 (1103116-17) Water Sampled: 07/12/11 14:00 Received: 07/13/11 11:00										
beta-BHC	<0.029	0.37	0.029	ug/L	1	B1G1502	07/15/11	07/19/11	EPA 8081A	
delta-BHC	<0.028	0.37	0.028	ug/L	1	"	"	"	"	
Dieldrin	<0.029	0.37	0.029	ug/L	1	"	"	"	"	R7
Endosulfan I	<0.030	0.37	0.030	ug/L	1	"	"	"	"	R7
Endosulfan II	<0.030	0.37	0.030	ug/L	1	"	"	"	"	R7
Endosulfan sulfate	<0.029	0.37	0.029	ug/L	1	"	"	"	"	
Endrin	<0.031	0.37	0.031	ug/L	1	"	"	"	"	R7
Endrin aldehyde	<0.037	0.37	0.037	ug/L	1	"	"	"	"	L1a
Endrin ketone	<0.029	0.37	0.029	ug/L	1	"	"	"	"	
gamma-BHC (Lindane)	<0.027	0.37	0.027	ug/L	1	"	"	"	"	
gamma-Chlordane	<0.030	0.37	0.030	ug/L	1	"	"	"	"	R7
Heptachlor	<0.029	0.37	0.029	ug/L	1	"	"	"	"	R7
Heptachlor epoxide	<0.029	0.37	0.029	ug/L	1	"	"	"	"	R7
Methoxychlor	<0.027	0.37	0.027	ug/L	1	"	"	"	"	R7
Toxaphene	<0.27	0.93	0.27	ug/L	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	115			80.6-122 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	115			71.7-111 %		"	"	"	"	S4

M-4 (1103116-18) Soil Sampled: 07/12/11 00:00 Received: 07/13/11 11:00										
4,4'-DDD	<0.041	0.041	0.0020	mg/kg dry	1	B1G1505	07/15/11	07/16/11	EPA 8081A	
4,4'-DDE	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Aldrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endrin	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.041	0.041	0.0014	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.082	0.082	0.016	mg/kg dry	1	"	"	"	"	

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-4 (1103116-18) Soil Sampled: 07/12/11 00:00 Received: 07/13/11 11:00										
Surrogate: Decachlorobiphenyl	134			83.7-130 %		B1G1505	07/15/11	07/16/11	EPA 8081A	S4
Surrogate: Tetrachloro-meta-xylene	127			65.2-135 %		"	"	"	"	
OP-TT2_2-2 (1103116-19) Soil Sampled: 07/12/11 15:00 Received: 07/13/11 11:00										
4,4'-DDD	<0.041	0.041	0.0020	mg/kg dry	1	B1G1505	07/15/11	07/16/11	EPA 8081A	
4,4'-DDE	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Aldrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endrin	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.041	0.041	0.0014	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.082	0.082	0.016	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	118			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	118			65.2-135 %		"	"	"	"	
OP-TT1_0.5-0.5 (1103116-20) Soil Sampled: 07/12/11 15:30 Received: 07/13/11 11:00										
4,4'-DDD	<0.045	0.045	0.0023	mg/kg dry	1	B1G1505	07/15/11	07/16/11	EPA 8081A	
4,4'-DDE	<0.045	0.045	0.0023	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.045	0.045	0.0023	mg/kg dry	1	"	"	"	"	
Aldrin	<0.045	0.045	0.0024	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.045	0.045	0.0023	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.045	0.045	0.0023	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.045	0.045	0.0025	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.045	0.045	0.0023	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.045	0.045	0.0023	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.045	0.045	0.0025	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.045	0.045	0.0024	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.045	0.045	0.0024	mg/kg dry	1	"	"	"	"	

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT1_0.5-0.5 (1103116-20) Soil Sampled: 07/12/11 15:30 Received: 07/13/11 11:00										
Endrin	<0.045	0.045	0.0023	mg/kg dry	1	B1G1505	07/15/11	07/16/11	EPA 8081A	
Endrin aldehyde	<0.045	0.045	0.0016	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.045	0.045	0.0024	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.045	0.045	0.0024	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.045	0.045	0.0024	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.045	0.045	0.0024	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.045	0.045	0.0023	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.045	0.045	0.0024	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.091	0.091	0.018	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	114			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	120			65.2-135 %		"	"	"	"	
OP-TT1_2-2 (1103116-21) Soil Sampled: 07/12/11 16:00 Received: 07/13/11 11:00										
4,4'-DDD	<0.041	0.041	0.0021	mg/kg dry	1	B1G1505	07/15/11	07/16/11	EPA 8081A	
4,4'-DDE	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Aldrin	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	0.044	0.041	0.0021	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.041	0.041	0.0023	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.041	0.041	0.0023	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.041	0.041	0.0014	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.082	0.082	0.016	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	116			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	124			65.2-135 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT2_1-1 (1103116-01) Soil Sampled: 07/12/11 07:45 Received: 07/13/11 11:00										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT2_1-1 (1103116-01) Soil Sampled: 07/12/11 07:45 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.056	0.38	0.056	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.38	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	51.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	61.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-CAP-TT2-1 (1103116-02) Water Sampled: 07/12/11 08:00 Received: 07/13/11 11:00

1,2,4-Trichlorobenzene	<0.28	9.4	0.28	ug/L	1	B1G1902	07/19/11	07/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.4	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.25	9.4	0.25	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.4	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.4	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.91	9.4	0.91	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.56	9.4	0.56	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.56	9.4	0.56	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.59	9.4	0.59	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.54	9.4	0.54	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.4	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.4	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.47	9.4	0.47	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.50	9.4	0.50	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.57	9.4	0.57	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.37	9.4	0.37	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.83	9.4	0.83	ug/L	1	"	"	"	"	
2-Methylphenol	<0.45	9.4	0.45	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.57	9.4	0.57	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.88	9.4	0.88	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.39	9.4	0.39	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.8	24	6.8	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.4	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.94	9.4	0.94	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.40	9.4	0.40	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.45	9.4	0.45	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.4	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.4	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.85	9.4	0.85	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.74	9.4	0.74	ug/L	1	"	"	"	"	
Acenaphthene	<0.57	9.4	0.57	ug/L	1	"	"	"	"	
Acenaphthylene	<0.52	9.4	0.52	ug/L	1	"	"	"	"	
Aniline	<1.5	9.4	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.53	9.4	0.53	ug/L	1	"	"	"	"	
Benzidine	<7.2	94	7.2	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.47	9.4	0.47	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.39	9.4	0.39	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.42	9.4	0.42	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.4	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-CAP-TT2-1 (1103116-02) Water Sampled: 07/12/11 08:00 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.46	9.4	0.46	ug/L	1	B1G1902	07/19/11	07/19/11	EPA 8270C	
Benzoic acid	<0.49	9.4	0.49	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.4	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.4	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.21	9.4	0.21	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.22	9.4	0.22	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.76	9.4	0.76	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.4	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.4	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.58	9.4	0.58	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.52	9.4	0.52	ug/L	1	"	"	"	"	
Dibenzofuran	<0.56	9.4	0.56	ug/L	1	"	"	"	"	
Diethyl phthalate	1.5	9.4	0.28	ug/L	1	"	"	"	"	J
Dimethyl phthalate	<0.31	9.4	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.37	9.4	0.37	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.63	9.4	0.63	ug/L	1	"	"	"	"	
Fluoranthene	<0.58	9.4	0.58	ug/L	1	"	"	"	"	
Fluorene	<0.49	9.4	0.49	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.38	9.4	0.38	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.39	9.4	0.39	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.33	9.4	0.33	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.4	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.37	9.4	0.37	ug/L	1	"	"	"	"	
Isophorone	<0.25	9.4	0.25	ug/L	1	"	"	"	"	
Naphthalene	<0.49	9.4	0.49	ug/L	1	"	"	"	"	
Nitrobenzene	<0.35	9.4	0.35	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.45	9.4	0.45	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.24	9.4	0.24	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.36	9.4	0.36	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.85	9.4	0.85	ug/L	1	"	"	"	"	
Phenanthrene	<0.33	9.4	0.33	ug/L	1	"	"	"	"	
Phenol	<0.39	9.4	0.39	ug/L	1	"	"	"	"	
Pyrene	<0.62	9.4	0.62	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.7			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	83.2			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.3			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	81.9			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	59.7			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	91.1			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1103116-03) Soil Sampled: 07/12/11 00:00 Received: 07/13/11 11:00										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1103116-03) Soil Sampled: 07/12/11 00:00 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.32	0.38	0.050	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	52.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	62.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT3_1-1 (1103116-05) Soil Sampled: 07/12/11 09:15 Received: 07/13/11 11:00										
1,2,4-Trichlorobenzene	<0.048	0.52	0.048	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
1,2-Dichlorobenzene	<0.052	0.52	0.052	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.056	0.52	0.056	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.048	0.52	0.048	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.045	0.52	0.045	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.12	1.0	0.12	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.058	1.0	0.058	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.12	1.0	0.12	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.12	1.0	0.12	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.12	1.0	0.12	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.050	1.0	0.050	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.055	0.52	0.055	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.11	1.0	0.11	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.061	0.52	0.061	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.053	0.52	0.053	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.094	1.0	0.094	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.056	0.52	0.056	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.053	1.0	0.053	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.059	0.52	0.059	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.13	1.0	0.13	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.050	1.0	0.050	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.23	2.5	0.23	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.042	0.52	0.042	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.053	1.0	0.053	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.052	0.52	0.052	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.10	1.0	0.10	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.042	1.0	0.042	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.056	0.52	0.056	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.053	0.52	0.053	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.15	1.0	0.15	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.059	0.52	0.059	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.064	0.52	0.064	mg/kg dry	1	"	"	"	"	
Aniline	<0.048	1.0	0.048	mg/kg dry	1	"	"	"	"	
Anthracene	<0.056	0.52	0.056	mg/kg dry	1	"	"	"	"	
Benzidine	<0.30	3.9	0.30	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.064	0.52	0.064	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.071	0.52	0.066	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.10	0.52	0.067	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.067	0.52	0.067	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT3_1-1 (1103116-05) Soil Sampled: 07/12/11 09:15 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.075	0.52	0.075	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
Benzoic acid	<0.038	0.52	0.038	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.15	1.0	0.15	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.053	0.52	0.053	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.055	0.52	0.055	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.053	0.52	0.053	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.075	0.52	0.075	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.066	0.52	0.066	mg/kg dry	1	"	"	"	"	
Carbazole	<0.055	0.52	0.055	mg/kg dry	1	"	"	"	"	
Chrysene	<0.069	0.52	0.069	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.067	0.52	0.067	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.052	0.52	0.052	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.048	0.52	0.048	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.047	0.52	0.047	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	1.9	0.52	0.069	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.075	0.52	0.075	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.10	0.52	0.061	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.055	0.52	0.055	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.056	0.52	0.056	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.047	0.52	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.038	0.52	0.038	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.047	0.52	0.047	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.062	0.52	0.062	mg/kg dry	1	"	"	"	"	
Isophorone	<0.048	0.52	0.048	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.052	0.52	0.052	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.052	0.52	0.052	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.034	0.52	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.052	0.52	0.052	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.041	0.52	0.041	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.12	1.0	0.12	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.084	0.52	0.056	mg/kg dry	1	"	"	"	"	J
Phenol	<0.11	1.0	0.11	mg/kg dry	1	"	"	"	"	
Pyrene	0.084	0.52	0.064	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	57.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	40.1			42.5-94.9 %		"	"	"	"	S-GC
Surrogate: Nitrobenzene-d5	75.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	56.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	87.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-CAP-TT3-1 (1103116-07) Water Sampled: 07/12/11 09:30 Received: 07/13/11 11:00

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-CAP-TT3-1 (1103116-07) Water Sampled: 07/12/11 09:30 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	77.6			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.6			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.5			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.1			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	52.7			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	96.5			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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CAP-TT4_0.5-0.5 (1103116-09) Soil Sampled: 07/12/11 10:45 Received: 07/13/11 11:00

1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT4_0.5-0.5 (1103116-09) Soil Sampled: 07/12/11 10:45 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	89.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	82.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT6_0.5-0.5 (1103116-10) Soil Sampled: 07/12/11 11:15 Received: 07/13/11 11:00										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT6_0.5-0.5 (1103116-10) Soil Sampled: 07/12/11 11:15 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1G1406	07/14/11	07/15/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	97.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	80.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	77.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	91.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT5_1-1 (1103116-11) Soil Sampled: 07/12/11 11:30 Received: 07/13/11 11:00										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT5_1-1 (1103116-11) Soil Sampled: 07/12/11 11:30 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.068	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	76.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT5_5-5 (1103116-12) Soil Sampled: 07/12/11 11:45 Received: 07/13/11 11:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT5_5-5 (1103116-12) Soil Sampled: 07/12/11 11:45 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	79.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	77.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	80.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT3_0.5-0.5 (1103116-14) Soil Sampled: 07/12/11 13:00 Received: 07/13/11 11:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT3_0.5-0.5 (1103116-14) Soil Sampled: 07/12/11 13:00 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.059	0.34	0.040	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.045	0.34	0.037	mg/kg dry	1	"	"	"	"	J
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	0.048	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	61.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	49.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	55.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	63.2			51-99.6 %		"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103116
Date Reported: 07/27/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT3_2-2 (1103116-15) Soil Sampled: 07/12/11 13:30 Received: 07/13/11 11:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103116
 Date Reported: 07/27/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT3_2-2 (1103116-15) Soil Sampled: 07/12/11 13:30 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	67.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	81.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT3_3-3 (1103116-16) Soil Sampled: 07/12/11 13:45 Received: 07/13/11 11:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT3_3-3 (1103116-16) Soil Sampled: 07/12/11 13:45 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	78.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	81.2			51-99.6 %		"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103116
Date Reported: 07/27/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-OP-TT3-2 (1103116-17) Water Sampled: 07/12/11 14:00 Received: 07/13/11 11:00

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1902	07/19/11	07/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-OP-TT3-2 (1103116-17) Water Sampled: 07/12/11 14:00 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1902	07/19/11	07/19/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.0			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	85.0			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.4			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	84.6			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	59.1			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	92.9			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT2_2-2 (1103116-19) Soil Sampled: 07/12/11 15:00 Received: 07/13/11 11:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT2_2-2 (1103116-19) Soil Sampled: 07/12/11 15:00 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	64.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	59.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	44.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	48.5			50.4-99.6 %		"	"	"	"	S-GC
Surrogate: Terphenyl-d14	76.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT1_0.5-0.5 (1103116-20) Soil Sampled: 07/12/11 15:30 Received: 07/13/11 11:00										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1G1809	07/18/11	07/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.088	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.12	0.38	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.20	0.38	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.084	0.38	0.049	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT1_0.5-0.5 (1103116-20) Soil Sampled: 07/12/11 15:30 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	0.070	0.38	0.055	mg/kg dry	1	B1G1809	07/18/11	07/19/11	EPA 8270C	J
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	0.11	0.38	0.050	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.37	0.38	0.050	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.075	0.38	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.084	0.38	0.045	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.071	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	62.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	57.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	45.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	54.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	59.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT1_2-2 (1103116-21) Soil Sampled: 07/12/11 16:00 Received: 07/13/11 11:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	0.069	0.34	0.037	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.52	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.66	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.95	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.43	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT1_2-2 (1103116-21) Soil Sampled: 07/12/11 16:00 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	0.35	0.34	0.049	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	0.55	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.12	0.34	0.044	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	1.1	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.76	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.46	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.17	0.34	0.037	mg/kg dry	1	"	"	"	"	J
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	0.73	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	58.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	57.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	43.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	57.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	47.6			50.4-99.6 %		"	"	"	"	S-GC
Surrogate: Terphenyl-d14	61.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1804 - EPA 3050B

Blank (B1G1804-BLK1)

Prepared: 07/18/11 Analyzed: 07/21/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G1804-BS1)

Prepared: 07/18/11 Analyzed: 07/21/11

Arsenic	40.4	0.50	0.055	mg/kg wet	39.9		101	80-120			
Barium	41.1	1.0	0.060	mg/kg wet	39.9		103	80-120			
Cadmium	40.2	0.25	0.033	mg/kg wet	39.9		101	80-120			
Chromium	40.9	0.50	0.012	mg/kg wet	39.9		102	80-120			
Lead	42.2	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	40.2	1.0	0.095	mg/kg wet	39.9		101	80-120			
Silver	4.00	0.25	0.016	mg/kg wet	3.99		100	80-120			

LCS Dup (B1G1804-BSD1)

Prepared: 07/18/11 Analyzed: 07/21/11

Arsenic	41.1	0.50	0.055	mg/kg wet	39.9		103	80-120	1.85	20	
Barium	41.5	1.0	0.060	mg/kg wet	39.9		104	80-120	0.993	20	
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120	1.98	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120	1.98	20	
Lead	43.1	1.0	0.14	mg/kg wet	39.9		108	80-120	1.95	20	
Selenium	41.0	1.0	0.095	mg/kg wet	39.9		103	80-120	1.96	20	
Silver	4.07	0.25	0.016	mg/kg wet	3.99		102	80-120	1.62	20	

Matrix Spike (B1G1804-MS1)

Source: 1103116-01

Prepared: 07/18/11 Analyzed: 07/21/11

Arsenic	50.6	0.58	0.064	mg/kg dry	46.2	2.54	104	75-125			
Barium	88.0	1.2	0.070	mg/kg dry	46.2	40.8	102	75-125			
Cadmium	47.5	0.29	0.038	mg/kg dry	46.2	<0.29	102	75-125			
Chromium	51.8	0.58	0.014	mg/kg dry	46.2	7.28	96.4	75-125			
Lead	53.3	1.2	0.16	mg/kg dry	46.2	11.7	90.1	75-125			
Selenium	47.1	1.2	0.11	mg/kg dry	46.2	<1.2	102	75-125			
Silver	5.28	0.29	0.019	mg/kg dry	4.62	0.662	100	75-125			

Matrix Spike Dup (B1G1804-MSD1)

Source: 1103116-01

Prepared: 07/18/11 Analyzed: 07/21/11

Arsenic	48.8	0.58	0.064	mg/kg dry	45.6	2.54	101	75-125	3.76	20	
Barium	90.6	1.2	0.070	mg/kg dry	45.6	40.8	109	75-125	2.87	20	
Cadmium	46.3	0.29	0.038	mg/kg dry	45.6	<0.29	101	75-125	2.64	20	
Chromium	57.1	0.58	0.014	mg/kg dry	45.6	7.28	109	75-125	9.81	20	
Lead	56.9	1.2	0.16	mg/kg dry	45.6	11.7	99.3	75-125	6.61	20	
Selenium	45.1	1.2	0.11	mg/kg dry	45.6	<1.2	98.9	75-125	4.50	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1804 - EPA 3050B											
Matrix Spike Dup (B1G1804-MSD1)		Source: 1103116-01		Prepared: 07/18/11 Analyzed: 07/21/11							
Silver	5.54	0.29	0.019	mg/kg dry	4.56	0.662	107	75-125	4.93	20	
Batch B1G2001 - EPA 245.1/7470A Digestion											
Blank (B1G2001-BLK1)		Prepared & Analyzed: 07/20/11									
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1G2001-BS1)		Prepared & Analyzed: 07/20/11									
Mercury	0.00185	0.00020	0.000037	mg/L	0.00200		92.5	80-120			
LCS Dup (B1G2001-BSD1)		Prepared & Analyzed: 07/20/11									
Mercury	0.00183	0.00020	0.000037	mg/L	0.00200		91.5	80-120	1.09	20	
Matrix Spike (B1G2001-MS1)		Source: 1103058-05		Prepared & Analyzed: 07/20/11							
Mercury	0.00185	0.00020	0.000037	mg/L	0.00200	<0.00020	92.5	75-125			
Matrix Spike Dup (B1G2001-MSD1)		Source: 1103058-05		Prepared & Analyzed: 07/20/11							
Mercury	0.00187	0.00020	0.000037	mg/L	0.00200	<0.00020	93.5	75-125	1.08	20	
Batch B1G2002 - EPA 7471A											
Blank (B1G2002-BLK1)		Prepared: 07/20/11 Analyzed: 07/26/11									
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G2002-BS1)		Prepared: 07/20/11 Analyzed: 07/26/11									
Mercury	0.198	0.10	0.019	mg/kg wet	0.200		99.0	80-120			
LCS Dup (B1G2002-BSD1)		Prepared: 07/20/11 Analyzed: 07/26/11									
Mercury	0.205	0.10	0.019	mg/kg wet	0.200		102	80-120	3.47	20	
Matrix Spike (B1G2002-MS1)		Source: 1103116-01		Prepared: 07/20/11 Analyzed: 07/26/11							
Mercury	0.480	0.10	0.019	mg/kg dry	0.200	0.295	92.6	75-125			
Matrix Spike Dup (B1G2002-MSD1)		Source: 1103116-01		Prepared: 07/20/11 Analyzed: 07/26/11							
Mercury	0.469	0.10	0.019	mg/kg dry	0.200	0.295	87.3	75-125	2.32	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2103 - EPA 200.7/3005A Digestion

Blank (B1G2103-BLK1)

Prepared & Analyzed: 07/21/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1G2103-BS1)

Prepared & Analyzed: 07/21/11

Arsenic	0.412	0.010	0.0011	mg/L	0.399		103	80-120			
Barium	0.422	0.020	0.0012	mg/L	0.399		106	80-120			
Cadmium	0.412	0.0010	0.00013	mg/L	0.399		103	80-120			
Chromium	0.422	0.010	0.00024	mg/L	0.399		106	80-120			
Lead	0.436	0.0030	0.00042	mg/L	0.399		109	80-120			
Selenium	0.411	0.020	0.0019	mg/L	0.399		103	80-120			
Silver	0.0414	0.0050	0.00031	mg/L	0.0399		104	80-120			

LCS Dup (B1G2103-BSD1)

Prepared & Analyzed: 07/21/11

Arsenic	0.414	0.010	0.0011	mg/L	0.399		104	80-120	0.630	20	
Barium	0.424	0.020	0.0012	mg/L	0.399		106	80-120	0.562	20	
Cadmium	0.412	0.0010	0.00013	mg/L	0.399		103	80-120	0.0907	20	
Chromium	0.424	0.010	0.00024	mg/L	0.399		106	80-120	0.340	20	
Lead	0.438	0.0030	0.00042	mg/L	0.399		110	80-120	0.465	20	
Selenium	0.411	0.020	0.0019	mg/L	0.399		103	80-120	0.0830	20	
Silver	0.0416	0.0050	0.00031	mg/L	0.0399		104	80-120	0.516	20	

Matrix Spike (B1G2103-MS1)

Source: 1103116-02

Prepared & Analyzed: 07/21/11

Arsenic	0.405	0.010	0.0011	mg/L	0.399	<0.010	101	75-125			
Barium	0.414	0.020	0.0012	mg/L	0.399	<0.020	103	75-125			
Cadmium	0.400	0.0010	0.00013	mg/L	0.399	<0.0010	100	75-125			
Chromium	0.413	0.010	0.00024	mg/L	0.399	<0.010	104	75-125			
Lead	0.427	0.0030	0.00042	mg/L	0.399	<0.0030	107	75-125			
Selenium	0.403	0.020	0.0019	mg/L	0.399	<0.020	101	75-125			
Silver	0.0402	0.0050	0.00031	mg/L	0.0399	<0.0050	101	75-125			

Matrix Spike Dup (B1G2103-MSD1)

Source: 1103116-02

Prepared & Analyzed: 07/21/11

Arsenic	0.417	0.010	0.0011	mg/L	0.399	<0.010	104	75-125	2.89	20	
Barium	0.428	0.020	0.0012	mg/L	0.399	<0.020	106	75-125	3.18	20	
Cadmium	0.415	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125	3.58	20	
Chromium	0.427	0.010	0.00024	mg/L	0.399	<0.010	107	75-125	3.22	20	
Lead	0.440	0.0030	0.00042	mg/L	0.399	<0.0030	110	75-125	3.10	20	
Selenium	0.418	0.020	0.0019	mg/L	0.399	<0.020	105	75-125	3.58	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2103 - EPA 200.7/3005A Digestion											
Matrix Spike Dup (B1G2103-MSD1)			Source: 1103116-02			Prepared & Analyzed: 07/21/11					
Silver	0.0412	0.0050	0.00031	mg/L	0.0399	<0.0050	103	75-125	2.48	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1503 - EPA 3510C (Sep Funnel)											
Blank (B1G1503-BLK1)											
						Prepared: 07/15/11 Analyzed: 07/19/11					
Aroclor 1016	< 2.0	2.0	0.27	ug/L							
Aroclor 1221	< 2.0	2.0	0.51	ug/L							
Aroclor 1232	< 2.0	2.0	0.23	ug/L							
Aroclor 1242	< 2.0	2.0	0.19	ug/L							
Aroclor 1248	< 2.0	2.0	0.28	ug/L							
Aroclor 1254	< 2.0	2.0	0.43	ug/L							
Aroclor 1260	< 2.0	2.0	0.17	ug/L							
Surrogate: Decachlorobiphenyl	1.18			ug/L	1.00		118	65.6-114			S10
Surrogate: Tetrachloro-meta-xylene	1.10			ug/L	1.00		110	58.9-107			S10
LCS (B1G1503-BS1)											
						Prepared: 07/15/11 Analyzed: 07/19/11					
Aroclor 1260	5.75	2.0	0.17	ug/L	5.00		115	70-130			
Surrogate: Decachlorobiphenyl	1.31			ug/L	1.00		131	65.6-114			S10
Surrogate: Tetrachloro-meta-xylene	1.20			ug/L	1.00		120	58.9-107			S10
LCS Dup (B1G1503-BSD1)											
						Prepared: 07/15/11 Analyzed: 07/19/11					
Aroclor 1260	5.41	2.0	0.17	ug/L	5.00		108	70-130	6.09	20	Q9, QM-10
Surrogate: Decachlorobiphenyl	1.23			ug/L	1.00		123	65.6-114			S10
Surrogate: Tetrachloro-meta-xylene	1.09			ug/L	1.00		109	58.9-107			S10
Batch B1G1504 - EPA 3545 ASE Extraction											
Blank (B1G1504-BLK1)											
						Prepared & Analyzed: 07/15/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0677			mg/kg wet	0.0667		102	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0670			mg/kg wet	0.0667		100	60.9-138			
LCS (B1G1504-BS1)											
						Prepared: 07/15/11 Analyzed: 07/16/11					
Aroclor 1260	0.344	0.20	0.0059	mg/kg wet	0.333		103	70-130			
Surrogate: Decachlorobiphenyl	0.0710			mg/kg wet	0.0667		106	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0680			mg/kg wet	0.0667		102	60.9-138			
Matrix Spike (B1G1504-MS1)											
						Source: 1103077-01 Prepared: 07/15/11 Analyzed: 07/16/11					
Aroclor 1260	0.393	0.22	0.0064	mg/kg dry	0.362	<0.22	109	70-130			
Surrogate: Decachlorobiphenyl	0.0800			mg/kg dry	0.0724		110	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0771			mg/kg dry	0.0724		106	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1504 - EPA 3545 ASE Extraction

Matrix Spike Dup (B1G1504-MSD1)

Source: 1103077-01

Prepared: 07/15/11 Analyzed: 07/16/11

Aroclor 1260	0.406	0.22	0.0064	mg/kg dry	0.362	<0.22	112	70-130	3.37	17.2	
Surrogate: Decachlorobiphenyl	0.0832			mg/kg dry	0.0723		115	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0796			mg/kg dry	0.0723		110	60.9-138			

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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1816 - General Preparation											
Duplicate (B1G1816-DUP1)	Source: 1103116-12		Prepared: 07/18/11 Analyzed: 07/19/11								
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1G1816-DUP2)	Source: 1103127-02		Prepared: 07/18/11 Analyzed: 07/19/11								
% Solids	99.0			%		99.0			0.00	20	
Duplicate (B1G1816-DUP3)	Source: 1103147-07		Prepared: 07/18/11 Analyzed: 07/19/11								
% Solids	96.0			%		96.0			0.00	20	

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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1502 - EPA 3510C (Sep Funnel)

Blank (B1G1502-BLK1)

Prepared: 07/15/11 Analyzed: 07/19/11

4,4'-DDD	< 0.031	0.40	0.031	ug/L							
4,4'-DDE	< 0.031	0.40	0.031	ug/L							
4,4'-DDT	< 0.031	0.40	0.031	ug/L							
Aldrin	< 0.033	0.40	0.033	ug/L							
alpha-BHC	< 0.028	0.40	0.028	ug/L							
alpha-Chlordane	< 0.032	0.40	0.032	ug/L							
beta-BHC	< 0.031	0.40	0.031	ug/L							
delta-BHC	< 0.030	0.40	0.030	ug/L							
Dieldrin	< 0.031	0.40	0.031	ug/L							
Endosulfan I	< 0.032	0.40	0.032	ug/L							
Endosulfan II	< 0.032	0.40	0.032	ug/L							
Endosulfan sulfate	< 0.031	0.40	0.031	ug/L							
Endrin	< 0.033	0.40	0.033	ug/L							
Endrin aldehyde	< 0.040	0.40	0.040	ug/L							
Endrin ketone	< 0.031	0.40	0.031	ug/L							
gamma-BHC (Lindane)	< 0.029	0.40	0.029	ug/L							
gamma-Chlordane	< 0.032	0.40	0.032	ug/L							
Heptachlor	< 0.031	0.40	0.031	ug/L							
Heptachlor epoxide	< 0.031	0.40	0.031	ug/L							
Methoxychlor	< 0.029	0.40	0.029	ug/L							
Toxaphene	< 0.29	1.0	0.29	ug/L							
Surrogate: Decachlorobiphenyl	1.15			ug/L	1.00		115	80.6-122			
Surrogate: Tetrachloro-meta-xylene	1.06			ug/L	1.00		106	71.7-111			

LCS (B1G1502-BS1)

Prepared: 07/15/11 Analyzed: 07/19/11

4,4'-DDD	1.42	0.40	0.031	ug/L	1.25		113	70-130			
4,4'-DDE	1.40	0.40	0.031	ug/L	1.25		112	70-130			
4,4'-DDT	1.42	0.40	0.031	ug/L	1.25		114	70-130			
Aldrin	1.30	0.40	0.033	ug/L	1.25		104	70-130			
alpha-BHC	1.38	0.40	0.028	ug/L	1.25		110	70-130			
alpha-Chlordane	1.37	0.40	0.032	ug/L	1.25		110	70-130			
beta-BHC	1.32	0.40	0.031	ug/L	1.25		106	70-130			
delta-BHC	1.40	0.40	0.030	ug/L	1.25		112	70-130			
Dieldrin	1.40	0.40	0.031	ug/L	1.25		112	70-130			
Endosulfan I	1.37	0.40	0.032	ug/L	1.25		110	70-130			
Endosulfan II	1.38	0.40	0.032	ug/L	1.25		110	70-130			
Endosulfan sulfate	1.37	0.40	0.031	ug/L	1.25		110	70-130			
Endrin	1.39	0.40	0.033	ug/L	1.25		111	70-130			
Endrin aldehyde	1.92	0.40	0.040	ug/L	1.25		154	70-130			L1a
Endrin ketone	1.38	0.40	0.031	ug/L	1.25		111	70-130			

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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1502 - EPA 3510C (Sep Funnel)											
LCS (B1G1502-BS1)											
						Prepared: 07/15/11	Analyzed: 07/19/11				
gamma-BHC (Lindane)	1.37	0.40	0.029	ug/L	1.25		110	70-130			
gamma-Chlordane	1.38	0.40	0.032	ug/L	1.25		110	70-130			
Heptachlor	1.34	0.40	0.031	ug/L	1.25		107	70-130			
Heptachlor epoxide	1.38	0.40	0.031	ug/L	1.25		110	70-130			
Methoxychlor	1.34	0.40	0.029	ug/L	1.25		108	70-130			
Surrogate: Decachlorobiphenyl	1.30			ug/L	1.00		130	80.6-122			S10
Surrogate: Tetrachloro-meta-xylene	1.26			ug/L	1.00		126	71.7-111			S10
LCS Dup (B1G1502-BSD1)											
						Prepared: 07/15/11	Analyzed: 07/19/11				
4,4'-DDD	1.13	0.40	0.031	ug/L	1.25		90.4	70-130	22.4	20	R7
4,4'-DDE	1.10	0.40	0.031	ug/L	1.25		88.4	70-130	23.2	20	R7
4,4'-DDT	1.13	0.40	0.031	ug/L	1.25		90.4	70-130	22.7	20	R7
Aldrin	1.02	0.40	0.033	ug/L	1.25		82.0	70-130	23.3	20	R7
alpha-BHC	1.16	0.40	0.028	ug/L	1.25		93.2	70-130	16.9	20	
alpha-Chlordane	1.10	0.40	0.032	ug/L	1.25		88.0	70-130	21.9	20	R7
beta-BHC	1.14	0.40	0.031	ug/L	1.25		90.8	70-130	15.4	20	
delta-BHC	1.17	0.40	0.030	ug/L	1.25		93.6	70-130	17.5	20	
Dieldrin	1.12	0.40	0.031	ug/L	1.25		89.2	70-130	22.3	20	R7
Endosulfan I	1.12	0.40	0.032	ug/L	1.25		89.2	70-130	20.5	20	R7
Endosulfan II	1.12	0.40	0.032	ug/L	1.25		89.6	70-130	20.8	20	R7
Endosulfan sulfate	1.12	0.40	0.031	ug/L	1.25		90.0	70-130	19.6	20	
Endrin	1.12	0.40	0.033	ug/L	1.25		89.6	70-130	21.5	20	R7
Endrin aldehyde	1.62	0.40	0.040	ug/L	1.25		129	70-130	17.5	20	
Endrin ketone	1.14	0.40	0.031	ug/L	1.25		91.6	70-130	19.0	20	
gamma-BHC (Lindane)	1.16	0.40	0.029	ug/L	1.25		92.8	70-130	16.6	20	
gamma-Chlordane	1.10	0.40	0.032	ug/L	1.25		88.0	70-130	22.2	20	R7
Heptachlor	1.08	0.40	0.031	ug/L	1.25		86.0	70-130	21.9	20	R7
Heptachlor epoxide	1.12	0.40	0.031	ug/L	1.25		89.2	70-130	20.9	20	R7
Methoxychlor	1.10	0.40	0.029	ug/L	1.25		87.6	70-130	20.5	20	R7
Surrogate: Decachlorobiphenyl	1.06			ug/L	1.00		106	80.6-122			
Surrogate: Tetrachloro-meta-xylene	0.990			ug/L	1.00		99.0	71.7-111			

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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1505 - EPA 3545 ASE Extraction

Blank (B1G1505-BLK1)

Prepared & Analyzed: 07/15/11

4,4'-DDD	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDE	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDT	< 0.040	0.040	0.0020	mg/kg wet							
Aldrin	< 0.040	0.040	0.0021	mg/kg wet							
alpha-BHC	< 0.040	0.040	0.0020	mg/kg wet							
alpha-Chlordane	< 0.040	0.040	0.0020	mg/kg wet							
beta-BHC	< 0.040	0.040	0.0022	mg/kg wet							
delta-BHC	< 0.040	0.040	0.0020	mg/kg wet							
Dieldrin	< 0.040	0.040	0.0020	mg/kg wet							
Endosulfan I	< 0.040	0.040	0.0022	mg/kg wet							
Endosulfan II	< 0.040	0.040	0.0021	mg/kg wet							
Endosulfan sulfate	< 0.040	0.040	0.0021	mg/kg wet							
Endrin	< 0.040	0.040	0.0020	mg/kg wet							
Endrin aldehyde	< 0.040	0.040	0.0014	mg/kg wet							
Endrin ketone	< 0.040	0.040	0.0021	mg/kg wet							
gamma-BHC (Lindane)	< 0.040	0.040	0.0021	mg/kg wet							
gamma-Chlordane	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor epoxide	< 0.040	0.040	0.0020	mg/kg wet							
Methoxychlor	< 0.040	0.040	0.0021	mg/kg wet							
Toxaphene	< 0.080	0.080	0.016	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0713			mg/kg wet	0.0667		107	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0683			mg/kg wet	0.0667		102	65.2-135			

LCS (B1G1505-BS1)

Prepared & Analyzed: 07/15/11

4,4'-DDD	0.0853	0.040	0.0020	mg/kg wet	0.0833		102	70-130			
4,4'-DDE	0.0840	0.040	0.0020	mg/kg wet	0.0833		101	70-130			
4,4'-DDT	0.0877	0.040	0.0020	mg/kg wet	0.0833		105	70-130			
Aldrin	0.0830	0.040	0.0021	mg/kg wet	0.0833		99.6	70-130			
alpha-BHC	0.0837	0.040	0.0020	mg/kg wet	0.0833		100	70-130			
alpha-Chlordane	0.0833	0.040	0.0020	mg/kg wet	0.0833		100	70-130			
beta-BHC	0.0830	0.040	0.0022	mg/kg wet	0.0833		99.6	70-130			
delta-BHC	0.0850	0.040	0.0020	mg/kg wet	0.0833		102	70-130			
Dieldrin	0.0843	0.040	0.0020	mg/kg wet	0.0833		101	70-130			
Endosulfan I	0.0830	0.040	0.0022	mg/kg wet	0.0833		99.6	70-130			
Endosulfan II	0.0840	0.040	0.0021	mg/kg wet	0.0833		101	70-130			
Endosulfan sulfate	0.0847	0.040	0.0021	mg/kg wet	0.0833		102	70-130			
Endrin	0.0847	0.040	0.0020	mg/kg wet	0.0833		102	70-130			
Endrin aldehyde	0.108	0.040	0.0014	mg/kg wet	0.0833		130	70-130			
Endrin ketone	0.0853	0.040	0.0021	mg/kg wet	0.0833		102	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1505 - EPA 3545 ASE Extraction

LCS (B1G1505-BS1)

Prepared & Analyzed: 07/15/11

gamma-BHC (Lindane)	0.0837	0.040	0.0021	mg/kg wet	0.0833		100	70-130			
gamma-Chlordane	0.0833	0.040	0.0021	mg/kg wet	0.0833		100	70-130			
Heptachlor	0.0820	0.040	0.0021	mg/kg wet	0.0833		98.4	70-130			
Heptachlor epoxide	0.0833	0.040	0.0020	mg/kg wet	0.0833		100	70-130			
Methoxychlor	0.0837	0.040	0.0021	mg/kg wet	0.0833		100	70-130			
Surrogate: Decachlorobiphenyl	0.0733			mg/kg wet	0.0667		110	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0690			mg/kg wet	0.0667		104	65.2-135			

Matrix Spike (B1G1505-MS1)

Source: 1103143-03

Prepared & Analyzed: 07/15/11

4,4'-DDD	0.0987	0.043	0.0022	mg/kg dry	0.0907	<0.043	109	70-130			
4,4'-DDE	0.0965	0.043	0.0022	mg/kg dry	0.0907	<0.043	106	70-130			
4,4'-DDT	0.102	0.043	0.0022	mg/kg dry	0.0907	<0.043	113	70-130			
Aldrin	0.0936	0.043	0.0023	mg/kg dry	0.0907	<0.043	103	70-130			
alpha-BHC	0.0929	0.043	0.0022	mg/kg dry	0.0907	<0.043	102	70-130			
alpha-Chlordane	0.0954	0.043	0.0022	mg/kg dry	0.0907	<0.043	105	70-130			
beta-BHC	0.0936	0.043	0.0024	mg/kg dry	0.0907	<0.043	103	70-130			
delta-BHC	0.0892	0.043	0.0022	mg/kg dry	0.0907	<0.043	98.4	70-130			
Dieldrin	0.0961	0.043	0.0022	mg/kg dry	0.0907	<0.043	106	70-130			
Endosulfan I	0.0943	0.043	0.0024	mg/kg dry	0.0907	<0.043	104	70-130			
Endosulfan II	0.0965	0.043	0.0023	mg/kg dry	0.0907	<0.043	106	70-130			
Endosulfan sulfate	0.0972	0.043	0.0023	mg/kg dry	0.0907	<0.043	107	70-130			
Endrin	0.0965	0.043	0.0022	mg/kg dry	0.0907	<0.043	106	70-130			
Endrin aldehyde	0.112	0.043	0.0015	mg/kg dry	0.0907	<0.043	123	70-130			
Endrin ketone	0.0983	0.043	0.0023	mg/kg dry	0.0907	<0.043	108	70-130			
gamma-BHC (Lindane)	0.0936	0.043	0.0023	mg/kg dry	0.0907	<0.043	103	70-130			
gamma-Chlordane	0.0961	0.043	0.0023	mg/kg dry	0.0907	<0.043	106	70-130			
Heptachlor	0.0914	0.043	0.0023	mg/kg dry	0.0907	<0.043	101	70-130			
Heptachlor epoxide	0.0940	0.043	0.0022	mg/kg dry	0.0907	<0.043	104	70-130			
Methoxychlor	0.0969	0.043	0.0023	mg/kg dry	0.0907	<0.043	107	70-130			
Surrogate: Decachlorobiphenyl	0.0925			mg/kg dry	0.0726		128	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0871			mg/kg dry	0.0726		120	65.2-135			

Matrix Spike Dup (B1G1505-MSD1)

Source: 1103143-03

Prepared & Analyzed: 07/15/11

4,4'-DDD	0.0959	0.043	0.0022	mg/kg dry	0.0908	<0.043	106	70-130	2.85	17.3	
4,4'-DDE	0.0952	0.043	0.0022	mg/kg dry	0.0908	<0.043	105	70-130	1.38	18.9	
4,4'-DDT	0.0992	0.043	0.0022	mg/kg dry	0.0908	<0.043	109	70-130	3.11	37.6	
Aldrin	0.0926	0.043	0.0023	mg/kg dry	0.0908	<0.043	102	70-130	1.03	26.6	
alpha-BHC	0.0923	0.043	0.0022	mg/kg dry	0.0908	<0.043	102	70-130	0.649	27.3	
alpha-Chlordane	0.0941	0.043	0.0022	mg/kg dry	0.0908	<0.043	104	70-130	1.40	17.2	
beta-BHC	0.0926	0.043	0.0024	mg/kg dry	0.0908	<0.043	102	70-130	1.03	24.7	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1505 - EPA 3545 ASE Extraction											
Matrix Spike Dup (B1G1505-MSD1)		Source: 1103143-03				Prepared & Analyzed: 07/15/11					
delta-BHC	0.0905	0.043	0.0022	mg/kg dry	0.0908	<0.043	99.6	70-130	1.35	25.9	
Dieldrin	0.0944	0.043	0.0022	mg/kg dry	0.0908	<0.043	104	70-130	1.77	24.6	
Endosulfan I	0.0930	0.043	0.0024	mg/kg dry	0.0908	<0.043	102	70-130	1.42	18.2	
Endosulfan II	0.0941	0.043	0.0023	mg/kg dry	0.0908	<0.043	104	70-130	2.53	16.6	
Endosulfan sulfate	0.0941	0.043	0.0023	mg/kg dry	0.0908	<0.043	104	70-130	3.28	16.5	
Endrin	0.0948	0.043	0.0022	mg/kg dry	0.0908	<0.043	104	70-130	1.76	18.9	
Endrin aldehyde	0.105	0.043	0.0015	mg/kg dry	0.0908	<0.043	116	70-130	6.23	17.9	
Endrin ketone	0.0948	0.043	0.0023	mg/kg dry	0.0908	<0.043	104	70-130	3.62	15.7	
gamma-BHC (Lindane)	0.0930	0.043	0.0023	mg/kg dry	0.0908	<0.043	102	70-130	0.643	27	
gamma-Chlordane	0.0948	0.043	0.0023	mg/kg dry	0.0908	<0.043	104	70-130	1.39	20	
Heptachlor	0.0908	0.043	0.0023	mg/kg dry	0.0908	<0.043	100	70-130	0.662	20.3	
Heptachlor epoxide	0.0930	0.043	0.0022	mg/kg dry	0.0908	<0.043	102	70-130	1.03	26.2	
Methoxychlor	0.0930	0.043	0.0023	mg/kg dry	0.0908	<0.043	102	70-130	4.07	20.2	
Surrogate: Decachlorobiphenyl	0.0883			mg/kg dry	0.0727		122	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0872			mg/kg dry	0.0727		120	65.2-135			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1406 - EPA 3545 ASE Extraction

Blank (B1G1406-BLK1)

Prepared & Analyzed: 07/14/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1406 - EPA 3545 ASE Extraction

Blank (B1G1406-BLK1)

Prepared & Analyzed: 07/14/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.84			mg/kg wet	6.67		72.5	53-107			
Surrogate: 2-Fluorobiphenyl	4.58			mg/kg wet	6.67		68.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.57			mg/kg wet	6.67		53.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.83			mg/kg wet	6.67		72.4	48.9-100			
Surrogate: Phenol-d6	3.84			mg/kg wet	6.67		57.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.93			mg/kg wet	6.67		73.9	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103116
 Date Reported: 07/27/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1406 - EPA 3545 ASE Extraction

LCS (B1G1406-BS1)

Prepared & Analyzed: 07/14/11

1,2,4-Trichlorobenzene	4.56	0.33	0.031	mg/kg wet	6.67		68.4	59.1-87.7			
1,4-Dichlorobenzene	4.14	0.33	0.029	mg/kg wet	6.67		62.0	50.3-72.9			
2,4-Dinitrotoluene	4.56	0.33	0.035	mg/kg wet	6.67		68.5	59.8-82.2			
2-Chlorophenol	4.78	0.67	0.060	mg/kg wet	6.67		71.6	59.7-77.3			
4-Chloro-3-methylphenol	4.92	0.67	0.066	mg/kg wet	6.67		73.9	63.6-80.4			
4-Nitrophenol	4.66	0.67	0.093	mg/kg wet	6.67		69.8	57.3-84.9			
Anthracene	5.03	0.33	0.036	mg/kg wet	6.67		75.4	67.3-88			
Benzo(a)anthracene	5.18	0.33	0.041	mg/kg wet	6.67		77.6	66.5-90.5			
Benzo(a)pyrene	5.14	0.33	0.042	mg/kg wet	6.67		77.1	66.1-89.7			
Chrysene	5.21	0.33	0.044	mg/kg wet	6.67		78.2	65.5-90.5			
Fluoranthene	4.99	0.33	0.039	mg/kg wet	6.67		74.8	66.7-89.9			
Fluorene	4.55	0.33	0.035	mg/kg wet	6.67		68.2	66.2-85.6			
N-Nitrosodi-n-propylamine	4.58	0.33	0.033	mg/kg wet	6.67		68.7	59.4-78			
Pentachlorophenol	4.42	0.67	0.078	mg/kg wet	6.67		66.3	46.7-83.2			
Phenanthrene	5.11	0.33	0.036	mg/kg wet	6.67		76.7	67.5-87.9			
Phenol	4.19	0.67	0.069	mg/kg wet	6.67		62.9	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.71			mg/kg wet	6.67		85.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.31			mg/kg wet	6.67		64.6	53.9-97.9			
Surrogate: 2-Fluorophenol	4.23			mg/kg wet	6.67		63.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.52			mg/kg wet	6.67		67.7	48.9-100			
Surrogate: Phenol-d6	4.54			mg/kg wet	6.67		68.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.61			mg/kg wet	6.67		69.1	51-99.6			

Matrix Spike (B1G1406-MS1)

Source: 1103077-02

Prepared: 07/14/11 Analyzed: 07/15/11

1,2,4-Trichlorobenzene	4.73	0.36	0.034	mg/kg dry	7.36	<0.36	64.3	44.8-97.9			
1,4-Dichlorobenzene	4.27	0.36	0.032	mg/kg dry	7.36	<0.36	58.1	42.3-77.9			
2,4-Dinitrotoluene	4.90	0.36	0.038	mg/kg dry	7.36	<0.36	66.6	57.3-86.6			
2-Chlorophenol	4.72	0.74	0.066	mg/kg dry	7.36	<0.74	64.1	43.3-93.2			
4-Chloro-3-methylphenol	5.04	0.74	0.073	mg/kg dry	7.36	<0.74	68.5	47.1-97.6			
4-Nitrophenol	4.78	0.74	0.10	mg/kg dry	7.36	<0.74	64.9	49.3-96.2			
Anthracene	5.31	0.36	0.040	mg/kg dry	7.36	<0.36	72.2	67.5-93.1			
Benzo(a)anthracene	5.27	0.36	0.045	mg/kg dry	7.36	<0.36	71.7	59.8-95.7			
Benzo(a)pyrene	5.33	0.36	0.046	mg/kg dry	7.36	<0.36	72.4	59.8-92.7			
Chrysene	5.40	0.36	0.048	mg/kg dry	7.36	<0.36	73.4	62.5-94.6			
Fluoranthene	5.11	0.36	0.043	mg/kg dry	7.36	<0.36	69.5	61.3-92.8			
Fluorene	4.91	0.36	0.038	mg/kg dry	7.36	<0.36	66.8	62.8-92.6			
N-Nitrosodi-n-propylamine	4.98	0.36	0.036	mg/kg dry	7.36	<0.36	67.6	46.9-89.9			
Pentachlorophenol	5.40	0.74	0.086	mg/kg dry	7.36	<0.74	73.5	40.1-95.1			
Phenanthrene	5.42	0.36	0.040	mg/kg dry	7.36	<0.36	73.7	65.2-92.2			
Phenol	4.08	0.74	0.076	mg/kg dry	7.36	<0.74	55.5	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1406 - EPA 3545 ASE Extraction

Matrix Spike (B1G1406-MS1)

Source: 1103077-02

Prepared: 07/14/11

Analyzed: 07/15/11

Surrogate: 2,4,6-Tribromophenol	6.22			mg/kg dry	7.36		84.6	53-107			
Surrogate: 2-Fluorobiphenyl	5.58			mg/kg dry	7.36		75.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.43			mg/kg dry	7.36		60.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.97			mg/kg dry	7.36		81.2	48.9-100			
Surrogate: Phenol-d6	4.79			mg/kg dry	7.36		65.1	50.4-99.6			
Surrogate: Terphenyl-d14	6.13			mg/kg dry	7.36		83.3	51-99.6			

Matrix Spike Dup (B1G1406-MSD1)

Source: 1103077-02

Prepared: 07/14/11

Analyzed: 07/15/11

1,2,4-Trichlorobenzene	5.06	0.36	0.034	mg/kg dry	7.36	<0.36	68.8	44.8-97.9	6.74	19.6	
1,4-Dichlorobenzene	4.65	0.36	0.032	mg/kg dry	7.36	<0.36	63.2	42.3-77.9	8.50	22.4	
2,4-Dinitrotoluene	5.08	0.36	0.038	mg/kg dry	7.36	<0.36	69.0	57.3-86.6	3.64	19.5	
2-Chlorophenol	5.07	0.74	0.066	mg/kg dry	7.36	<0.74	68.9	43.3-93.2	7.19	23.7	
4-Chloro-3-methylphenol	5.25	0.74	0.073	mg/kg dry	7.36	<0.74	71.4	47.1-97.6	4.19	18.3	
4-Nitrophenol	4.95	0.74	0.10	mg/kg dry	7.36	<0.74	67.2	49.3-96.2	3.52	20.4	
Anthracene	5.55	0.36	0.040	mg/kg dry	7.36	<0.36	75.5	67.5-93.1	4.47	19.9	
Benzo(a)anthracene	5.46	0.36	0.045	mg/kg dry	7.36	<0.36	74.2	59.8-95.7	3.53	23.4	
Benzo(a)pyrene	5.52	0.36	0.046	mg/kg dry	7.36	<0.36	75.0	59.8-92.7	3.51	21.1	
Chrysene	5.66	0.36	0.048	mg/kg dry	7.36	<0.36	76.9	62.5-94.6	4.68	24.8	
Fluoranthene	5.21	0.36	0.043	mg/kg dry	7.36	<0.36	70.8	61.3-92.8	1.94	21.8	
Fluorene	5.11	0.36	0.038	mg/kg dry	7.36	<0.36	69.5	62.8-92.6	3.98	17.6	
N-Nitrosodi-n-propylamine	5.35	0.36	0.036	mg/kg dry	7.36	<0.36	72.7	46.9-89.9	7.31	18.9	
Pentachlorophenol	5.61	0.74	0.086	mg/kg dry	7.36	<0.74	76.2	40.1-95.1	3.77	19.7	
Phenanthrene	5.66	0.36	0.040	mg/kg dry	7.36	<0.36	76.9	65.2-92.2	4.29	20.5	
Phenol	4.33	0.74	0.076	mg/kg dry	7.36	<0.74	58.9	44.7-91	6.04	17.9	
Surrogate: 2,4,6-Tribromophenol	6.64			mg/kg dry	7.36		90.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.95			mg/kg dry	7.36		80.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.77			mg/kg dry	7.36		64.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.39			mg/kg dry	7.36		86.9	48.9-100			
Surrogate: Phenol-d6	5.18			mg/kg dry	7.36		70.4	50.4-99.6			
Surrogate: Terphenyl-d14	6.58			mg/kg dry	7.36		89.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1809 - EPA 3545 ASE Extraction

Blank (B1G1809-BLK1)

Prepared & Analyzed: 07/18/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1809 - EPA 3545 ASE Extraction

Blank (B1G1809-BLK1)

Prepared & Analyzed: 07/18/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.78			mg/kg wet	6.67		86.6	53-107			
Surrogate: 2-Fluorobiphenyl	5.53			mg/kg wet	6.67		83.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.44			mg/kg wet	6.67		66.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.77			mg/kg wet	6.67		86.5	48.9-100			
Surrogate: Phenol-d6	4.73			mg/kg wet	6.67		71.0	50.4-99.6			
Surrogate: Terphenyl-d14	5.58			mg/kg wet	6.67		83.7	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1809 - EPA 3545 ASE Extraction

LCS (B1G1809-BS1)

Prepared & Analyzed: 07/18/11

1,2,4-Trichlorobenzene	4.61	0.33	0.031	mg/kg wet	6.67		69.2	59.1-87.7			
1,4-Dichlorobenzene	3.83	0.33	0.029	mg/kg wet	6.67		57.4	50.3-72.9			
2,4-Dinitrotoluene	4.79	0.33	0.035	mg/kg wet	6.67		71.8	59.8-82.2			
2-Chlorophenol	4.66	0.67	0.060	mg/kg wet	6.67		69.8	59.7-77.3			
4-Chloro-3-methylphenol	5.10	0.67	0.066	mg/kg wet	6.67		76.5	63.6-80.4			
4-Nitrophenol	4.89	0.67	0.093	mg/kg wet	6.67		73.3	57.3-84.9			
Anthracene	5.26	0.33	0.036	mg/kg wet	6.67		78.9	67.3-88			
Benzo(a)anthracene	5.42	0.33	0.041	mg/kg wet	6.67		81.2	66.5-90.5			
Benzo(a)pyrene	5.45	0.33	0.042	mg/kg wet	6.67		81.7	66.1-89.7			
Chrysene	5.54	0.33	0.044	mg/kg wet	6.67		83.0	65.5-90.5			
Fluoranthene	5.12	0.33	0.039	mg/kg wet	6.67		76.8	66.7-89.9			
Fluorene	4.78	0.33	0.035	mg/kg wet	6.67		71.7	66.2-85.6			
N-Nitrosodi-n-propylamine	4.77	0.33	0.033	mg/kg wet	6.67		71.6	59.4-78			
Pentachlorophenol	5.13	0.67	0.078	mg/kg wet	6.67		76.9	46.7-83.2			
Phenanthrene	5.34	0.33	0.036	mg/kg wet	6.67		80.1	67.5-87.9			
Phenol	4.10	0.67	0.069	mg/kg wet	6.67		61.5	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	5.81			mg/kg wet	6.67		87.1	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	5.60			mg/kg wet	6.67		84.0	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	3.98			mg/kg wet	6.67		59.8	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	5.70			mg/kg wet	6.67		85.5	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.49			mg/kg wet	6.67		67.4	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	6.12			mg/kg wet	6.67		91.8	51-99.6			

Matrix Spike (B1G1809-MS1)

Source: 1103116-12

Prepared & Analyzed: 07/18/11

1,2,4-Trichlorobenzene	5.10	0.34	0.032	mg/kg dry	6.85	<0.34	74.4	44.8-97.9			
1,4-Dichlorobenzene	4.31	0.34	0.030	mg/kg dry	6.85	<0.34	63.0	42.3-77.9			
2,4-Dinitrotoluene	5.19	0.34	0.036	mg/kg dry	6.85	<0.34	75.8	57.3-86.6			
2-Chlorophenol	4.87	0.68	0.061	mg/kg dry	6.85	<0.68	71.2	43.3-93.2			
4-Chloro-3-methylphenol	5.37	0.68	0.067	mg/kg dry	6.85	<0.68	78.4	47.1-97.6			
4-Nitrophenol	4.85	0.68	0.095	mg/kg dry	6.85	<0.68	70.8	49.3-96.2			
Anthracene	5.71	0.34	0.037	mg/kg dry	6.85	<0.34	83.4	67.5-93.1			
Benzo(a)anthracene	5.87	0.34	0.042	mg/kg dry	6.85	<0.34	85.7	59.8-95.7			
Benzo(a)pyrene	5.90	0.34	0.043	mg/kg dry	6.85	<0.34	86.2	59.8-92.7			
Chrysene	6.05	0.34	0.045	mg/kg dry	6.85	<0.34	88.4	62.5-94.6			
Fluoranthene	5.53	0.34	0.040	mg/kg dry	6.85	<0.34	80.7	61.3-92.8			
Fluorene	5.29	0.34	0.036	mg/kg dry	6.85	<0.34	77.2	62.8-92.6			
N-Nitrosodi-n-propylamine	5.24	0.34	0.034	mg/kg dry	6.85	<0.34	76.6	46.9-89.9			
Pentachlorophenol	5.13	0.68	0.080	mg/kg dry	6.85	<0.68	75.0	40.1-95.1			
Phenanthrene	5.80	0.34	0.037	mg/kg dry	6.85	<0.34	84.7	65.2-92.2			
Phenol	4.22	0.68	0.070	mg/kg dry	6.85	<0.68	61.5	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1809 - EPA 3545 ASE Extraction

Matrix Spike (B1G1809-MS1)

Source: 1103116-12

Prepared & Analyzed: 07/18/11

Surrogate: 2,4,6-Tribromophenol	6.67			mg/kg dry	6.85		97.3	53-107			
Surrogate: 2-Fluorobiphenyl	6.23			mg/kg dry	6.85		90.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.63			mg/kg dry	6.85		67.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.46			mg/kg dry	6.85		94.3	48.9-100			
Surrogate: Phenol-d6	5.07			mg/kg dry	6.85		74.0	50.4-99.6			
Surrogate: Terphenyl-d14	6.73			mg/kg dry	6.85		98.2	51-99.6			

Matrix Spike Dup (B1G1809-MSD1)

Source: 1103116-12

Prepared & Analyzed: 07/18/11

1,2,4-Trichlorobenzene	5.11	0.34	0.032	mg/kg dry	6.83	<0.34	74.8	44.8-97.9	0.362	19.6	
1,4-Dichlorobenzene	4.44	0.34	0.030	mg/kg dry	6.83	<0.34	65.0	42.3-77.9	2.96	22.4	
2,4-Dinitrotoluene	5.28	0.34	0.036	mg/kg dry	6.83	<0.34	77.3	57.3-86.6	1.76	19.5	
2-Chlorophenol	5.02	0.68	0.061	mg/kg dry	6.83	<0.68	73.4	43.3-93.2	2.93	23.7	
4-Chloro-3-methylphenol	5.35	0.68	0.067	mg/kg dry	6.83	<0.68	78.3	47.1-97.6	0.329	18.3	
4-Nitrophenol	5.11	0.68	0.095	mg/kg dry	6.83	<0.68	74.7	49.3-96.2	5.29	20.4	
Anthracene	5.74	0.34	0.037	mg/kg dry	6.83	<0.34	84.0	67.5-93.1	0.439	19.9	
Benzo(a)anthracene	5.92	0.34	0.042	mg/kg dry	6.83	<0.34	86.7	59.8-95.7	0.898	23.4	
Benzo(a)pyrene	5.92	0.34	0.043	mg/kg dry	6.83	<0.34	86.6	59.8-92.7	0.260	21.1	
Chrysene	6.03	0.34	0.045	mg/kg dry	6.83	<0.34	88.2	62.5-94.6	0.321	24.8	
Fluoranthene	5.60	0.34	0.040	mg/kg dry	6.83	<0.34	82.0	61.3-92.8	1.31	21.8	
Fluorene	5.27	0.34	0.036	mg/kg dry	6.83	<0.34	77.1	62.8-92.6	0.288	17.6	
N-Nitrosodi-n-propylamine	5.31	0.34	0.034	mg/kg dry	6.83	<0.34	77.7	46.9-89.9	1.19	18.9	
Pentachlorophenol	5.25	0.68	0.080	mg/kg dry	6.83	<0.68	76.9	40.1-95.1	2.31	19.7	
Phenanthrene	5.82	0.34	0.037	mg/kg dry	6.83	<0.34	85.1	65.2-92.2	0.289	20.5	
Phenol	4.30	0.68	0.070	mg/kg dry	6.83	<0.68	62.9	44.7-91	1.89	17.9	
Surrogate: 2,4,6-Tribromophenol	6.54			mg/kg dry	6.83		95.7	53-107			
Surrogate: 2-Fluorobiphenyl	6.13			mg/kg dry	6.83		89.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.70			mg/kg dry	6.83		68.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.45			mg/kg dry	6.83		94.4	48.9-100			
Surrogate: Phenol-d6	5.12			mg/kg dry	6.83		74.9	50.4-99.6			
Surrogate: Terphenyl-d14	6.68			mg/kg dry	6.83		97.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Blank (B1G1902-BLK1)

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Blank (B1G1902-BLK1)

Prepared & Analyzed: 07/19/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	79.2			ug/L	100		79.2	30-122			
Surrogate: 2-Fluorobiphenyl	77.6			ug/L	100		77.6	39.2-104			
Surrogate: 2-Fluorophenol	66.0			ug/L	100		66.0	30-80.1			
Surrogate: Nitrobenzene-d5	76.8			ug/L	100		76.8	51.2-103			
Surrogate: Phenol-d6	58.8			ug/L	100		58.8	30-75.3			
Surrogate: Terphenyl-d14	90.4			ug/L	100		90.4	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

LCS (B1G1902-BS1)

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	65.6	10	0.30	ug/L	100	65.6	47.4-88.7
1,4-Dichlorobenzene	62.8	10	0.29	ug/L	100	62.8	39.5-81
2,4-Dinitrotoluene	83.1	10	0.45	ug/L	100	83.1	67.2-99.3
2-Chlorophenol	76.1	10	0.39	ug/L	100	76.1	56.5-85.9
4-Chloro-3-methylphenol	81.5	10	0.48	ug/L	100	81.5	62.1-98.2
4-Nitrophenol	78.5	10	0.78	ug/L	100	78.5	40.5-98.5
Anthracene	91.0	10	0.56	ug/L	100	91.0	70.6-95.3
Benzo(a)anthracene	87.2	10	0.50	ug/L	100	87.2	73.7-96.6
Benzo(a)pyrene	89.3	10	0.41	ug/L	100	89.3	70.9-92.6
Chrysene	89.9	10	0.61	ug/L	100	89.9	71.8-97.5
Fluoranthene	91.1	10	0.61	ug/L	100	91.1	73.6-96.8
Fluorene	88.2	10	0.52	ug/L	100	88.2	69.3-93.3
N-Nitrosodi-n-propylamine	79.8	10	0.25	ug/L	100	79.8	65.9-89.3
Pentachlorophenol	70.0	10	0.90	ug/L	100	70.0	55-107
Phenanthrene	91.9	10	0.35	ug/L	100	91.9	72.5-97.6
Phenol	58.5	10	0.41	ug/L	100	58.5	34.1-71.6
Surrogate: 2,4,6-Tribromophenol	82.5			ug/L	100	82.5	30-122
Surrogate: 2-Fluorobiphenyl	83.6			ug/L	100	83.6	39.2-104
Surrogate: 2-Fluorophenol	66.0			ug/L	100	66.0	30-80.1
Surrogate: Nitrobenzene-d5	79.6			ug/L	100	79.6	51.2-103
Surrogate: Phenol-d6	60.5			ug/L	100	60.5	30-75.3
Surrogate: Terphenyl-d14	77.8			ug/L	100	77.8	30-116

Matrix Spike (B1G1902-MS1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	68.6	9.3	0.28	ug/L	93.5	<9.3	73.4	39.2-90.6
1,4-Dichlorobenzene	64.9	9.3	0.27	ug/L	93.5	<9.3	69.5	34.1-81.6
2,4-Dinitrotoluene	83.1	9.3	0.42	ug/L	93.5	<9.3	88.9	41.1-110
2-Chlorophenol	75.3	9.3	0.36	ug/L	93.5	<9.3	80.6	30-96.4
4-Chloro-3-methylphenol	82.3	9.3	0.45	ug/L	93.5	<9.3	88.1	30-113
4-Nitrophenol	78.3	9.3	0.73	ug/L	93.5	<9.3	83.8	30-112
Anthracene	89.0	9.3	0.52	ug/L	93.5	<9.3	95.2	30-119
Benzo(a)anthracene	88.4	9.3	0.47	ug/L	93.5	<9.3	94.6	30-122
Benzo(a)pyrene	90.2	9.3	0.38	ug/L	93.5	<9.3	96.6	30-118
Chrysene	89.4	9.3	0.57	ug/L	93.5	<9.3	95.6	30-125
Fluoranthene	90.8	9.3	0.57	ug/L	93.5	<9.3	97.2	31.6-119
Fluorene	87.6	9.3	0.49	ug/L	93.5	<9.3	93.8	40.8-107
N-Nitrosodi-n-propylamine	79.2	9.3	0.23	ug/L	93.5	<9.3	84.8	47.2-94.8
Pentachlorophenol	71.8	9.3	0.84	ug/L	93.5	<9.3	76.8	30-130
Phenanthrene	90.1	9.3	0.33	ug/L	93.5	<9.3	96.4	38.2-117
Phenol	55.2	9.3	0.38	ug/L	93.5	<9.3	59.0	30-80

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Matrix Spike (B1G1902-MS1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

Surrogate: 2,4,6-Tribromophenol	84.9			ug/L	93.5		90.8	30-122			
Surrogate: 2-Fluorobiphenyl	82.8			ug/L	93.5		88.6	39.2-104			
Surrogate: 2-Fluorophenol	65.3			ug/L	93.5		69.9	30-80.1			
Surrogate: Nitrobenzene-d5	82.0			ug/L	93.5		87.8	51.2-103			
Surrogate: Phenol-d6	56.7			ug/L	93.5		60.7	30-75.3			
Surrogate: Terphenyl-d14	78.1			ug/L	93.5		83.6	30-116			

Matrix Spike Dup (B1G1902-MSD1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	58.2	9.3	0.28	ug/L	93.5	<9.3	62.3	39.2-90.6	16.4	23.6	
1,4-Dichlorobenzene	55.5	9.3	0.27	ug/L	93.5	<9.3	59.3	34.1-81.6	15.7	22.4	
2,4-Dinitrotoluene	73.0	9.3	0.42	ug/L	93.5	<9.3	78.2	41.1-110	12.8	17.2	
2-Chlorophenol	65.9	9.3	0.36	ug/L	93.5	<9.3	70.5	30-96.4	13.3	23.7	
4-Chloro-3-methylphenol	71.3	9.3	0.45	ug/L	93.5	<9.3	76.3	30-113	14.3	24.1	
4-Nitrophenol	70.3	9.3	0.73	ug/L	93.5	<9.3	75.2	30-112	10.8	34.3	
Anthracene	76.7	9.3	0.52	ug/L	93.5	<9.3	82.1	30-119	14.8	24.5	
Benzo(a)anthracene	78.3	9.3	0.47	ug/L	93.5	<9.3	83.8	30-122	12.1	27.8	
Benzo(a)pyrene	79.5	9.3	0.38	ug/L	93.5	<9.3	85.0	30-118	12.7	27.1	
Chrysene	79.6	9.3	0.57	ug/L	93.5	<9.3	85.2	30-125	11.6	28	
Fluoranthene	77.5	9.3	0.57	ug/L	93.5	<9.3	82.9	31.6-119	15.8	25.9	
Fluorene	75.4	9.3	0.49	ug/L	93.5	<9.3	80.7	40.8-107	15.0	20.6	
N-Nitrosodi-n-propylamine	68.8	9.3	0.23	ug/L	93.5	<9.3	73.6	47.2-94.8	14.1	15.8	
Pentachlorophenol	59.6	9.3	0.84	ug/L	93.5	<9.3	63.7	30-130	18.6	25.5	
Phenanthrene	78.3	9.3	0.33	ug/L	93.5	<9.3	83.8	38.2-117	13.9	19.3	
Phenol	50.6	9.3	0.38	ug/L	93.5	<9.3	54.1	30-80	8.66	31.9	
Surrogate: 2,4,6-Tribromophenol	72.7			ug/L	93.5		77.8	30-122			
Surrogate: 2-Fluorobiphenyl	71.1			ug/L	93.5		76.0	39.2-104			
Surrogate: 2-Fluorophenol	59.8			ug/L	93.5		64.0	30-80.1			
Surrogate: Nitrobenzene-d5	70.3			ug/L	93.5		75.2	51.2-103			
Surrogate: Phenol-d6	52.8			ug/L	93.5		56.5	30-75.3			
Surrogate: Terphenyl-d14	72.5			ug/L	93.5		77.6	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103116 Date Reported: 07/27/11
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Notes and Definitions

- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.
- S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
- R7 LFB/LFBD (LCS/LCSD) RPD exceeded laboratory acceptance limit. Recoveries met acceptance criteria.
- QM-10 LCS/LCSD were analyzed in place of MS/MSD.
- Q9 Insufficient sample received to meet method QC requirements.
- L1a The associated blank spike recovery was above laboratory acceptance limits.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

COC 1 of 3

Project Manager: JME
 Project OC Contact: AAN
 Sampled by: KEB
 Laboratory: Legend

Number of Containers/Preservative

Water	Soil											
	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	Total Number Of Containers	Date	Time	Received by:	Date	Time
VOCs (HCl) #1												
Dissolved Metals (HNO ₃)												
General (unpreserved) #3												
Diesel Range Organics (HCl)												
Nutrients (H ₂ SO ₄) #4												
VOCs (unpreserved) #2												
Matrix												
Water												
Soil												
Grab												
Comp.												
Type												
OC												
NO 36505												
Location	Depth	Start Depth	Stop Depth	Depth Unit	Collection Date	Collection Time	Matrix	On Ice?	Relinquished By	Relinquished By	Date	Time
1. CAP-T12	1 ft	1	1	ft	07/12/2011	07:45	X	N	Kurt Schryver	Kurt Schryver	7/13/11	06:00
2. FB-CAP-T12-1	-	-	-	-	-	08:00	X	N	-	-	-	-
3. M-1	-	-	-	-	-	-	X	N	-	-	-	-
4. CAP-T12	4 ft	4	4	ft	-	08:30	X	N	-	-	-	-
5. CAP-T13	1 ft	1	1	ft	-	09:15	X	N	-	-	-	-
6. M-2	-	-	-	-	-	-	X	N	-	-	-	-
7. FB-CAP-T13-1	-	-	-	-	-	09:30	X	N	-	-	-	-
8. CAP-T13	4 ft	4	4	ft	-	10:15	X	N	-	-	-	-
9. CAP-T14	0.5 ft	0.5	0.5	ft	-	10:15	X	N	-	-	-	-
10. CAP-T16	0.5 ft	0.5	0.5	ft	-	11:15	X	N	-	-	-	-

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TRN

Relinquished By: Kurt Schryver
 Relinquished By: _____
 Samples Shipped Via: Air Freight Federal Express Sampler Other: _____

Received by: _____
 Received by: Jilly Ash
 Date: 7/13/11
 Time: 11:00

Air Bill Number: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator
2.8°C Custody Seal

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

1103116

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR

Project Number: 2319-1092.00 4821 810
Project Name: UMore East - 60W East
Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: **NO 36495**

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type	Number of Containers/Preservative														
						Water	Soil	Grab		OC	Water						Soil							
1. CAP-TT5	1	1	ft	07/12/2011	11:30	X	X	X		VOCs (HCl) #1	VOCs (unpreserved) #2	Dissolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H3SO4) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	
2. CAP-TT5	5	5	↓		11:45	X	X	X																3
3. M-3	-	-	-		-	X	X	X																3
4. OP-TT3	0.5	0.5	ft		13:00	X	X	X																2
5. OP-TT3	2	2	↓		13:30	X	X	X																5
6. OP-TT3	3	3	↓		13:45	X	X	X																5
7. PB-OP-TT3-2'	-	-	-		14:00	X	X	X																4
8. M-4	-	-	-		-	X	X	X																3
9. OP-TT2	2	2	ft		15:00	X	X	X																5
10. OP-TT1	0.5	0.5	↓		15:30	X	X	X																5

Project Manager: JME
Project OC Contact: AAN
Sampled by: KCB
Laboratory: Legend

Analyze RRA Metals + SVOCS
Analyze RRA Metals
Analyze OC-Pest, SVOCS, RRA metals PCBs
Analyze RRA Metals + OC-Pest
Analyze RRA Metals + SVOCS + OC-Pest + PCBs

Relinquished By: *Just Schipper* Date: 07/13/11 06:00
Relinquished By: _____ Date: _____

Received by: *Holly Clark* Date: 7/13/11 11:00

Samples Shipped Via: Air Freight Federal Express Sampler Other: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1103116

Project Number: 2319-1092-00 4821 810

Project Name: UMP East - Gow East

Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 36496

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Total Number Of Containers
						Water	Soil	OC	
1. OP-T1	2	2	ft	07/12/11	1600	X	X	X	5
2.									
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

Analyze SVOCs,
 PCRA Metals, PCBs,
 OC-pest.

Number of Containers/Preservative

Water	Soil
VOCs (tared MeOH) #1 VOCs (unpreserved) #2 Dissolved Metals (HNO3) Total Metals (HNO3) General (unpreserved) #3 Diesel Range Organics (HCl) Nutrients (H2SO4) #4	VOCs (tared MeOH) #1 VOCs (unpreserved) #2 Metals (unpreserved) SVOCs (unpreserved) #2 % Solids (plastic vial, unpres.)

Project Manager: JME

Project OC Contact: AAN

Sampled by: KCB

Laboratory: Legend

COC 3 of 3

H:\FLG\STDFORMS\Chain Of Custody Form 2009_RLG_Rev. 09/10/09

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List

#2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Samples Shipped VIA: Air Freight Federal Express Sampler Other

Relinquished By: *Just Shapiro* Date: 7/13/11 Time: 0600

Relinquished By: *Hilly Cat* Date: 7/13/11 Time: 11:00

On Ice? Yes No

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

2.8c



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 27, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103117
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 07/13/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-29	1103117-01	Water	07/12/11 14:17	07/13/11 11:00
MW-C7-004	1103117-02	Water	07/12/11 16:25	07/13/11 11:00
Trip Blank	1103117-03	Water	07/11/11 00:00	07/13/11 11:00

Shipping Container Information

Default Cooler Temperature (°C): 2.8

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: chloride, nitrate+nitrite as N, sulfate, and perchlorate.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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DISSOLVED METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-29 (1103117-01) Water Sampled: 07/12/11 14:17 Received: 07/13/11 11:00										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Barium	0.070	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	100	1.0	0.030	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	35	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2604	07/26/11	07/26/11	EPA 7470A (Dissolved)	
Potassium	1.6	1.0	0.0016	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
Sodium	5.3	1.0	0.0053	mg/L	1	"	"	"	"	
MW-C7-004 (1103117-02) Water Sampled: 07/12/11 16:25 Received: 07/13/11 11:00										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Barium	0.099	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	100	1.0	0.030	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	30	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2604	07/26/11	07/26/11	EPA 7470A (Dissolved)	
Potassium	1.2	1.0	0.0016	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
Sodium	5.7	1.0	0.0053	mg/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-29 (1103117-01) Water Sampled: 07/12/11 14:17 Received: 07/13/11 11:00										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1902	07/19/11	07/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-29 (1103117-01) Water Sampled: 07/12/11 14:17 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1902	07/19/11	07/19/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.1			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	82.3			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.6			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	81.6			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	59.4			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	92.5			30-116 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103117
 Date Reported: 07/27/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-C7-004 (1103117-02) Water Sampled: 07/12/11 16:25 Received: 07/13/11 11:00										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1902	07/19/11	07/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-C7-004 (1103117-02) Water Sampled: 07/12/11 16:25 Received: 07/13/11 11:00										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1902	07/19/11	07/19/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.2			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	89.7			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.2			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	86.6			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	58.7			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	95.1			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-29 (1103117-01) Water Sampled: 07/12/11 14:17 Received: 07/13/11 11:00										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	1.2	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-29 (1103117-01) Water Sampled: 07/12/11 14:17 Received: 07/13/11 11:00										
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.6			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	103			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	100			80-120 %		"	"	"	"	

MW-C7-004 (1103117-02) Water Sampled: 07/12/11 16:25 Received: 07/13/11 11:00										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-C7-004 (1103117-02) Water Sampled: 07/12/11 16:25 Received: 07/13/11 11:00										
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-C7-004 (1103117-02) Water Sampled: 07/12/11 16:25 Received: 07/13/11 11:00										
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	100			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	102			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	99.8			80-120 %		"	"	"	"	

Trip Blank (1103117-03) Water Sampled: 07/11/11 00:00 Received: 07/13/11 11:00										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1103117-03) Water Sampled: 07/11/11 00:00 Received: 07/13/11 11:00										
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1103117-03) Water Sampled: 07/11/11 00:00 Received: 07/13/11 11:00										
Methylene chloride	2.1	5.0	0.85	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	J
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	104			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	103			80-120 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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WET CHEMISTRY
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-29 (1103117-01) Water Sampled: 07/12/11 14:17 Received: 07/13/11 11:00										
Total Alkalinity as CaCO ₃	310	20	5.3	mg/L	1	B1G2106	07/21/11	07/26/11	SM 2320 B-97	
MW-C7-004 (1103117-02) Water Sampled: 07/12/11 16:25 Received: 07/13/11 11:00										
Total Alkalinity as CaCO ₃	330	20	5.3	mg/L	1	B1G2106	07/21/11	07/26/11	SM 2320 B-97	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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ANIONS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-29 (1103117-01) Water Sampled: 07/12/11 14:17 Received: 07/13/11 11:00										
Chloride	20	0.50	0.014	mg/L	5	B1G1404	07/14/11	07/14/11	EPA 9056A	
Nitrate + Nitrite as N	11	0.14	0.025	mg/L	1	[CALC]	"	"	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1G2204	07/22/11	07/26/11	EPA 9056A(M)	
Sulfate as SO(4)	25	0.50	0.12	mg/L	5	B1G1404	07/14/11	07/14/11	EPA 9056A	
MW-C7-004 (1103117-02) Water Sampled: 07/12/11 16:25 Received: 07/13/11 11:00										
Chloride	9.4	0.10	0.0029	mg/L	1	B1G1404	07/14/11	07/14/11	EPA 9056A	
Nitrate + Nitrite as N	4.1	0.14	0.025	mg/L	1	[CALC]	"	07/14/11	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1G2204	07/22/11	07/26/11	EPA 9056A(M)	
Sulfate as SO(4)	16	0.50	0.12	mg/L	5	B1G1404	07/14/11	07/14/11	EPA 9056A	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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DISSOLVED METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2103 - EPA 200.7/3005A Digestion

Blank (B1G2103-BLK1)

Prepared & Analyzed: 07/21/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Calcium	< 1.0	1.0	0.030	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Magnesium	< 1.0	1.0	0.0021	mg/L							
Potassium	< 1.0	1.0	0.0016	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							
Sodium	< 1.0	1.0	0.0053	mg/L							

LCS (B1G2103-BS1)

Prepared & Analyzed: 07/21/11

Arsenic	0.412	0.010	0.0011	mg/L	0.399		103	80-120			
Barium	0.422	0.020	0.0012	mg/L	0.399		106	80-120			
Cadmium	0.412	0.0010	0.00013	mg/L	0.399		103	80-120			
Calcium	4.23	1.0	0.030	mg/L	3.99		106	80-120			
Chromium	0.422	0.010	0.00024	mg/L	0.399		106	80-120			
Lead	0.436	0.0030	0.00042	mg/L	0.399		109	80-120			
Magnesium	4.15	1.0	0.0021	mg/L	3.99		104	80-120			
Potassium	1.86	1.0	0.0016	mg/L	2.00		93.2	80-120			
Selenium	0.411	0.020	0.0019	mg/L	0.399		103	80-120			
Silver	0.0414	0.0050	0.00031	mg/L	0.0399		104	80-120			
Sodium	3.72	1.0	0.0053	mg/L	3.99		93.2	80-120			

LCS Dup (B1G2103-BSD1)

Prepared & Analyzed: 07/21/11

Arsenic	0.414	0.010	0.0011	mg/L	0.399		104	80-120	0.630	20	
Barium	0.424	0.020	0.0012	mg/L	0.399		106	80-120	0.562	20	
Cadmium	0.412	0.0010	0.00013	mg/L	0.399		103	80-120	0.0907	20	
Calcium	4.24	1.0	0.030	mg/L	3.99		106	80-120	0.261	20	
Chromium	0.424	0.010	0.00024	mg/L	0.399		106	80-120	0.340	20	
Lead	0.438	0.0030	0.00042	mg/L	0.399		110	80-120	0.465	20	
Magnesium	4.16	1.0	0.0021	mg/L	3.99		104	80-120	0.125	20	
Potassium	1.88	1.0	0.0016	mg/L	2.00		93.7	80-120	0.617	20	
Selenium	0.411	0.020	0.0019	mg/L	0.399		103	80-120	0.0830	20	
Silver	0.0416	0.0050	0.00031	mg/L	0.0399		104	80-120	0.516	20	
Sodium	3.73	1.0	0.0053	mg/L	3.99		93.4	80-120	0.195	20	

Matrix Spike (B1G2103-MS1)

Source: 1103116-02

Prepared & Analyzed: 07/21/11

Arsenic	0.405	0.010	0.0011	mg/L	0.399	<0.010	101	75-125			
Barium	0.414	0.020	0.0012	mg/L	0.399	<0.020	103	75-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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DISSOLVED METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2103 - EPA 200.7/3005A Digestion

Matrix Spike (B1G2103-MS1)

Source: 1103116-02

Prepared & Analyzed: 07/21/11

Cadmium	0.400	0.0010	0.00013	mg/L	0.399	<0.0010	100	75-125			
Calcium	4.19	1.0	0.030	mg/L	3.99	<1.0	104	75-125			
Chromium	0.413	0.010	0.00024	mg/L	0.399	<0.010	104	75-125			
Lead	0.427	0.0030	0.00042	mg/L	0.399	<0.0030	107	75-125			
Magnesium	4.07	1.0	0.0021	mg/L	3.99	<1.0	102	75-125			
Potassium	1.84	1.0	0.0016	mg/L	2.00	<1.0	89.9	75-125			
Selenium	0.403	0.020	0.0019	mg/L	0.399	<0.020	101	75-125			
Silver	0.0402	0.0050	0.00031	mg/L	0.0399	<0.0050	101	75-125			
Sodium	3.64	1.0	0.0053	mg/L	3.99	<1.0	91.1	75-125			

Matrix Spike Dup (B1G2103-MSD1)

Source: 1103116-02

Prepared & Analyzed: 07/21/11

Arsenic	0.417	0.010	0.0011	mg/L	0.399	<0.010	104	75-125	2.89	20	
Barium	0.428	0.020	0.0012	mg/L	0.399	<0.020	106	75-125	3.18	20	
Cadmium	0.415	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125	3.58	20	
Calcium	4.33	1.0	0.030	mg/L	3.99	<1.0	108	75-125	3.24	20	
Chromium	0.427	0.010	0.00024	mg/L	0.399	<0.010	107	75-125	3.22	20	
Lead	0.440	0.0030	0.00042	mg/L	0.399	<0.0030	110	75-125	3.10	20	
Magnesium	4.17	1.0	0.0021	mg/L	3.99	<1.0	104	75-125	2.54	20	
Potassium	1.89	1.0	0.0016	mg/L	2.00	<1.0	92.5	75-125	2.81	20	
Selenium	0.418	0.020	0.0019	mg/L	0.399	<0.020	105	75-125	3.58	20	
Silver	0.0412	0.0050	0.00031	mg/L	0.0399	<0.0050	103	75-125	2.48	20	
Sodium	3.70	1.0	0.0053	mg/L	3.99	<1.0	92.5	75-125	1.53	20	

Batch B1G2604 - EPA 245.1/7470A Digestion

Blank (B1G2604-BLK1)

Prepared & Analyzed: 07/26/11

Mercury	< 0.00020	0.00020	0.000037	mg/L							
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LCS (B1G2604-BS1)

Prepared & Analyzed: 07/26/11

Mercury	0.00211	0.00020	0.000037	mg/L	0.00200		106	80-120			
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LCS Dup (B1G2604-BSD1)

Prepared & Analyzed: 07/26/11

Mercury	0.00213	0.00020	0.000037	mg/L	0.00200		106	80-120	0.943	20	
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Matrix Spike (B1G2604-MS1)

Source: 1103117-01

Prepared & Analyzed: 07/26/11

Mercury	0.00217	0.00020	0.000037	mg/L	0.00200	<0.00020	108	75-125			
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Matrix Spike Dup (B1G2604-MSD1)

Source: 1103117-01

Prepared & Analyzed: 07/26/11

Mercury	0.00218	0.00020	0.000037	mg/L	0.00200	<0.00020	109	75-125	0.460	20	
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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Blank (B1G1902-BLK1)

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Blank (B1G1902-BLK1)

Prepared & Analyzed: 07/19/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	79.2			ug/L	100		79.2	30-122			
Surrogate: 2-Fluorobiphenyl	77.6			ug/L	100		77.6	39.2-104			
Surrogate: 2-Fluorophenol	66.0			ug/L	100		66.0	30-80.1			
Surrogate: Nitrobenzene-d5	76.8			ug/L	100		76.8	51.2-103			
Surrogate: Phenol-d6	58.8			ug/L	100		58.8	30-75.3			
Surrogate: Terphenyl-d14	90.4			ug/L	100		90.4	30-116			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103117
 Date Reported: 07/27/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

LCS (B1G1902-BS1)

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	65.6	10	0.30	ug/L	100		65.6	47.4-88.7			
1,4-Dichlorobenzene	62.8	10	0.29	ug/L	100		62.8	39.5-81			
2,4-Dinitrotoluene	83.1	10	0.45	ug/L	100		83.1	67.2-99.3			
2-Chlorophenol	76.1	10	0.39	ug/L	100		76.1	56.5-85.9			
4-Chloro-3-methylphenol	81.5	10	0.48	ug/L	100		81.5	62.1-98.2			
4-Nitrophenol	78.5	10	0.78	ug/L	100		78.5	40.5-98.5			
Anthracene	91.0	10	0.56	ug/L	100		91.0	70.6-95.3			
Benzo(a)anthracene	87.2	10	0.50	ug/L	100		87.2	73.7-96.6			
Benzo(a)pyrene	89.3	10	0.41	ug/L	100		89.3	70.9-92.6			
Chrysene	89.9	10	0.61	ug/L	100		89.9	71.8-97.5			
Fluoranthene	91.1	10	0.61	ug/L	100		91.1	73.6-96.8			
Fluorene	88.2	10	0.52	ug/L	100		88.2	69.3-93.3			
N-Nitrosodi-n-propylamine	79.8	10	0.25	ug/L	100		79.8	65.9-89.3			
Pentachlorophenol	70.0	10	0.90	ug/L	100		70.0	55-107			
Phenanthrene	91.9	10	0.35	ug/L	100		91.9	72.5-97.6			
Phenol	58.5	10	0.41	ug/L	100		58.5	34.1-71.6			
Surrogate: 2,4,6-Tribromophenol	82.5			ug/L	100		82.5	30-122			
Surrogate: 2-Fluorobiphenyl	83.6			ug/L	100		83.6	39.2-104			
Surrogate: 2-Fluorophenol	66.0			ug/L	100		66.0	30-80.1			
Surrogate: Nitrobenzene-d5	79.6			ug/L	100		79.6	51.2-103			
Surrogate: Phenol-d6	60.5			ug/L	100		60.5	30-75.3			
Surrogate: Terphenyl-d14	77.8			ug/L	100		77.8	30-116			

Matrix Spike (B1G1902-MS1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	68.6	9.3	0.28	ug/L	93.5	<9.3	73.4	39.2-90.6			
1,4-Dichlorobenzene	64.9	9.3	0.27	ug/L	93.5	<9.3	69.5	34.1-81.6			
2,4-Dinitrotoluene	83.1	9.3	0.42	ug/L	93.5	<9.3	88.9	41.1-110			
2-Chlorophenol	75.3	9.3	0.36	ug/L	93.5	<9.3	80.6	30-96.4			
4-Chloro-3-methylphenol	82.3	9.3	0.45	ug/L	93.5	<9.3	88.1	30-113			
4-Nitrophenol	78.3	9.3	0.73	ug/L	93.5	<9.3	83.8	30-112			
Anthracene	89.0	9.3	0.52	ug/L	93.5	<9.3	95.2	30-119			
Benzo(a)anthracene	88.4	9.3	0.47	ug/L	93.5	<9.3	94.6	30-122			
Benzo(a)pyrene	90.2	9.3	0.38	ug/L	93.5	<9.3	96.6	30-118			
Chrysene	89.4	9.3	0.57	ug/L	93.5	<9.3	95.6	30-125			
Fluoranthene	90.8	9.3	0.57	ug/L	93.5	<9.3	97.2	31.6-119			
Fluorene	87.6	9.3	0.49	ug/L	93.5	<9.3	93.8	40.8-107			
N-Nitrosodi-n-propylamine	79.2	9.3	0.23	ug/L	93.5	<9.3	84.8	47.2-94.8			
Pentachlorophenol	71.8	9.3	0.84	ug/L	93.5	<9.3	76.8	30-130			
Phenanthrene	90.1	9.3	0.33	ug/L	93.5	<9.3	96.4	38.2-117			
Phenol	55.2	9.3	0.38	ug/L	93.5	<9.3	59.0	30-80			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Matrix Spike (B1G1902-MS1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

Surrogate: 2,4,6-Tribromophenol	84.9			ug/L	93.5		90.8	30-122			
Surrogate: 2-Fluorobiphenyl	82.8			ug/L	93.5		88.6	39.2-104			
Surrogate: 2-Fluorophenol	65.3			ug/L	93.5		69.9	30-80.1			
Surrogate: Nitrobenzene-d5	82.0			ug/L	93.5		87.8	51.2-103			
Surrogate: Phenol-d6	56.7			ug/L	93.5		60.7	30-75.3			
Surrogate: Terphenyl-d14	78.1			ug/L	93.5		83.6	30-116			

Matrix Spike Dup (B1G1902-MSD1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	58.2	9.3	0.28	ug/L	93.5	<9.3	62.3	39.2-90.6	16.4	23.6	
1,4-Dichlorobenzene	55.5	9.3	0.27	ug/L	93.5	<9.3	59.3	34.1-81.6	15.7	22.4	
2,4-Dinitrotoluene	73.0	9.3	0.42	ug/L	93.5	<9.3	78.2	41.1-110	12.8	17.2	
2-Chlorophenol	65.9	9.3	0.36	ug/L	93.5	<9.3	70.5	30-96.4	13.3	23.7	
4-Chloro-3-methylphenol	71.3	9.3	0.45	ug/L	93.5	<9.3	76.3	30-113	14.3	24.1	
4-Nitrophenol	70.3	9.3	0.73	ug/L	93.5	<9.3	75.2	30-112	10.8	34.3	
Anthracene	76.7	9.3	0.52	ug/L	93.5	<9.3	82.1	30-119	14.8	24.5	
Benzo(a)anthracene	78.3	9.3	0.47	ug/L	93.5	<9.3	83.8	30-122	12.1	27.8	
Benzo(a)pyrene	79.5	9.3	0.38	ug/L	93.5	<9.3	85.0	30-118	12.7	27.1	
Chrysene	79.6	9.3	0.57	ug/L	93.5	<9.3	85.2	30-125	11.6	28	
Fluoranthene	77.5	9.3	0.57	ug/L	93.5	<9.3	82.9	31.6-119	15.8	25.9	
Fluorene	75.4	9.3	0.49	ug/L	93.5	<9.3	80.7	40.8-107	15.0	20.6	
N-Nitrosodi-n-propylamine	68.8	9.3	0.23	ug/L	93.5	<9.3	73.6	47.2-94.8	14.1	15.8	
Pentachlorophenol	59.6	9.3	0.84	ug/L	93.5	<9.3	63.7	30-130	18.6	25.5	
Phenanthrene	78.3	9.3	0.33	ug/L	93.5	<9.3	83.8	38.2-117	13.9	19.3	
Phenol	50.6	9.3	0.38	ug/L	93.5	<9.3	54.1	30-80	8.66	31.9	
Surrogate: 2,4,6-Tribromophenol	72.7			ug/L	93.5		77.8	30-122			
Surrogate: 2-Fluorobiphenyl	71.1			ug/L	93.5		76.0	39.2-104			
Surrogate: 2-Fluorophenol	59.8			ug/L	93.5		64.0	30-80.1			
Surrogate: Nitrobenzene-d5	70.3			ug/L	93.5		75.2	51.2-103			
Surrogate: Phenol-d6	52.8			ug/L	93.5		56.5	30-75.3			
Surrogate: Terphenyl-d14	72.5			ug/L	93.5		77.6	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1401 - EPA 5030 Water (Purge and Trap)

Blank (B1G1401-BLK1)

Prepared & Analyzed: 07/14/11

1,1,1,2-Tetrachloroethane	< 0.29	1.0	0.29	ug/L							
1,1,1-Trichloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2,2-Tetrachloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2-Trichloroethane	< 0.19	1.0	0.19	ug/L							
1,1,2-Trichlorotrifluoroethane	< 0.25	1.0	0.25	ug/L							
1,1-Dichloroethane	< 0.15	1.0	0.15	ug/L							
1,1-Dichloroethene	< 0.24	1.0	0.24	ug/L							
1,1-Dichloropropene	< 0.14	1.0	0.14	ug/L							
1,2,3-Trichlorobenzene	< 0.35	5.0	0.35	ug/L							
1,2,3-Trichloropropane	< 0.22	2.5	0.22	ug/L							
1,2,4-Trichlorobenzene	< 0.30	5.0	0.30	ug/L							
1,2,4-Trimethylbenzene	< 0.072	1.0	0.072	ug/L							
1,2-Dibromo-3-chloropropane	< 0.40	5.0	0.40	ug/L							
1,2-Dibromoethane (EDB)	< 0.15	2.5	0.15	ug/L							
1,2-Dichlorobenzene	< 0.12	1.0	0.12	ug/L							
1,2-Dichloroethane	< 0.26	1.0	0.26	ug/L							
1,2-Dichloropropane	< 0.19	1.0	0.19	ug/L							
1,3,5-Trimethylbenzene	< 0.11	1.0	0.11	ug/L							
1,3-Dichlorobenzene	< 0.15	1.0	0.15	ug/L							
1,3-Dichloropropane	< 0.16	1.0	0.16	ug/L							
1,4-Dichlorobenzene	< 0.081	1.0	0.081	ug/L							
2,2-Dichloropropane	< 0.66	5.0	0.66	ug/L							
2-Butanone	< 0.65	20	0.65	ug/L							
2-Chlorotoluene	< 0.081	1.0	0.081	ug/L							
4-Chlorotoluene	< 0.11	1.0	0.11	ug/L							
Acetone	< 3.8	20	3.8	ug/L							
Allyl chloride	< 0.51	5.0	0.51	ug/L							
Benzene	< 0.071	1.0	0.071	ug/L							
Bromobenzene	< 0.082	1.0	0.082	ug/L							
Bromochloromethane	< 0.20	1.0	0.20	ug/L							
Bromodichloromethane	< 0.23	1.0	0.23	ug/L							
Bromoform	< 0.26	5.0	0.26	ug/L							
Bromomethane	< 0.32	5.0	0.32	ug/L							
Carbon tetrachloride	< 0.15	1.0	0.15	ug/L							
Chlorobenzene	< 0.20	1.0	0.20	ug/L							
Chloroethane	< 0.27	2.5	0.27	ug/L							
Chloroform	< 0.15	1.0	0.15	ug/L							
Chloromethane	< 0.24	2.5	0.24	ug/L							
cis-1,2-Dichloroethene	< 0.12	1.0	0.12	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1401 - EPA 5030 Water (Purge and Trap)

Blank (B1G1401-BLK1)

Prepared & Analyzed: 07/14/11

cis-1,3-Dichloropropene	< 0.18	1.0	0.18	ug/L							
Dibromochloromethane	< 0.26	2.5	0.26	ug/L							
Dibromomethane	< 0.24	2.5	0.24	ug/L							
Dichlorodifluoromethane	< 0.25	5.0	0.25	ug/L							
Dichlorofluoromethane	< 0.21	1.0	0.21	ug/L							
Ethyl ether	< 0.27	5.0	0.27	ug/L							
Ethylbenzene	< 0.28	1.0	0.28	ug/L							
Hexachlorobutadiene	< 0.42	10	0.42	ug/L							
Isopropylbenzene	< 0.12	1.0	0.12	ug/L							
m,p-Xylene	< 0.57	2.0	0.57	ug/L							
Methyl isobutyl ketone	< 0.40	5.0	0.40	ug/L							
Methyl tert-butyl ether	< 0.16	1.0	0.16	ug/L							
Methylene chloride	< 0.85	5.0	0.85	ug/L							
Naphthalene	< 0.30	5.0	0.30	ug/L							
n-Butylbenzene	< 0.15	2.5	0.15	ug/L							
n-Propylbenzene	< 0.094	1.0	0.094	ug/L							
o-Xylene	< 0.19	1.0	0.19	ug/L							
p-Isopropyltoluene	< 0.14	2.5	0.14	ug/L							
sec-Butylbenzene	< 0.11	1.0	0.11	ug/L							
Styrene	< 0.21	1.0	0.21	ug/L							
tert-Butylbenzene	< 0.091	1.0	0.091	ug/L							
Tetrachloroethene	< 0.28	1.0	0.28	ug/L							
Tetrahydrofuran	< 0.75	20	0.75	ug/L							
Toluene	< 0.10	1.0	0.10	ug/L							
trans-1,2-Dichloroethene	< 0.056	1.0	0.056	ug/L							
trans-1,3-Dichloropropene	< 0.14	1.0	0.14	ug/L							
Trichloroethene	< 0.18	1.0	0.18	ug/L							
Trichlorofluoromethane	< 0.29	1.0	0.29	ug/L							
Vinyl chloride	< 0.21	1.0	0.21	ug/L							
Surrogate: 4-Bromofluorobenzene	48.4			ug/L	50.0		96.9	80-121			
Surrogate: Dibromofluoromethane	51.8			ug/L	50.0		104	79.9-121			
Surrogate: Toluene-d8	49.6			ug/L	50.0		99.2	80-120			

LCS (B1G1401-BS1)

Prepared & Analyzed: 07/14/11

1,1,2,2-Tetrachloroethane	50.1	1.0	0.16	ug/L	50.0		100	80-121			
1,1-Dichloroethane	50.5	1.0	0.15	ug/L	50.0		101	80-125			
1,1-Dichloroethene	42.2	1.0	0.24	ug/L	50.0		84.3	80-125			
1,3,5-Trimethylbenzene	51.9	1.0	0.11	ug/L	50.0		104	75.4-125			
1,4-Dichlorobenzene	52.6	1.0	0.081	ug/L	50.0		105	75-125			
2-Chlorotoluene	50.5	1.0	0.081	ug/L	50.0		101	75.4-125			

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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1401 - EPA 5030 Water (Purge and Trap)

LCS (B1G1401-BS1)

Prepared & Analyzed: 07/14/11

Benzene	52.0	1.0	0.071	ug/L	50.0		104	80-120			
Bromoform	53.4	5.0	0.26	ug/L	50.0		107	80-120			
Chlorobenzene	52.3	1.0	0.20	ug/L	50.0		105	80-120			
Chloroform	50.8	1.0	0.15	ug/L	50.0		102	80-123			
Ethylbenzene	52.3	1.0	0.28	ug/L	50.0		105	80-120			
n-Butylbenzene	61.4	2.5	0.15	ug/L	50.0		123	75-125			
n-Propylbenzene	53.2	1.0	0.094	ug/L	50.0		106	75.8-125			
Toluene	53.3	1.0	0.10	ug/L	50.0		107	80-120			
Trichloroethene	52.2	1.0	0.18	ug/L	50.0		104	80-120			
Vinyl chloride	50.1	1.0	0.21	ug/L	50.0		100	75-130			
Surrogate: 4-Bromofluorobenzene	53.5			ug/L	50.0		107	80-121			
Surrogate: Dibromofluoromethane	50.7			ug/L	50.0		101	79.9-121			
Surrogate: Toluene-d8	51.3			ug/L	50.0		103	80-120			

Matrix Spike (B1G1401-MS1)

Source: 1103117-01

Prepared & Analyzed: 07/14/11

1,1,2,2-Tetrachloroethane	51.9	1.0	0.16	ug/L	50.0	<1.0	104	76.8-125			
1,1-Dichloroethane	51.1	1.0	0.15	ug/L	50.0	<1.0	102	80-125			
1,1-Dichloroethene	41.8	1.0	0.24	ug/L	50.0	<1.0	83.6	80-125			
1,3,5-Trimethylbenzene	52.2	1.0	0.11	ug/L	50.0	<1.0	104	75-125			
1,4-Dichlorobenzene	52.8	1.0	0.081	ug/L	50.0	<1.0	106	75-125			
2-Chlorotoluene	50.5	1.0	0.081	ug/L	50.0	<1.0	101	75-125			
Benzene	50.7	1.0	0.071	ug/L	50.0	<1.0	101	80-120			
Bromoform	53.7	5.0	0.26	ug/L	50.0	<5.0	107	80-120			
Chlorobenzene	52.4	1.0	0.20	ug/L	50.0	<1.0	105	80-120			
Chloroform	52.2	1.0	0.15	ug/L	50.0	1.22	102	79.8-125			
Ethylbenzene	52.1	1.0	0.28	ug/L	50.0	<1.0	104	80-120			
n-Butylbenzene	61.8	2.5	0.15	ug/L	50.0	<2.5	124	75-130			
n-Propylbenzene	52.6	1.0	0.094	ug/L	50.0	<1.0	105	75-125			
Toluene	52.8	1.0	0.10	ug/L	50.0	<1.0	106	80-120			
Trichloroethene	50.0	1.0	0.18	ug/L	50.0	<1.0	99.9	80-120			
Vinyl chloride	50.2	1.0	0.21	ug/L	50.0	<1.0	100	75-130			
Surrogate: 4-Bromofluorobenzene	51.6			ug/L	50.0		103	80-121			
Surrogate: Dibromofluoromethane	49.9			ug/L	50.0		99.9	79.9-121			
Surrogate: Toluene-d8	50.0			ug/L	50.0		99.9	80-120			

Matrix Spike Dup (B1G1401-MSD1)

Source: 1103117-01

Prepared & Analyzed: 07/14/11

1,1,2,2-Tetrachloroethane	51.8	1.0	0.16	ug/L	50.0	<1.0	104	76.8-125	0.193	20	
1,1-Dichloroethane	51.3	1.0	0.15	ug/L	50.0	<1.0	103	80-125	0.444	20	
1,1-Dichloroethene	41.6	1.0	0.24	ug/L	50.0	<1.0	83.3	80-125	0.455	20	
1,3,5-Trimethylbenzene	52.0	1.0	0.11	ug/L	50.0	<1.0	104	75-125	0.350	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1401 - EPA 5030 Water (Purge and Trap)											
Matrix Spike Dup (B1G1401-MSD1)			Source: 1103117-01			Prepared & Analyzed: 07/14/11					
1,4-Dichlorobenzene	52.7	1.0	0.081	ug/L	50.0	<1.0	105	75-125	0.195	20	
2-Chlorotoluene	51.0	1.0	0.081	ug/L	50.0	<1.0	102	75-125	1.05	20	
Benzene	52.1	1.0	0.071	ug/L	50.0	<1.0	104	80-120	2.63	20	
Bromoform	56.8	5.0	0.26	ug/L	50.0	<5.0	114	80-120	5.78	20	
Chlorobenzene	54.5	1.0	0.20	ug/L	50.0	<1.0	109	80-120	3.94	20	
Chloroform	52.8	1.0	0.15	ug/L	50.0	1.22	103	79.8-125	1.10	20	
Ethylbenzene	53.4	1.0	0.28	ug/L	50.0	<1.0	107	80-120	2.54	20	
n-Butylbenzene	62.3	2.5	0.15	ug/L	50.0	<2.5	125	75-130	0.816	20	
n-Propylbenzene	53.1	1.0	0.094	ug/L	50.0	<1.0	106	75-125	0.962	20	
Toluene	53.0	1.0	0.10	ug/L	50.0	<1.0	106	80-120	0.349	20	
Trichloroethene	51.2	1.0	0.18	ug/L	50.0	<1.0	102	80-120	2.37	20	
Vinyl chloride	49.0	1.0	0.21	ug/L	50.0	<1.0	98.0	75-130	2.42	20	
Surrogate: 4-Bromofluorobenzene	52.9			ug/L	50.0		106	80-121			
Surrogate: Dibromofluoromethane	51.5			ug/L	50.0		103	79.9-121			
Surrogate: Toluene-d8	50.9			ug/L	50.0		102	80-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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WET CHEMISTRY - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2106 - General Prep											
Blank (B1G2106-BLK1)											
Total Alkalinity as CaCO(3)	< 20	20	5.3	mg/L							Prepared: 07/21/11 Analyzed: 07/26/11
Duplicate (B1G2106-DUP1)											
Source: 1103117-01											
Total Alkalinity as CaCO(3)	306	20	5.3	mg/L		310			1.30	20	Prepared: 07/21/11 Analyzed: 07/26/11
Reference (B1G2106-SRM1)											
Total Alkalinity as CaCO(3)	241			mg/L	249		96.8	90-110			Prepared: 07/21/11 Analyzed: 07/26/11

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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ANIONS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1404 - General Prep Dept 4											
Blank (B1G1404-BLK1)						Prepared & Analyzed: 07/14/11					
Chloride	< 0.10	0.10	0.0029	mg/L							
Nitrate as N	< 0.023	0.023	0.0045	mg/L							
Nitrite as N	< 0.030	0.030	0.0023	mg/L							
Sulfate as SO(4)	< 0.10	0.10	0.024	mg/L							
LCS (B1G1404-BS1)											
						Prepared & Analyzed: 07/14/11					
Chloride	4.12	0.10	0.0029	mg/L	4.00		103	80-120			
Nitrate as N	0.905	0.023	0.0045	mg/L	0.904		100	85-115			
Nitrite as N	1.29	0.030	0.0023	mg/L	1.22		106	85-115			
Sulfate as SO(4)	6.20	0.10	0.024	mg/L	6.00		103	80-120			
LCS Dup (B1G1404-BSD1)											
						Prepared & Analyzed: 07/14/11					
Chloride	4.11	0.10	0.0029	mg/L	4.00		103	80-120	0.0680		15
Nitrate as N	0.908	0.023	0.0045	mg/L	0.904		101	85-115	0.374		20
Nitrite as N	1.29	0.030	0.0023	mg/L	1.22		106	85-115	0.295		20
Sulfate as SO(4)	6.22	0.10	0.024	mg/L	6.00		104	80-120	0.201		15
Matrix Spike (B1G1404-MS1)											
						Source: 1103117-02			Prepared & Analyzed: 07/14/11		
Chloride	30.1	0.50	0.014	mg/L	20.0	9.42	103	80-120			
Nitrate as N	8.90	0.11	0.023	mg/L	4.52	4.06	107	85-115			
Sulfate as SO(4)	47.2	0.50	0.12	mg/L	30.0	15.9	104	80-120			
Matrix Spike (B1G1404-MS2)											
						Source: 1103117-02			Prepared: 07/15/11 Analyzed: 07/19/11		
Nitrite as N	1.36	0.030	0.0023	mg/L	1.22	<0.030	112	85-115			
Matrix Spike Dup (B1G1404-MSD1)											
						Source: 1103117-02			Prepared & Analyzed: 07/14/11		
Chloride	30.1	0.50	0.014	mg/L	20.0	9.42	103	80-120	0.0183		15
Nitrate as N	8.88	0.11	0.023	mg/L	4.52	4.06	107	85-115	0.241		20
Sulfate as SO(4)	47.3	0.50	0.12	mg/L	30.0	15.9	105	80-120	0.256		15
Matrix Spike Dup (B1G1404-MSD2)											
						Source: 1103117-02			Prepared: 07/15/11 Analyzed: 07/19/11		
Nitrite as N	1.38	0.030	0.0023	mg/L	1.22	<0.030	113	85-115	1.40		20

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103117 Date Reported: 07/27/11
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ANIONS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2204 - General Prep Dept 4											
Blank (B1G2204-BLK1)											
Perchlorate	< 0.10	0.10	0.019	mg/L							Prepared: 07/22/11 Analyzed: 07/26/11
LCS (B1G2204-BS1)											
Perchlorate	1.96	0.10	0.019	mg/L	2.01		97.7	80-120			Prepared: 07/22/11 Analyzed: 07/26/11
Matrix Spike (B1G2204-MS1)											
	Source: 1103117-01										Prepared: 07/22/11 Analyzed: 07/26/11
Perchlorate	1.99	0.10	0.019	mg/L	2.01	<0.10	99.2	80-120			
Matrix Spike Dup (B1G2204-MSD1)											
	Source: 1103117-01										Prepared: 07/22/11 Analyzed: 07/26/11
Perchlorate	1.99	0.10	0.019	mg/L	2.01	<0.10	99.1	80-120	0.0602	15	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103117
Date Reported: 07/27/11

Notes and Definitions

J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

1103117

Project Number: 23/19-092 4821 810
Project Name: Ume RE - Existing MW5
Sample Origin State: MN (use two letter postal state abbreviation)

COC Number: **No 36497**

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			COC
						Water	Soil	Grab/Comp.	
1. MW-29	147	147	FT	7/12/2011	14:17	X	X	X	311
2. MW-C7-004	87	87	FT	↓	16:25	X	X	X	311
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

Analyze for VOCs, metals, dissolved metals, SOCs, cyanides, anions, alkalinity, chloride, sulfate, nitrate, nitrite, perchlorate

Number of Containers/Preservative

Water	Soil
VOCs (HCl) #1	
SOCs (unpreserved) #2	
Dissolved Metals (HNO3) /Chms	
Total Metals (HNO3)	
General (unpreserved) #3	
Diesel Range Organics (HCl)	
Nutrients (H2SO4) #4	
Trace Metals (HNO3) /Chms	
VOCs (tared MeOH) #1	
GR0, BTEX (tared MeOH) #1	
DRO (tared unpreserved)	
Metals (unpreserved)	
SOCs (unpreserved) #2	
Soils (plastic vial, unpres.)	

Sample Log (Chloride, Sulfate, Nitrate, Nitrite, Cyanide, Ammonia)

COC 1 of 1

Project Manager: JME
Project OC Contact: AAN
Sampled by: ANU
Laboratory: Legend

Received by: [Signature] Date: 7/13/11 Time: 11:00

Relinquished by: [Signature] Date: 6/20

Relinquished By: [Signature]

On Ice? Y N
Federal Express Air Freight Other:

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

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Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator
2.8°C Custody Seal

BULK MATERIAL ASBESTOS ANALYSIS REPORT

Client: Ms. Andrea Nord
 Barr Engineering Co.
 4700 West 77th Street
 Minneapolis, MN 55435-4803

Report Date: 7/27/11

Project No.: 1103118

Client Project: 23191092.00 48RI 510

Date Received: 7/8/11

Date Analyzed: 7/13/11

SAMPLE NO.	LAB NO.	SAMPLE DESCRIPTION	ASBESTOS TYPE (%)	OTHER MATERIAL (%)
GC-SS4	1103118 - 1	GC-SS4 (Soil) Black/White, Cementitious/Fibrous Heterogeneous	None Detected	95% Nonfibrous 5% Cellulose

Revised Report to change sample name from GC-554 to GC-SS4

The analysis was performed in accordance with current U.S. Environmental Protection Agency (USEPA) protocols, "Method for the Determination of Asbestos in Bulk Building Materials," EPA 600/R-93/116, 1993. All reported percentages are by visual estimates. In the case of nonhomogeneous samples, each material or layer is analyzed separately and the reported percentages are based on the total sample as received, unless other instructions are received from the client. The samples were received in acceptable condition.

NVLAP Laboratory Accreditation Number: 102081-0

ANALYST:



Todd Giorgi
 Microscopist

- This document cannot be duplicated, except in its entirety, without the express written authorization from LEGEND TECHNICAL SERVICES, INC.
- This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.
- This report relates only to the above items tested.



Chain of Custody

4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

*- 1103118 - Asbestos -
 1103008 on 7/14/11*

Project Number: **23/19-1092 48RE 510**

Project Name: **Unsub RE - GOW Central**

Sample Origination State: **MM** (use two letter postal state abbreviation)

COC Number: **No 36504**

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type			VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	Solids (plastic vial, unpres.)	Flashpoint	Asbestos	Total Number Of Containers	
						Water	Soil	Grab	Comp.	QC																	
1. GC-SS4	0.5	0.5	FT	7/7/2011	16:00		X	X															X	X	X	3	
2.																											
3.																											
4.																											
5.																											
6.																											
7.																											
8.																											
9.																											
10.																											

COC **3** of **3**

Project Manager: **JME**

Project QC Contact: **AAN**

Sampled by: **ADN**

Laboratory: **Legend**

Analyze Per Flashpoint
 HOLD on Asbestos
 → JME

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCR, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <i>[Signature]</i>	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Date: 7/8/2011	Time	Received by: <i>[Signature]</i>	Date: 7/8/11	Time: 15:00
Relinquished By:	On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Date:	Time:	Received by:	Date:	Time:
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other:				Air Bill Number:		

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

UMP015982

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88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 29, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103143
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 07/14/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of the original report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CAP-TT7_0.5-0.5	1103143-01	Soil	07/13/11 08:00	07/14/11 09:45
CAP-TT9_1.5-1.5	1103143-02	Soil	07/13/11 08:30	07/14/11 09:45
OP-TT5_1-1	1103143-03	Soil	07/13/11 09:30	07/14/11 09:45
OP-TT4_1-1	1103143-04	Soil	07/13/11 10:00	07/14/11 09:45
OP-TT6_0.5-0.5	1103143-05	Soil	07/13/11 10:30	07/14/11 09:45
OP-TT7_0.5-0.5	1103143-06	Soil	07/13/11 11:00	07/14/11 09:45
OP-TT8_0.5-0.5	1103143-07	Soil	07/13/11 11:30	07/14/11 09:45
228A-TT1_0.5-0.5	1103143-08	Soil	07/13/11 12:45	07/14/11 09:45

Shipping Container Information

Default Cooler Temperature (°C):

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

Recovery for the 8270 surrogate terphenyl-d14 was above laboratory limits in samples CAP-TT7_0.5-0.5, OP-TT4_1-1, OP-TT7_0.5-0.5, OP-TT8_0.5-0.5 and 228A-TT1_0.5-0.5.

Recoveries for b-BHC, d-BHC, 4,4'-DDE and 4,4'-DDD were above the method acceptance limits and recoveries for 4,4'-DDT, and methoxychlor were below the method acceptance limits in the ending 8081A continuing calibration verification standard (CCVS). However, following calibration evaluation procedures per EPA 8000B, the average % difference for all analytes was within the method limit, verifying the calibration. The specific analytes are flagged as required.

Recovery for 4,4'-DDT was above laboratory acceptance limits in the 8081A batch B1G2201 MSD but within limits in the LCS and MS. The source sample was not associated with this work order.

This report was revised on July 29, 2011 to include the RCRA ICP metal results.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT7_0.5-0.5 (1103143-01) Soil Sampled: 07/13/11 08:00 Received: 07/14/11 9:45										
Arsenic	3.4	0.56	0.062	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Barium	57	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	0.35	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	11	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	15	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	0.80	0.11	0.020	mg/kg dry	1	B1G2602	07/26/11	07/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Silver	3.2	0.28	0.018	mg/kg dry	1	"	"	"	"	
CAP-TT9_1.5-1.5 (1103143-02) Soil Sampled: 07/13/11 08:30 Received: 07/14/11 9:45										
Arsenic	5.6	0.58	0.064	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Barium	110	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	15	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	7.1	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G2602	07/26/11	07/27/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
OP-TT5_1-1 (1103143-03) Soil Sampled: 07/13/11 09:30 Received: 07/14/11 9:45										
Arsenic	3.3	0.54	0.059	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Barium	49	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	9.6	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	6.6	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1G2602	07/26/11	07/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
OP-TT4_1-1 (1103143-04) Soil Sampled: 07/13/11 10:00 Received: 07/14/11 9:45										
Arsenic	4.6	0.49	0.054	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Barium	29	0.98	0.059	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.032	mg/kg dry	1	"	"	"	"	
Chromium	10	0.49	0.012	mg/kg dry	1	"	"	"	"	
Lead	12	0.98	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1G2602	07/26/11	07/27/11	EPA 7471A	
Selenium	<0.98	0.98	0.093	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
OP-TT6_0.5-0.5 (1103143-05) Soil Sampled: 07/13/11 10:30 Received: 07/14/11 9:45										

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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OP-TT6_0.5-0.5 (1103143-05) Soil Sampled: 07/13/11 10:30 Received: 07/14/11 9:45

Arsenic	5.4	0.61	0.067	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Barium	95	1.2	0.073	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	16	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	12	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G2602	07/26/11	07/27/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	

OP-TT7_0.5-0.5 (1103143-06) Soil Sampled: 07/13/11 11:00 Received: 07/14/11 9:45

Arsenic	6.3	0.58	0.064	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Barium	160	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	16	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	11	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G2602	07/26/11	07/27/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	

OP-TT8_0.5-0.5 (1103143-07) Soil Sampled: 07/13/11 11:30 Received: 07/14/11 9:45

Arsenic	7.4	0.61	0.067	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Barium	170	1.2	0.073	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	19	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	14	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G2602	07/26/11	07/27/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	

228A-TT1_0.5-0.5 (1103143-08) Soil Sampled: 07/13/11 12:45 Received: 07/14/11 9:45

Arsenic	6.4	0.60	0.065	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Barium	120	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.039	mg/kg dry	1	"	"	"	"	
Chromium	16	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	10	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1G2602	07/26/11	07/27/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G1806	07/18/11	07/29/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT7_0.5-0.5 (1103143-01) Soil Sampled: 07/13/11 08:00 Received: 07/14/11 9:45										
Aroclor 1016	<0.22	0.22	0.0089	mg/kg dry	1	B1G2202	07/22/11	07/23/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.026	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.045	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.045	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.22	0.22	0.0066	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	87.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	91.0			60.9-138 %		"	"	"	"	
OP-TT5_1-1 (1103143-03) Soil Sampled: 07/13/11 09:30 Received: 07/14/11 9:45										
Aroclor 1016	<0.22	0.22	0.0085	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.22	0.22	0.0063	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	112			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	118			60.9-138 %		"	"	"	"	
OP-TT4_1-1 (1103143-04) Soil Sampled: 07/13/11 10:00 Received: 07/14/11 9:45										
Aroclor 1016	<0.21	0.21	0.0081	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	95.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	97.0			60.9-138 %		"	"	"	"	
OP-TT6_0.5-0.5 (1103143-05) Soil Sampled: 07/13/11 10:30 Received: 07/14/11 9:45										
Aroclor 1016	<0.24	0.24	0.0096	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.24	0.24	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.24	0.24	0.028	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.24	0.24	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.24	0.24	0.049	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.24	0.24	0.049	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.24	0.24	0.0072	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	116			65.3-143 %		"	"	"	"	

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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT6_0.5-0.5 (1103143-05) Soil Sampled: 07/13/11 10:30 Received: 07/14/11 9:45										
<i>Surrogate: Tetrachloro-meta-xylene</i>	120			60.9-138 %		B1G1504	07/15/11	07/16/11	EPA 8082	
OP-TT7_0.5-0.5 (1103143-06) Soil Sampled: 07/13/11 11:00 Received: 07/14/11 9:45										
Aroclor 1016	<0.23	0.23	0.0092	mg/kg dry	1	B1G1504	07/15/11	07/16/11	EPA 8082	
Aroclor 1221	<0.23	0.23	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.23	0.23	0.027	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.23	0.23	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.23	0.23	0.047	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.23	0.23	0.047	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.23	0.23	0.0069	mg/kg dry	1	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	115			65.3-143 %		"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>	118			60.9-138 %		"	"	"	"	
OP-TT8_0.5-0.5 (1103143-07) Soil Sampled: 07/13/11 11:30 Received: 07/14/11 9:45										
Aroclor 1016	<0.24	0.24	0.0096	mg/kg dry	1	B1G2202	07/22/11	07/23/11	EPA 8082	
Aroclor 1221	<0.24	0.24	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.24	0.24	0.028	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.24	0.24	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.24	0.24	0.049	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.24	0.24	0.049	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.24	0.24	0.0072	mg/kg dry	1	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	108			65.3-143 %		"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>	99.5			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT7_0.5-0.5 (1103143-01) Soil Sampled: 07/13/11 08:00 Received: 07/14/11 9:45										
% Solids	89			%	1	B1G1922	07/19/11	07/20/11	% calculation	
CAP-TT9_1.5-1.5 (1103143-02) Soil Sampled: 07/13/11 08:30 Received: 07/14/11 9:45										
% Solids	86			%	1	B1G1922	07/19/11	07/20/11	% calculation	
OP-TT5_1-1 (1103143-03) Soil Sampled: 07/13/11 09:30 Received: 07/14/11 9:45										
% Solids	93			%	1	B1G1922	07/19/11	07/20/11	% calculation	
OP-TT4_1-1 (1103143-04) Soil Sampled: 07/13/11 10:00 Received: 07/14/11 9:45										
% Solids	97			%	1	B1G1922	07/19/11	07/20/11	% calculation	
OP-TT6_0.5-0.5 (1103143-05) Soil Sampled: 07/13/11 10:30 Received: 07/14/11 9:45										
% Solids	82			%	1	B1G1922	07/19/11	07/20/11	% calculation	
OP-TT7_0.5-0.5 (1103143-06) Soil Sampled: 07/13/11 11:00 Received: 07/14/11 9:45										
% Solids	86			%	1	B1G1922	07/19/11	07/20/11	% calculation	
OP-TT8_0.5-0.5 (1103143-07) Soil Sampled: 07/13/11 11:30 Received: 07/14/11 9:45										
% Solids	82			%	1	B1G1922	07/19/11	07/20/11	% calculation	
228A-TT1_0.5-0.5 (1103143-08) Soil Sampled: 07/13/11 12:45 Received: 07/14/11 9:45										
% Solids	84			%	1	B1G1922	07/19/11	07/20/11	% calculation	

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT5_1-1 (1103143-03) Soil Sampled: 07/13/11 09:30 Received: 07/14/11 9:45										
4,4'-DDD	<0.043	0.043	0.0022	mg/kg dry	1	B1G1505	07/15/11	07/16/11	EPA 8081A	
4,4'-DDE	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
Aldrin	<0.043	0.043	0.0023	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.043	0.043	0.0024	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.043	0.043	0.0024	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.043	0.043	0.0023	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.043	0.043	0.0023	mg/kg dry	1	"	"	"	"	
Endrin	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.043	0.043	0.0015	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.043	0.043	0.0023	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.043	0.043	0.0023	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.043	0.043	0.0023	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.043	0.043	0.0023	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.043	0.043	0.0023	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.086	0.086	0.017	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	118			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	121			65.2-135 %		"	"	"	"	

OP-TT4_1-1 (1103143-04) Soil Sampled: 07/13/11 10:00 Received: 07/14/11 9:45										
4,4'-DDD	<0.041	0.041	0.0021	mg/kg dry	1	B1G1505	07/15/11	07/16/11	EPA 8081A	
4,4'-DDE	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Aldrin	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.041	0.041	0.0023	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.041	0.041	0.0023	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.041	0.041	0.0014	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT4_1-1 (1103143-04) Soil Sampled: 07/13/11 10:00 Received: 07/14/11 9:45										
gamma-BHC (Lindane)	<0.041	0.041	0.0022	mg/kg dry	1	B1G1505	07/15/11	07/16/11	EPA 8081A	
gamma-Chlordane	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.082	0.082	0.016	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	100			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	99.0			65.2-135 %		"	"	"	"	

OP-TT6_0.5-0.5 (1103143-05) Soil Sampled: 07/13/11 10:30 Received: 07/14/11 9:45										
4,4'-DDD	<0.049	0.049	0.0024	mg/kg dry	1	B1G1505	07/15/11	07/16/11	EPA 8081A	
4,4'-DDE	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
Aldrin	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.049	0.049	0.0027	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.049	0.049	0.0027	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Endrin	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.049	0.049	0.0017	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.098	0.098	0.020	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	122			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	122			65.2-135 %		"	"	"	"	

OP-TT7_0.5-0.5 (1103143-06) Soil Sampled: 07/13/11 11:00 Received: 07/14/11 9:45										
4,4'-DDD	<0.047	0.047	0.0023	mg/kg dry	1	B1G1505	07/15/11	07/16/11	EPA 8081A	
4,4'-DDE	<0.047	0.047	0.0023	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.047	0.047	0.0023	mg/kg dry	1	"	"	"	"	
Aldrin	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.047	0.047	0.0023	mg/kg dry	1	"	"	"	"	

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT7_0.5-0.5 (1103143-06) Soil Sampled: 07/13/11 11:00 Received: 07/14/11 9:45										
alpha-Chlordane	<0.047	0.047	0.0023	mg/kg dry	1	B1G1505	07/15/11	07/16/11	EPA 8081A	
beta-BHC	<0.047	0.047	0.0026	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.047	0.047	0.0023	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.047	0.047	0.0023	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.047	0.047	0.0026	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
Endrin	<0.047	0.047	0.0023	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.047	0.047	0.0016	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.047	0.047	0.0023	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.093	0.093	0.019	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	126			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	120			65.2-135 %		"	"	"	"	

OP-TT8_0.5-0.5 (1103143-07) Soil Sampled: 07/13/11 11:30 Received: 07/14/11 9:45										
4,4'-DDD	<0.049	0.049	0.0024	mg/kg dry	1	B1G2201	07/22/11	07/23/11	EPA 8081A	V7
4,4'-DDE	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	V7
4,4'-DDT	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	V8
Aldrin	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.049	0.049	0.0027	mg/kg dry	1	"	"	"	"	V7
delta-BHC	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	V7
Dieldrin	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.049	0.049	0.0027	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Endrin	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.049	0.049	0.0017	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	V8

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT8_0.5-0.5 (1103143-07) Soil Sampled: 07/13/11 11:30 Received: 07/14/11 9:45										
Toxaphene	<0.098	0.098	0.020	mg/kg dry	1	B1G2201	07/22/11	07/23/11	EPA 8081A	
Surrogate: Decachlorobiphenyl	106			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	106			65.2-135 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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CAP-TT7_0.5-0.5 (1103143-01) Soil Sampled: 07/13/11 08:00 Received: 07/14/11 9:45

1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT7_0.5-0.5 (1103143-01) Soil Sampled: 07/13/11 08:00 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.15	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	72.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	94.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	90.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	103			51-99.6 %		"	"	"	"	S-GC

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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CAP-TT9_1.5-1.5 (1103143-02) Soil Sampled: 07/13/11 08:30 Received: 07/14/11 9:45

1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT9_1.5-1.5 (1103143-02) Soil Sampled: 07/13/11 08:30 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.056	0.38	0.056	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	62.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	85.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	60.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	95.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT5_1-1 (1103143-03) Soil Sampled: 07/13/11 09:30 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT5_1-1 (1103143-03) Soil Sampled: 07/13/11 09:30 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	70.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	92.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	87.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	65.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	99.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT4_1-1 (1103143-04) Soil Sampled: 07/13/11 10:00 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT4_1-1 (1103143-04) Soil Sampled: 07/13/11 10:00 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	65.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	92.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	90.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	106			51-99.6 %		"	"	"	"	S-GC

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT6_0.5-0.5 (1103143-05) Soil Sampled: 07/13/11 10:30 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.82	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.091	0.82	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.073	0.82	0.073	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	2.0	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.82	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.82	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.82	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT6_0.5-0.5 (1103143-05) Soil Sampled: 07/13/11 10:30 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.059	0.40	0.059	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
Pyrene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	61.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	80.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	56.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	78.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	58.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	83.6			51-99.6 %		"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103143
Date Reported: 07/29/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT7_0.5-0.5 (1103143-06) Soil Sampled: 07/13/11 11:00 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT7_0.5-0.5 (1103143-06) Soil Sampled: 07/13/11 11:00 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.056	0.38	0.056	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	68.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	90.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	88.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	100			51-99.6 %		"	"	"	"	S-GC

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT8_0.5-0.5 (1103143-07) Soil Sampled: 07/13/11 11:30 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.82	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.091	0.82	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.073	0.82	0.073	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	2.0	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.82	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.82	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.82	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT8_0.5-0.5 (1103143-07) Soil Sampled: 07/13/11 11:30 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.059	0.40	0.059	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Chrysene	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
Pyrene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	62.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	93.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	89.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	65.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	102			51-99.6 %		"	"	"	"	S-GC

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
228A-TT1_0.5-0.5 (1103143-08) Soil Sampled: 07/13/11 12:45 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
228A-TT1_0.5-0.5 (1103143-08) Soil Sampled: 07/13/11 12:45 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.057	0.39	0.057	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	67.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	94.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	90.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	102			51-99.6 %		"	"	"	"	S-GC

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1806 - EPA 3050B

Blank (B1G1806-BLK1)

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G1806-BS1)

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	40.6	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	41.6	1.0	0.060	mg/kg wet	39.9		104	80-120			
Cadmium	40.7	0.25	0.033	mg/kg wet	39.9		102	80-120			
Chromium	41.5	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.3	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	40.5	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1G1806-BSD1)

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	40.1	0.50	0.055	mg/kg wet	39.9		100	80-120	1.18	20	
Barium	41.1	1.0	0.060	mg/kg wet	39.9		103	80-120	1.15	20	
Cadmium	40.0	0.25	0.033	mg/kg wet	39.9		100	80-120	1.73	20	
Chromium	40.7	0.50	0.012	mg/kg wet	39.9		102	80-120	1.84	20	
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120	1.38	20	
Selenium	39.9	1.0	0.095	mg/kg wet	39.9		99.9	80-120	1.71	20	
Silver	4.07	0.25	0.016	mg/kg wet	3.99		102	80-120	2.21	20	

Matrix Spike (B1G1806-MS1)

Source: 1103143-08

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	48.4	0.60	0.065	mg/kg dry	45.7	6.38	92.1	75-125			
Barium	169	1.2	0.071	mg/kg dry	45.7	115	117	75-125			
Cadmium	43.1	0.30	0.039	mg/kg dry	45.7	<0.30	94.0	75-125			
Chromium	60.7	0.60	0.014	mg/kg dry	45.7	16.2	97.6	75-125			
Lead	51.8	1.2	0.17	mg/kg dry	45.7	10.0	91.5	75-125			
Selenium	41.7	1.2	0.11	mg/kg dry	45.7	<1.2	91.0	75-125			
Silver	4.23	0.30	0.019	mg/kg dry	4.57	<0.30	92.6	75-125			

Matrix Spike Dup (B1G1806-MSD1)

Source: 1103143-08

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	47.3	0.57	0.062	mg/kg dry	45.2	6.38	90.6	75-125	2.26	20	
Barium	165	1.1	0.068	mg/kg dry	45.2	115	109	75-125	2.55	20	
Cadmium	42.1	0.28	0.037	mg/kg dry	45.2	<0.28	92.6	75-125	2.46	20	
Chromium	60.2	0.57	0.014	mg/kg dry	45.2	16.2	97.3	75-125	0.945	20	
Lead	50.1	1.1	0.16	mg/kg dry	45.2	10.0	88.8	75-125	3.23	20	
Selenium	40.5	1.1	0.11	mg/kg dry	45.2	<1.1	89.1	75-125	3.06	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1806 - EPA 3050B											
Matrix Spike Dup (B1G1806-MSD1)						Source: 1103143-08			Prepared: 07/18/11 Analyzed: 07/29/11		
Silver	4.14	0.28	0.018	mg/kg dry	4.52	<0.28	91.6	75-125	2.04	20	
Batch B1G2602 - EPA 7471A											
Blank (B1G2602-BLK1)						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G2602-BS1)						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.225	0.10	0.019	mg/kg wet	0.200		112	80-120			
LCS Dup (B1G2602-BSD1)						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.226	0.10	0.019	mg/kg wet	0.200		113	80-120	0.443	20	
Matrix Spike (B1G2602-MS1)						Source: 1103142-22			Prepared: 07/26/11 Analyzed: 07/27/11		
Mercury	0.263	0.10	0.019	mg/kg dry	0.204	<0.10	112	75-125			
Matrix Spike Dup (B1G2602-MSD1)						Source: 1103142-22			Prepared: 07/26/11 Analyzed: 07/27/11		
Mercury	0.266	0.11	0.020	mg/kg dry	0.211	<0.11	110	75-125	1.47	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1504 - EPA 3545 ASE Extraction

Blank (B1G1504-BLK1)

Prepared & Analyzed: 07/15/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0677			mg/kg wet	0.0667		102	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0670			mg/kg wet	0.0667		100	60.9-138			

LCS (B1G1504-BS1)

Prepared: 07/15/11 Analyzed: 07/16/11

Aroclor 1260	0.344	0.20	0.0059	mg/kg wet	0.333		103	70-130			
Surrogate: Decachlorobiphenyl	0.0710			mg/kg wet	0.0667		106	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0680			mg/kg wet	0.0667		102	60.9-138			

Matrix Spike (B1G1504-MS1)

Source: 1103077-01

Prepared: 07/15/11 Analyzed: 07/16/11

Aroclor 1260	0.393	0.22	0.0064	mg/kg dry	0.362	<0.22	109	70-130			
Surrogate: Decachlorobiphenyl	0.0800			mg/kg dry	0.0724		110	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0771			mg/kg dry	0.0724		106	60.9-138			

Matrix Spike Dup (B1G1504-MSD1)

Source: 1103077-01

Prepared: 07/15/11 Analyzed: 07/16/11

Aroclor 1260	0.406	0.22	0.0064	mg/kg dry	0.362	<0.22	112	70-130	3.37	17.2	
Surrogate: Decachlorobiphenyl	0.0832			mg/kg dry	0.0723		115	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0796			mg/kg dry	0.0723		110	60.9-138			

Batch B1G2202 - EPA 3545 ASE Extraction

Blank (B1G2202-BLK1)

Prepared: 07/22/11 Analyzed: 07/23/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0663			mg/kg wet	0.0667		99.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0593			mg/kg wet	0.0667		89.0	60.9-138			

LCS (B1G2202-BS1)

Prepared: 07/22/11 Analyzed: 07/23/11

Aroclor 1260	0.301	0.20	0.0059	mg/kg wet	0.333		90.2	70-130			
Surrogate: Decachlorobiphenyl	0.0663			mg/kg wet	0.0667		99.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0610			mg/kg wet	0.0667		91.5	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2202 - EPA 3545 ASE Extraction											
Matrix Spike (B1G2202-MS1)		Source: 1103159-01			Prepared: 07/22/11		Analyzed: 07/23/11				
Aroclor 1260	0.368	0.24	0.0069	mg/kg dry	0.396	<0.24	92.9	70-130			
Surrogate: Decachlorobiphenyl	0.0713			mg/kg dry	0.0792		90.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0716			mg/kg dry	0.0792		90.5	60.9-138			
Matrix Spike Dup (B1G2202-MSD1)		Source: 1103159-01			Prepared: 07/22/11		Analyzed: 07/23/11				
Aroclor 1260	0.356	0.24	0.0069	mg/kg dry	0.393	<0.24	90.6	70-130	3.31	17.2	
Surrogate: Decachlorobiphenyl	0.0652			mg/kg dry	0.0785		83.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0691			mg/kg dry	0.0785		88.0	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1922 - General Preparation											
Duplicate (B1G1922-DUP1)											
	Source: 1103159-02					Prepared: 07/19/11	Analyzed: 07/20/11				
% Solids	78.0			%		77.0			1.29	20	
Duplicate (B1G1922-DUP2)											
	Source: 1103231-01					Prepared: 07/19/11	Analyzed: 07/20/11				
% Solids	86.0			%		86.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1505 - EPA 3545 ASE Extraction

Blank (B1G1505-BLK1)

Prepared & Analyzed: 07/15/11

4,4'-DDD	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDE	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDT	< 0.040	0.040	0.0020	mg/kg wet							
Aldrin	< 0.040	0.040	0.0021	mg/kg wet							
alpha-BHC	< 0.040	0.040	0.0020	mg/kg wet							
alpha-Chlordane	< 0.040	0.040	0.0020	mg/kg wet							
beta-BHC	< 0.040	0.040	0.0022	mg/kg wet							
delta-BHC	< 0.040	0.040	0.0020	mg/kg wet							
Dieldrin	< 0.040	0.040	0.0020	mg/kg wet							
Endosulfan I	< 0.040	0.040	0.0022	mg/kg wet							
Endosulfan II	< 0.040	0.040	0.0021	mg/kg wet							
Endosulfan sulfate	< 0.040	0.040	0.0021	mg/kg wet							
Endrin	< 0.040	0.040	0.0020	mg/kg wet							
Endrin aldehyde	< 0.040	0.040	0.0014	mg/kg wet							
Endrin ketone	< 0.040	0.040	0.0021	mg/kg wet							
gamma-BHC (Lindane)	< 0.040	0.040	0.0021	mg/kg wet							
gamma-Chlordane	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor epoxide	< 0.040	0.040	0.0020	mg/kg wet							
Methoxychlor	< 0.040	0.040	0.0021	mg/kg wet							
Toxaphene	< 0.080	0.080	0.016	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0713			mg/kg wet	0.0667		107	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0683			mg/kg wet	0.0667		102	65.2-135			

LCS (B1G1505-BS1)

Prepared & Analyzed: 07/15/11

4,4'-DDD	0.0853	0.040	0.0020	mg/kg wet	0.0833		102	70-130			
4,4'-DDE	0.0840	0.040	0.0020	mg/kg wet	0.0833		101	70-130			
4,4'-DDT	0.0877	0.040	0.0020	mg/kg wet	0.0833		105	70-130			
Aldrin	0.0830	0.040	0.0021	mg/kg wet	0.0833		99.6	70-130			
alpha-BHC	0.0837	0.040	0.0020	mg/kg wet	0.0833		100	70-130			
alpha-Chlordane	0.0833	0.040	0.0020	mg/kg wet	0.0833		100	70-130			
beta-BHC	0.0830	0.040	0.0022	mg/kg wet	0.0833		99.6	70-130			
delta-BHC	0.0850	0.040	0.0020	mg/kg wet	0.0833		102	70-130			
Dieldrin	0.0843	0.040	0.0020	mg/kg wet	0.0833		101	70-130			
Endosulfan I	0.0830	0.040	0.0022	mg/kg wet	0.0833		99.6	70-130			
Endosulfan II	0.0840	0.040	0.0021	mg/kg wet	0.0833		101	70-130			
Endosulfan sulfate	0.0847	0.040	0.0021	mg/kg wet	0.0833		102	70-130			
Endrin	0.0847	0.040	0.0020	mg/kg wet	0.0833		102	70-130			
Endrin aldehyde	0.108	0.040	0.0014	mg/kg wet	0.0833		130	70-130			
Endrin ketone	0.0853	0.040	0.0021	mg/kg wet	0.0833		102	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1505 - EPA 3545 ASE Extraction

LCS (B1G1505-BS1)

Prepared & Analyzed: 07/15/11

gamma-BHC (Lindane)	0.0837	0.040	0.0021	mg/kg wet	0.0833		100	70-130			
gamma-Chlordane	0.0833	0.040	0.0021	mg/kg wet	0.0833		100	70-130			
Heptachlor	0.0820	0.040	0.0021	mg/kg wet	0.0833		98.4	70-130			
Heptachlor epoxide	0.0833	0.040	0.0020	mg/kg wet	0.0833		100	70-130			
Methoxychlor	0.0837	0.040	0.0021	mg/kg wet	0.0833		100	70-130			
Surrogate: Decachlorobiphenyl	0.0733			mg/kg wet	0.0667		110	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0690			mg/kg wet	0.0667		104	65.2-135			

Matrix Spike (B1G1505-MS1)

Source: 1103143-03

Prepared & Analyzed: 07/15/11

4,4'-DDD	0.0987	0.043	0.0022	mg/kg dry	0.0907	<0.043	109	70-130			
4,4'-DDE	0.0965	0.043	0.0022	mg/kg dry	0.0907	<0.043	106	70-130			
4,4'-DDT	0.102	0.043	0.0022	mg/kg dry	0.0907	<0.043	113	70-130			
Aldrin	0.0936	0.043	0.0023	mg/kg dry	0.0907	<0.043	103	70-130			
alpha-BHC	0.0929	0.043	0.0022	mg/kg dry	0.0907	<0.043	102	70-130			
alpha-Chlordane	0.0954	0.043	0.0022	mg/kg dry	0.0907	<0.043	105	70-130			
beta-BHC	0.0936	0.043	0.0024	mg/kg dry	0.0907	<0.043	103	70-130			
delta-BHC	0.0892	0.043	0.0022	mg/kg dry	0.0907	<0.043	98.4	70-130			
Dieldrin	0.0961	0.043	0.0022	mg/kg dry	0.0907	<0.043	106	70-130			
Endosulfan I	0.0943	0.043	0.0024	mg/kg dry	0.0907	<0.043	104	70-130			
Endosulfan II	0.0965	0.043	0.0023	mg/kg dry	0.0907	<0.043	106	70-130			
Endosulfan sulfate	0.0972	0.043	0.0023	mg/kg dry	0.0907	<0.043	107	70-130			
Endrin	0.0965	0.043	0.0022	mg/kg dry	0.0907	<0.043	106	70-130			
Endrin aldehyde	0.112	0.043	0.0015	mg/kg dry	0.0907	<0.043	123	70-130			
Endrin ketone	0.0983	0.043	0.0023	mg/kg dry	0.0907	<0.043	108	70-130			
gamma-BHC (Lindane)	0.0936	0.043	0.0023	mg/kg dry	0.0907	<0.043	103	70-130			
gamma-Chlordane	0.0961	0.043	0.0023	mg/kg dry	0.0907	<0.043	106	70-130			
Heptachlor	0.0914	0.043	0.0023	mg/kg dry	0.0907	<0.043	101	70-130			
Heptachlor epoxide	0.0940	0.043	0.0022	mg/kg dry	0.0907	<0.043	104	70-130			
Methoxychlor	0.0969	0.043	0.0023	mg/kg dry	0.0907	<0.043	107	70-130			
Surrogate: Decachlorobiphenyl	0.0925			mg/kg dry	0.0726		128	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0871			mg/kg dry	0.0726		120	65.2-135			

Matrix Spike Dup (B1G1505-MSD1)

Source: 1103143-03

Prepared & Analyzed: 07/15/11

4,4'-DDD	0.0959	0.043	0.0022	mg/kg dry	0.0908	<0.043	106	70-130	2.85	17.3	
4,4'-DDE	0.0952	0.043	0.0022	mg/kg dry	0.0908	<0.043	105	70-130	1.38	18.9	
4,4'-DDT	0.0992	0.043	0.0022	mg/kg dry	0.0908	<0.043	109	70-130	3.11	37.6	
Aldrin	0.0926	0.043	0.0023	mg/kg dry	0.0908	<0.043	102	70-130	1.03	26.6	
alpha-BHC	0.0923	0.043	0.0022	mg/kg dry	0.0908	<0.043	102	70-130	0.649	27.3	
alpha-Chlordane	0.0941	0.043	0.0022	mg/kg dry	0.0908	<0.043	104	70-130	1.40	17.2	
beta-BHC	0.0926	0.043	0.0024	mg/kg dry	0.0908	<0.043	102	70-130	1.03	24.7	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1505 - EPA 3545 ASE Extraction											
Matrix Spike Dup (B1G1505-MSD1)			Source: 1103143-03			Prepared & Analyzed: 07/15/11					
delta-BHC	0.0905	0.043	0.0022	mg/kg dry	0.0908	<0.043	99.6	70-130	1.35	25.9	
Dieldrin	0.0944	0.043	0.0022	mg/kg dry	0.0908	<0.043	104	70-130	1.77	24.6	
Endosulfan I	0.0930	0.043	0.0024	mg/kg dry	0.0908	<0.043	102	70-130	1.42	18.2	
Endosulfan II	0.0941	0.043	0.0023	mg/kg dry	0.0908	<0.043	104	70-130	2.53	16.6	
Endosulfan sulfate	0.0941	0.043	0.0023	mg/kg dry	0.0908	<0.043	104	70-130	3.28	16.5	
Endrin	0.0948	0.043	0.0022	mg/kg dry	0.0908	<0.043	104	70-130	1.76	18.9	
Endrin aldehyde	0.105	0.043	0.0015	mg/kg dry	0.0908	<0.043	116	70-130	6.23	17.9	
Endrin ketone	0.0948	0.043	0.0023	mg/kg dry	0.0908	<0.043	104	70-130	3.62	15.7	
gamma-BHC (Lindane)	0.0930	0.043	0.0023	mg/kg dry	0.0908	<0.043	102	70-130	0.643	27	
gamma-Chlordane	0.0948	0.043	0.0023	mg/kg dry	0.0908	<0.043	104	70-130	1.39	20	
Heptachlor	0.0908	0.043	0.0023	mg/kg dry	0.0908	<0.043	100	70-130	0.662	20.3	
Heptachlor epoxide	0.0930	0.043	0.0022	mg/kg dry	0.0908	<0.043	102	70-130	1.03	26.2	
Methoxychlor	0.0930	0.043	0.0023	mg/kg dry	0.0908	<0.043	102	70-130	4.07	20.2	
Surrogate: Decachlorobiphenyl	0.0883			mg/kg dry	0.0727		122	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0872			mg/kg dry	0.0727		120	65.2-135			

Batch B1G2201 - EPA 3545 ASE Extraction

Blank (B1G2201-BLK1)

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDE	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDT	< 0.040	0.040	0.0020	mg/kg wet							
Aldrin	< 0.040	0.040	0.0021	mg/kg wet							
alpha-BHC	< 0.040	0.040	0.0020	mg/kg wet							
alpha-Chlordane	< 0.040	0.040	0.0020	mg/kg wet							
beta-BHC	< 0.040	0.040	0.0022	mg/kg wet							
delta-BHC	< 0.040	0.040	0.0020	mg/kg wet							
Dieldrin	< 0.040	0.040	0.0020	mg/kg wet							
Endosulfan I	< 0.040	0.040	0.0022	mg/kg wet							
Endosulfan II	< 0.040	0.040	0.0021	mg/kg wet							
Endosulfan sulfate	< 0.040	0.040	0.0021	mg/kg wet							
Endrin	< 0.040	0.040	0.0020	mg/kg wet							
Endrin aldehyde	< 0.040	0.040	0.0014	mg/kg wet							
Endrin ketone	< 0.040	0.040	0.0021	mg/kg wet							
gamma-BHC (Lindane)	< 0.040	0.040	0.0021	mg/kg wet							
gamma-Chlordane	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor epoxide	< 0.040	0.040	0.0020	mg/kg wet							
Methoxychlor	< 0.040	0.040	0.0021	mg/kg wet							
Toxaphene	< 0.080	0.080	0.016	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0703			mg/kg wet	0.0667		106	83.7-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2201 - EPA 3545 ASE Extraction

Blank (B1G2201-BLK1)

Prepared: 07/22/11 Analyzed: 07/23/11

<i>Surrogate: Tetrachloro-meta-xylene</i>	0.0633			mg/kg wet	0.0667		95.0	65.2-135			
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LCS (B1G2201-BS1)

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	0.0833	0.040	0.0020	mg/kg wet	0.0833		100	70-130			
4,4'-DDE	0.0847	0.040	0.0020	mg/kg wet	0.0833		102	70-130			
4,4'-DDT	0.0957	0.040	0.0020	mg/kg wet	0.0833		115	70-130			
Aldrin	0.0790	0.040	0.0021	mg/kg wet	0.0833		94.8	70-130			
alpha-BHC	0.0793	0.040	0.0020	mg/kg wet	0.0833		95.2	70-130			
alpha-Chlordane	0.0820	0.040	0.0020	mg/kg wet	0.0833		98.4	70-130			
beta-BHC	0.0810	0.040	0.0022	mg/kg wet	0.0833		97.2	70-130			
delta-BHC	0.0827	0.040	0.0020	mg/kg wet	0.0833		99.2	70-130			
Dieldrin	0.0830	0.040	0.0020	mg/kg wet	0.0833		99.6	70-130			
Endosulfan I	0.0810	0.040	0.0022	mg/kg wet	0.0833		97.2	70-130			
Endosulfan II	0.0827	0.040	0.0021	mg/kg wet	0.0833		99.2	70-130			
Endosulfan sulfate	0.0847	0.040	0.0021	mg/kg wet	0.0833		102	70-130			
Endrin	0.0853	0.040	0.0020	mg/kg wet	0.0833		102	70-130			
Endrin aldehyde	0.0717	0.040	0.0014	mg/kg wet	0.0833		86.0	70-130			
Endrin ketone	0.0867	0.040	0.0021	mg/kg wet	0.0833		104	70-130			
gamma-BHC (Lindane)	0.0807	0.040	0.0021	mg/kg wet	0.0833		96.8	70-130			
gamma-Chlordane	0.0827	0.040	0.0021	mg/kg wet	0.0833		99.2	70-130			
Heptachlor	0.0813	0.040	0.0021	mg/kg wet	0.0833		97.6	70-130			
Heptachlor epoxide	0.0817	0.040	0.0020	mg/kg wet	0.0833		98.0	70-130			
Methoxychlor	0.0907	0.040	0.0021	mg/kg wet	0.0833		109	70-130			
<i>Surrogate: Decachlorobiphenyl</i>	0.0753			mg/kg wet	0.0667		113	83.7-130			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.0677			mg/kg wet	0.0667		102	65.2-135			

Matrix Spike (B1G2201-MS1)

Source: 1103192-03

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	0.0953	0.043	0.0021	mg/kg dry	0.0899	<0.043	106	70-130			V7
4,4'-DDE	0.0971	0.043	0.0021	mg/kg dry	0.0899	<0.043	108	70-130			V7
4,4'-DDT	0.110	0.043	0.0021	mg/kg dry	0.0899	<0.043	122	70-130			V8
Aldrin	0.0903	0.043	0.0022	mg/kg dry	0.0899	<0.043	100	70-130			
alpha-BHC	0.0928	0.043	0.0021	mg/kg dry	0.0899	<0.043	103	70-130			
alpha-Chlordane	0.0913	0.043	0.0021	mg/kg dry	0.0899	<0.043	102	70-130			
beta-BHC	0.0928	0.043	0.0023	mg/kg dry	0.0899	<0.043	103	70-130			V7
delta-BHC	0.100	0.043	0.0021	mg/kg dry	0.0899	<0.043	112	70-130			V7
Dieldrin	0.0935	0.043	0.0021	mg/kg dry	0.0899	<0.043	104	70-130			
Endosulfan I	0.0885	0.043	0.0023	mg/kg dry	0.0899	<0.043	98.4	70-130			
Endosulfan II	0.0931	0.043	0.0022	mg/kg dry	0.0899	<0.043	104	70-130			
Endosulfan sulfate	0.0921	0.043	0.0022	mg/kg dry	0.0899	<0.043	102	70-130			
Endrin	0.101	0.043	0.0021	mg/kg dry	0.0899	<0.043	112	70-130			
Endrin aldehyde	0.0773	0.043	0.0015	mg/kg dry	0.0899	<0.043	86.0	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2201 - EPA 3545 ASE Extraction

Matrix Spike (B1G2201-MS1)

Source: 1103192-03

Prepared: 07/22/11

Analyzed: 07/23/11

Endrin ketone	0.0942	0.043	0.0022	mg/kg dry	0.0899	<0.043	105	70-130			
gamma-BHC (Lindane)	0.0939	0.043	0.0022	mg/kg dry	0.0899	<0.043	104	70-130			
gamma-Chlordane	0.0928	0.043	0.0022	mg/kg dry	0.0899	<0.043	103	70-130			
Heptachlor	0.0939	0.043	0.0022	mg/kg dry	0.0899	<0.043	104	70-130			
Heptachlor epoxide	0.0917	0.043	0.0021	mg/kg dry	0.0899	<0.043	102	70-130			
Methoxychlor	0.107	0.043	0.0022	mg/kg dry	0.0899	<0.043	119	70-130			V8
Surrogate: Decachlorobiphenyl	0.0806			mg/kg dry	0.0719		112	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0791			mg/kg dry	0.0719		110	65.2-135			

Matrix Spike Dup (B1G2201-MSD1)

Source: 1103192-03

Prepared: 07/22/11

Analyzed: 07/23/11

4,4'-DDD	0.104	0.043	0.0021	mg/kg dry	0.0895	<0.043	116	70-130	8.26	17.3	V7
4,4'-DDE	0.104	0.043	0.0021	mg/kg dry	0.0895	<0.043	116	70-130	7.08	18.9	V7
4,4'-DDT	0.119	0.043	0.0021	mg/kg dry	0.0895	<0.043	132	70-130	7.44	37.6	M1, V8
Aldrin	0.0942	0.043	0.0022	mg/kg dry	0.0895	<0.043	105	70-130	4.26	26.6	
alpha-BHC	0.0978	0.043	0.0021	mg/kg dry	0.0895	<0.043	109	70-130	5.25	27.3	
alpha-Chlordane	0.0978	0.043	0.0021	mg/kg dry	0.0895	<0.043	109	70-130	6.81	17.2	
beta-BHC	0.0992	0.043	0.0023	mg/kg dry	0.0895	<0.043	111	70-130	6.70	24.7	V7
delta-BHC	0.107	0.043	0.0021	mg/kg dry	0.0895	<0.043	119	70-130	6.18	25.9	V7
Dieldrin	0.0996	0.043	0.0021	mg/kg dry	0.0895	<0.043	111	70-130	6.29	24.6	
Endosulfan I	0.0942	0.043	0.0023	mg/kg dry	0.0895	<0.043	105	70-130	6.28	18.2	
Endosulfan II	0.0989	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	5.95	16.6	
Endosulfan sulfate	0.0981	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	6.39	16.5	
Endrin	0.108	0.043	0.0021	mg/kg dry	0.0895	<0.043	120	70-130	6.82	18.9	
Endrin aldehyde	0.0810	0.043	0.0015	mg/kg dry	0.0895	<0.043	90.4	70-130	4.58	17.9	
Endrin ketone	0.0999	0.043	0.0022	mg/kg dry	0.0895	<0.043	112	70-130	5.88	15.7	
gamma-BHC (Lindane)	0.0989	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	5.18	27	
gamma-Chlordane	0.0992	0.043	0.0022	mg/kg dry	0.0895	<0.043	111	70-130	6.70	20	
Heptachlor	0.0981	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	4.46	20.3	
Heptachlor epoxide	0.0974	0.043	0.0021	mg/kg dry	0.0895	<0.043	109	70-130	6.05	26.2	
Methoxychlor	0.113	0.043	0.0022	mg/kg dry	0.0895	<0.043	126	70-130	5.79	20.2	V8
Surrogate: Decachlorobiphenyl	0.0806			mg/kg dry	0.0716		112	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0817			mg/kg dry	0.0716		114	65.2-135			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1809 - EPA 3545 ASE Extraction

Blank (B1G1809-BLK1)

Prepared & Analyzed: 07/18/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1809 - EPA 3545 ASE Extraction

Blank (B1G1809-BLK1)

Prepared & Analyzed: 07/18/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.78			mg/kg wet	6.67		86.6	53-107			
Surrogate: 2-Fluorobiphenyl	5.53			mg/kg wet	6.67		83.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.44			mg/kg wet	6.67		66.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.77			mg/kg wet	6.67		86.5	48.9-100			
Surrogate: Phenol-d6	4.73			mg/kg wet	6.67		71.0	50.4-99.6			
Surrogate: Terphenyl-d14	5.58			mg/kg wet	6.67		83.7	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1809 - EPA 3545 ASE Extraction

LCS (B1G1809-BS1)

Prepared & Analyzed: 07/18/11

1,2,4-Trichlorobenzene	4.61	0.33	0.031	mg/kg wet	6.67		69.2	59.1-87.7		20	
1,4-Dichlorobenzene	3.83	0.33	0.029	mg/kg wet	6.67		57.4	50.3-72.9		20	
2,4-Dinitrotoluene	4.79	0.33	0.035	mg/kg wet	6.67		71.8	59.8-82.2		20	
2-Chlorophenol	4.66	0.67	0.060	mg/kg wet	6.67		69.8	59.7-77.3		20	
4-Chloro-3-methylphenol	5.10	0.67	0.066	mg/kg wet	6.67		76.5	63.6-80.4		20	
4-Nitrophenol	4.89	0.67	0.093	mg/kg wet	6.67		73.3	57.3-84.9		20	
Anthracene	5.26	0.33	0.036	mg/kg wet	6.67		78.9	67.3-88		20	
Benzo(a)anthracene	5.42	0.33	0.041	mg/kg wet	6.67		81.2	66.5-90.5		20	
Benzo(a)pyrene	5.45	0.33	0.042	mg/kg wet	6.67		81.7	66.1-89.7		20	
Chrysene	5.54	0.33	0.044	mg/kg wet	6.67		83.0	65.5-90.5		20	
Fluoranthene	5.12	0.33	0.039	mg/kg wet	6.67		76.8	66.7-89.9		20	
Fluorene	4.78	0.33	0.035	mg/kg wet	6.67		71.7	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.77	0.33	0.033	mg/kg wet	6.67		71.6	59.4-78		20	
Pentachlorophenol	5.13	0.67	0.078	mg/kg wet	6.67		76.9	46.7-83.2		20	
Phenanthrene	5.34	0.33	0.036	mg/kg wet	6.67		80.1	67.5-87.9		20	
Phenol	4.10	0.67	0.069	mg/kg wet	6.67		61.5	59.5-76.6		20	
<i>Surrogate: 2,4,6-Tribromophenol</i>	5.81			mg/kg wet	6.67		87.1	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	5.60			mg/kg wet	6.67		84.0	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	3.98			mg/kg wet	6.67		59.8	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	5.70			mg/kg wet	6.67		85.5	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.49			mg/kg wet	6.67		67.4	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	6.12			mg/kg wet	6.67		91.8	51-99.6			

Matrix Spike (B1G1809-MS1)

Source: 1103116-12

Prepared & Analyzed: 07/18/11

1,2,4-Trichlorobenzene	5.10	0.34	0.032	mg/kg dry	6.85	<0.34	74.4	44.8-97.9		19.6	
1,4-Dichlorobenzene	4.31	0.34	0.030	mg/kg dry	6.85	<0.34	63.0	42.3-77.9		22.4	
2,4-Dinitrotoluene	5.19	0.34	0.036	mg/kg dry	6.85	<0.34	75.8	57.3-86.6		19.5	
2-Chlorophenol	4.87	0.68	0.061	mg/kg dry	6.85	<0.68	71.2	43.3-93.2		23.7	
4-Chloro-3-methylphenol	5.37	0.68	0.067	mg/kg dry	6.85	<0.68	78.4	47.1-97.6		18.3	
4-Nitrophenol	4.85	0.68	0.095	mg/kg dry	6.85	<0.68	70.8	49.3-96.2		20.4	
Anthracene	5.71	0.34	0.037	mg/kg dry	6.85	<0.34	83.4	67.5-93.1		19.9	
Benzo(a)anthracene	5.87	0.34	0.042	mg/kg dry	6.85	<0.34	85.7	59.8-95.7		23.4	
Benzo(a)pyrene	5.90	0.34	0.043	mg/kg dry	6.85	<0.34	86.2	59.8-92.7		21.1	
Chrysene	6.05	0.34	0.045	mg/kg dry	6.85	<0.34	88.4	62.5-94.6		24.8	
Fluoranthene	5.53	0.34	0.040	mg/kg dry	6.85	<0.34	80.7	61.3-92.8		21.8	
Fluorene	5.29	0.34	0.036	mg/kg dry	6.85	<0.34	77.2	62.8-92.6		17.6	
N-Nitrosodi-n-propylamine	5.24	0.34	0.034	mg/kg dry	6.85	<0.34	76.6	46.9-89.9		18.9	
Pentachlorophenol	5.13	0.68	0.080	mg/kg dry	6.85	<0.68	75.0	40.1-95.1		19.7	
Phenanthrene	5.80	0.34	0.037	mg/kg dry	6.85	<0.34	84.7	65.2-92.2		20.5	
Phenol	4.22	0.68	0.070	mg/kg dry	6.85	<0.68	61.5	44.7-91		17.9	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1809 - EPA 3545 ASE Extraction

Matrix Spike (B1G1809-MS1)

Source: 1103116-12

Prepared & Analyzed: 07/18/11

Surrogate: 2,4,6-Tribromophenol	6.67			mg/kg dry	6.85		97.3	53-107			
Surrogate: 2-Fluorobiphenyl	6.23			mg/kg dry	6.85		90.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.63			mg/kg dry	6.85		67.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.46			mg/kg dry	6.85		94.3	48.9-100			
Surrogate: Phenol-d6	5.07			mg/kg dry	6.85		74.0	50.4-99.6			
Surrogate: Terphenyl-d14	6.73			mg/kg dry	6.85		98.2	51-99.6			

Matrix Spike Dup (B1G1809-MSD1)

Source: 1103116-12

Prepared & Analyzed: 07/18/11

1,2,4-Trichlorobenzene	5.11	0.34	0.032	mg/kg dry	6.83	<0.34	74.8	44.8-97.9	0.362	19.6	
1,4-Dichlorobenzene	4.44	0.34	0.030	mg/kg dry	6.83	<0.34	65.0	42.3-77.9	2.96	22.4	
2,4-Dinitrotoluene	5.28	0.34	0.036	mg/kg dry	6.83	<0.34	77.3	57.3-86.6	1.76	19.5	
2-Chlorophenol	5.02	0.68	0.061	mg/kg dry	6.83	<0.68	73.4	43.3-93.2	2.93	23.7	
4-Chloro-3-methylphenol	5.35	0.68	0.067	mg/kg dry	6.83	<0.68	78.3	47.1-97.6	0.329	18.3	
4-Nitrophenol	5.11	0.68	0.095	mg/kg dry	6.83	<0.68	74.7	49.3-96.2	5.29	20.4	
Anthracene	5.74	0.34	0.037	mg/kg dry	6.83	<0.34	84.0	67.5-93.1	0.439	19.9	
Benzo(a)anthracene	5.92	0.34	0.042	mg/kg dry	6.83	<0.34	86.7	59.8-95.7	0.898	23.4	
Benzo(a)pyrene	5.92	0.34	0.043	mg/kg dry	6.83	<0.34	86.6	59.8-92.7	0.260	21.1	
Chrysene	6.03	0.34	0.045	mg/kg dry	6.83	<0.34	88.2	62.5-94.6	0.321	24.8	
Fluoranthene	5.60	0.34	0.040	mg/kg dry	6.83	<0.34	82.0	61.3-92.8	1.31	21.8	
Fluorene	5.27	0.34	0.036	mg/kg dry	6.83	<0.34	77.1	62.8-92.6	0.288	17.6	
N-Nitrosodi-n-propylamine	5.31	0.34	0.034	mg/kg dry	6.83	<0.34	77.7	46.9-89.9	1.19	18.9	
Pentachlorophenol	5.25	0.68	0.080	mg/kg dry	6.83	<0.68	76.9	40.1-95.1	2.31	19.7	
Phenanthrene	5.82	0.34	0.037	mg/kg dry	6.83	<0.34	85.1	65.2-92.2	0.289	20.5	
Phenol	4.30	0.68	0.070	mg/kg dry	6.83	<0.68	62.9	44.7-91	1.89	17.9	
Surrogate: 2,4,6-Tribromophenol	6.54			mg/kg dry	6.83		95.7	53-107			
Surrogate: 2-Fluorobiphenyl	6.13			mg/kg dry	6.83		89.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.70			mg/kg dry	6.83		68.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.45			mg/kg dry	6.83		94.4	48.9-100			
Surrogate: Phenol-d6	5.12			mg/kg dry	6.83		74.9	50.4-99.6			
Surrogate: Terphenyl-d14	6.68			mg/kg dry	6.83		97.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103143 Date Reported: 07/29/11
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Notes and Definitions

- V8 Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- V7 Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 1103143

Project Number: 2319-1052.00 48PI 810

Project Name: UMore East - GOW East

Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 36498

COC 1 of 1

Project Manager: JME

Project OC Contact: AAN

Sampled by: KRS

Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Collection Time (hh:mm)	Number of Containers/Preservative													
						Water	Soil	Grab		OC	Water					Soil							
1. CAP-117	0.5	1.5	ft	07/13/2011	0800	X	X	X		VOCs (HCl) #1	SVOCS (unpreserved) #2	Dissolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)	
2. CAP-119	1.5	1.5			0830	X	X	X															
3. OP-115	1	1			0930	X	X	X															
4. OP-114	1	1			10:00	X	X	X															
5. OP-116	0.5	0.5			1630	X	X	X															
6. OP-117	0.5	0.5			1100	X	X	X															
7. OP-118	0.5	0.5			1130	X	X	X															
8. 228A-111	0.5	0.5			1245	X	X	X															
9.																							
10.																							

Requested By: Kurt Schimpke

Relinquished By: _____

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____

On Ice? N Y

Date: 7/14/11 0600

Time: _____

Received by: [Signature]

Date: 7/14/11 9:45

Time: _____

Air Bill Number: _____

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordination



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 27, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103144
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 07/14/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-E4-010	1103144-01	Water	07/13/11 09:28	07/14/11 09:45
MW-A6-006	1103144-02	Water	07/13/11 11:37	07/14/11 09:45
T00019	1103144-03	Water	07/13/11 14:22	07/14/11 09:45
T00006	1103144-04	Water	07/13/11 16:32	07/14/11 09:45
M-1	1103144-05	Water	07/13/11 00:00	07/14/11 09:45
Trip Blank	1103144-06	Water	07/11/11 00:00	07/14/11 09:45

Shipping Container Information

Default Cooler

Temperature (°C):

Received on ice: Yes
 Received on melt water: No
 Custody seals: No

Temperature blank was not present
 Ambient: No

Received on ice pack: No
 Acceptable (IH/ISO only): No

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: chloride, nitrate+nitrite as N, sulfate, and perchlorate.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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DISSOLVED METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-E4-010 (1103144-01) Water Sampled: 07/13/11 09:28 Received: 07/14/11 9:45										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Barium	0.086	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	95	1.0	0.030	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	33	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2604	07/26/11	07/26/11	EPA 7470A (Dissolved)	
Potassium	1.5	1.0	0.0016	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
Sodium	8.5	1.0	0.0053	mg/L	1	"	"	"	"	
MW-A6-006 (1103144-02) Water Sampled: 07/13/11 11:37 Received: 07/14/11 9:45										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Barium	0.071	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	85	1.0	0.030	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	29	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2604	07/26/11	07/26/11	EPA 7470A (Dissolved)	
Potassium	1.6	1.0	0.0016	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
Sodium	5.8	1.0	0.0053	mg/L	1	"	"	"	"	
T00019 (1103144-03) Water Sampled: 07/13/11 14:22 Received: 07/14/11 9:45										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Barium	0.053	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	100	1.0	0.030	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	34	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2604	07/26/11	07/26/11	EPA 7470A (Dissolved)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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DISSOLVED METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
T00019 (1103144-03) Water Sampled: 07/13/11 14:22 Received: 07/14/11 9:45										
Potassium	1.8	1.0	0.0016	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	"
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	"
Sodium	4.6	1.0	0.0053	mg/L	1	"	"	"	"	"
T00006 (1103144-04) Water Sampled: 07/13/11 16:32 Received: 07/14/11 9:45										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Barium	0.083	0.020	0.0012	mg/L	1	"	"	"	"	"
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	"
Calcium	91	1.0	0.030	mg/L	1	"	"	"	"	"
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	"
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	"
Magnesium	31	1.0	0.0021	mg/L	1	"	"	"	"	"
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2604	07/26/11	07/26/11	EPA 7470A (Dissolved)	
Potassium	1.5	1.0	0.0016	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	"
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	"
Sodium	4.1	1.0	0.0053	mg/L	1	"	"	"	"	"
M-1 (1103144-05) Water Sampled: 07/13/11 00:00 Received: 07/14/11 9:45										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Barium	0.053	0.020	0.0012	mg/L	1	"	"	"	"	"
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	"
Calcium	100	1.0	0.030	mg/L	1	"	"	"	"	"
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	"
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	"
Magnesium	34	1.0	0.0021	mg/L	1	"	"	"	"	"
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2604	07/26/11	07/26/11	EPA 7470A (Dissolved)	
Potassium	1.8	1.0	0.0016	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	"
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	"
Sodium	4.7	1.0	0.0053	mg/L	1	"	"	"	"	"

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103144
Date Reported: 07/27/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-E4-010 (1103144-01) Water Sampled: 07/13/11 09:28 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-E4-010 (1103144-01) Water Sampled: 07/13/11 09:28 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	93.2			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	89.0			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.4			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	91.3			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	54.9			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	99.0			30-116 %		"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103144
Date Reported: 07/27/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A6-006 (1103144-02) Water Sampled: 07/13/11 11:37 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A6-006 (1103144-02) Water Sampled: 07/13/11 11:37 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.9			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	82.0			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.6			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	83.1			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	51.6			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	94.5			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
T00019 (1103144-03) Water Sampled: 07/13/11 14:22 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
T00019 (1103144-03) Water Sampled: 07/13/11 14:22 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	85.0			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	84.8			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.4			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	85.7			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	56.2			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	97.4			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
T00006 (1103144-04) Water Sampled: 07/13/11 16:32 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
T00006 (1103144-04) Water Sampled: 07/13/11 16:32 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	86.2			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	86.3			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.9			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	88.3			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	53.3			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	95.1			30-116 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103144
 Date Reported: 07/27/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1103144-05) Water Sampled: 07/13/11 00:00 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1103144-05) Water Sampled: 07/13/11 00:00 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.9			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	85.3			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.5			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	87.0			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	59.3			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	97.6			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-E4-010 (1103144-01) Water Sampled: 07/13/11 09:28 Received: 07/14/11 9:45										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-E4-010 (1103144-01) Water Sampled: 07/13/11 09:28 Received: 07/14/11 9:45										
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.7			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	105			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	100			80-120 %		"	"	"	"	

MW-A6-006 (1103144-02) Water Sampled: 07/13/11 11:37 Received: 07/14/11 9:45										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A6-006 (1103144-02) Water Sampled: 07/13/11 11:37 Received: 07/14/11 9:45										
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A6-006 (1103144-02) Water Sampled: 07/13/11 11:37 Received: 07/14/11 9:45										
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	0.37	1.0	0.28	ug/L	1	"	"	"	"	J
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.6			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	104			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	98.6			80-120 %		"	"	"	"	

T00019 (1103144-03) Water Sampled: 07/13/11 14:22 Received: 07/14/11 9:45										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
T00019 (1103144-03) Water Sampled: 07/13/11 14:22 Received: 07/14/11 9:45										
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	0.24	1.0	0.15	ug/L	1	"	"	"	"	J
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	4.0	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
T00019 (1103144-03) Water Sampled: 07/13/11 14:22 Received: 07/14/11 9:45										
Methylene chloride	<0.85	5.0	0.85	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	0.43	1.0	0.18	ug/L	1	"	"	"	"	J
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	101			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	99.3			80-120 %		"	"	"	"	

T00006 (1103144-04) Water Sampled: 07/13/11 16:32 Received: 07/14/11 9:45										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
T00006 (1103144-04) Water Sampled: 07/13/11 16:32 Received: 07/14/11 9:45										
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	0.24	1.0	0.15	ug/L	1	"	"	"	"	J
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
T00006 (1103144-04) Water Sampled: 07/13/11 16:32 Received: 07/14/11 9:45										
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	105			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	102			80-120 %		"	"	"	"	

M-1 (1103144-05) Water Sampled: 07/13/11 00:00 Received: 07/14/11 9:45										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1103144-05) Water Sampled: 07/13/11 00:00 Received: 07/14/11 9:45										
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	0.25	1.0	0.15	ug/L	1	"	"	"	"	J
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	4.2	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1103144-05) Water Sampled: 07/13/11 00:00 Received: 07/14/11 9:45										
trans-1,2-Dichloroethane	<0.056	1.0	0.056	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	0.41	1.0	0.18	ug/L	1	"	"	"	"	J
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	102			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	99.8			80-120 %		"	"	"	"	

Trip Blank (1103144-06) Water Sampled: 07/11/11 00:00 Received: 07/14/11 9:45										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1103144-06) Water Sampled: 07/11/11 00:00 Received: 07/14/11 9:45										
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	B1G1401	07/14/11	07/14/11	EPA 8260B	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	1.8	5.0	0.85	ug/L	1	"	"	"	"	J
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.9				80-121 %	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1103144-06) Water Sampled: 07/11/11 00:00 Received: 07/14/11 9:45										
Surrogate: Dibromofluoromethane	102			79.9-121 %		B1G1401	07/14/11	07/14/11	EPA 8260B	
Surrogate: Toluene-d8	99.0			80-120 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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WET CHEMISTRY
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-E4-010 (1103144-01) Water Sampled: 07/13/11 09:28 Received: 07/14/11 9:45										
Total Alkalinity as CaCO(3)	240	20	5.3	mg/L	1	B1G2106	07/21/11	07/26/11	SM 2320 B-97	
MW-A6-006 (1103144-02) Water Sampled: 07/13/11 11:37 Received: 07/14/11 9:45										
Total Alkalinity as CaCO(3)	250	20	5.3	mg/L	1	B1G2106	07/21/11	07/26/11	SM 2320 B-97	
T00019 (1103144-03) Water Sampled: 07/13/11 14:22 Received: 07/14/11 9:45										
Total Alkalinity as CaCO(3)	310	20	5.3	mg/L	1	B1G2106	07/21/11	07/26/11	SM 2320 B-97	
T00006 (1103144-04) Water Sampled: 07/13/11 16:32 Received: 07/14/11 9:45										
Total Alkalinity as CaCO(3)	310	20	5.3	mg/L	1	B1G2106	07/21/11	07/26/11	SM 2320 B-97	
M-1 (1103144-05) Water Sampled: 07/13/11 00:00 Received: 07/14/11 9:45										
Total Alkalinity as CaCO(3)	310	20	5.3	mg/L	1	B1G2106	07/21/11	07/26/11	SM 2320 B-97	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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ANIONS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-E4-010 (1103144-01) Water Sampled: 07/13/11 09:28 Received: 07/14/11 9:45										
Chloride	24	2.0	0.058	mg/L	20	B1G1404	07/14/11	07/15/11	EPA 9056A	
Nitrate + Nitrite as N	22	0.48	0.093	mg/L	5	[CALC]	"	"	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1G2204	07/22/11	07/26/11	EPA 9056A(M)	
Sulfate as SO(4)	26	2.0	0.48	mg/L	20	B1G1404	07/14/11	07/15/11	EPA 9056A	
MW-A6-006 (1103144-02) Water Sampled: 07/13/11 11:37 Received: 07/14/11 9:45										
Chloride	14	1.0	0.029	mg/L	10	B1G1404	07/14/11	07/15/11	EPA 9056A	
Nitrate + Nitrite as N	9.8	0.26	0.047	mg/L	2	[CALC]	"	"	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1G2204	07/22/11	07/26/11	EPA 9056A(M)	
Sulfate as SO(4)	30	1.0	0.24	mg/L	10	B1G1404	07/14/11	07/15/11	EPA 9056A	
T00019 (1103144-03) Water Sampled: 07/13/11 14:22 Received: 07/14/11 9:45										
Chloride	16	1.0	0.029	mg/L	10	B1G1404	07/14/11	07/15/11	EPA 9056A	
Nitrate + Nitrite as N	11	0.26	0.047	mg/L	2	[CALC]	"	"	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1G2204	07/22/11	07/26/11	EPA 9056A(M)	
Sulfate as SO(4)	24	1.0	0.24	mg/L	10	B1G1404	07/14/11	07/15/11	EPA 9056A	
T00006 (1103144-04) Water Sampled: 07/13/11 16:32 Received: 07/14/11 9:45										
Chloride	6.8	0.10	0.0029	mg/L	1	B1G1404	07/14/11	07/14/11	EPA 9056A	
Nitrate + Nitrite as N	4.7	0.26	0.047	mg/L	2	[CALC]	"	07/15/11	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1G2204	07/22/11	07/26/11	EPA 9056A(M)	
Sulfate as SO(4)	24	1.0	0.24	mg/L	10	B1G1404	07/14/11	07/15/11	EPA 9056A	
M-1 (1103144-05) Water Sampled: 07/13/11 00:00 Received: 07/14/11 9:45										
Chloride	16	1.0	0.029	mg/L	10	B1G1404	07/14/11	07/15/11	EPA 9056A	
Nitrate + Nitrite as N	10	0.26	0.047	mg/L	2	[CALC]	"	"	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1G2204	07/22/11	07/26/11	EPA 9056A(M)	
Sulfate as SO(4)	23	1.0	0.24	mg/L	10	B1G1404	07/14/11	07/15/11	EPA 9056A	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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DISSOLVED METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2103 - EPA 200.7/3005A Digestion

Blank (B1G2103-BLK1)

Prepared & Analyzed: 07/21/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Calcium	< 1.0	1.0	0.030	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Magnesium	< 1.0	1.0	0.0021	mg/L							
Potassium	< 1.0	1.0	0.0016	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							
Sodium	< 1.0	1.0	0.0053	mg/L							

LCS (B1G2103-BS1)

Prepared & Analyzed: 07/21/11

Arsenic	0.412	0.010	0.0011	mg/L	0.399		103	80-120			
Barium	0.422	0.020	0.0012	mg/L	0.399		106	80-120			
Cadmium	0.412	0.0010	0.00013	mg/L	0.399		103	80-120			
Calcium	4.23	1.0	0.030	mg/L	3.99		106	80-120			
Chromium	0.422	0.010	0.00024	mg/L	0.399		106	80-120			
Lead	0.436	0.0030	0.00042	mg/L	0.399		109	80-120			
Magnesium	4.15	1.0	0.0021	mg/L	3.99		104	80-120			
Potassium	1.86	1.0	0.0016	mg/L	2.00		93.2	80-120			
Selenium	0.411	0.020	0.0019	mg/L	0.399		103	80-120			
Silver	0.0414	0.0050	0.00031	mg/L	0.0399		104	80-120			
Sodium	3.72	1.0	0.0053	mg/L	3.99		93.2	80-120			

LCS Dup (B1G2103-BSD1)

Prepared & Analyzed: 07/21/11

Arsenic	0.414	0.010	0.0011	mg/L	0.399		104	80-120	0.630	20	
Barium	0.424	0.020	0.0012	mg/L	0.399		106	80-120	0.562	20	
Cadmium	0.412	0.0010	0.00013	mg/L	0.399		103	80-120	0.0907	20	
Calcium	4.24	1.0	0.030	mg/L	3.99		106	80-120	0.261	20	
Chromium	0.424	0.010	0.00024	mg/L	0.399		106	80-120	0.340	20	
Lead	0.438	0.0030	0.00042	mg/L	0.399		110	80-120	0.465	20	
Magnesium	4.16	1.0	0.0021	mg/L	3.99		104	80-120	0.125	20	
Potassium	1.88	1.0	0.0016	mg/L	2.00		93.7	80-120	0.617	20	
Selenium	0.411	0.020	0.0019	mg/L	0.399		103	80-120	0.0830	20	
Silver	0.0416	0.0050	0.00031	mg/L	0.0399		104	80-120	0.516	20	
Sodium	3.73	1.0	0.0053	mg/L	3.99		93.4	80-120	0.195	20	

Matrix Spike (B1G2103-MS1)

Source: 1103116-02

Prepared & Analyzed: 07/21/11

Arsenic	0.405	0.010	0.0011	mg/L	0.399	<0.010	101	75-125			
Barium	0.414	0.020	0.0012	mg/L	0.399	<0.020	103	75-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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DISSOLVED METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2103 - EPA 200.7/3005A Digestion

Matrix Spike (B1G2103-MS1)

Source: 1103116-02

Prepared & Analyzed: 07/21/11

Cadmium	0.400	0.0010	0.00013	mg/L	0.399	<0.0010	100	75-125			
Calcium	4.19	1.0	0.030	mg/L	3.99	<1.0	104	75-125			
Chromium	0.413	0.010	0.00024	mg/L	0.399	<0.010	104	75-125			
Lead	0.427	0.0030	0.00042	mg/L	0.399	<0.0030	107	75-125			
Magnesium	4.07	1.0	0.0021	mg/L	3.99	<1.0	102	75-125			
Potassium	1.84	1.0	0.0016	mg/L	2.00	<1.0	89.9	75-125			
Selenium	0.403	0.020	0.0019	mg/L	0.399	<0.020	101	75-125			
Silver	0.0402	0.0050	0.00031	mg/L	0.0399	<0.0050	101	75-125			
Sodium	3.64	1.0	0.0053	mg/L	3.99	<1.0	91.1	75-125			

Matrix Spike Dup (B1G2103-MSD1)

Source: 1103116-02

Prepared & Analyzed: 07/21/11

Arsenic	0.417	0.010	0.0011	mg/L	0.399	<0.010	104	75-125	2.89	20	
Barium	0.428	0.020	0.0012	mg/L	0.399	<0.020	106	75-125	3.18	20	
Cadmium	0.415	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125	3.58	20	
Calcium	4.33	1.0	0.030	mg/L	3.99	<1.0	108	75-125	3.24	20	
Chromium	0.427	0.010	0.00024	mg/L	0.399	<0.010	107	75-125	3.22	20	
Lead	0.440	0.0030	0.00042	mg/L	0.399	<0.0030	110	75-125	3.10	20	
Magnesium	4.17	1.0	0.0021	mg/L	3.99	<1.0	104	75-125	2.54	20	
Potassium	1.89	1.0	0.0016	mg/L	2.00	<1.0	92.5	75-125	2.81	20	
Selenium	0.418	0.020	0.0019	mg/L	0.399	<0.020	105	75-125	3.58	20	
Silver	0.0412	0.0050	0.00031	mg/L	0.0399	<0.0050	103	75-125	2.48	20	
Sodium	3.70	1.0	0.0053	mg/L	3.99	<1.0	92.5	75-125	1.53	20	

Batch B1G2604 - EPA 245.1/7470A Digestion

Blank (B1G2604-BLK1)

Prepared & Analyzed: 07/26/11

Mercury	< 0.00020	0.00020	0.000037	mg/L							
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LCS (B1G2604-BS1)

Prepared & Analyzed: 07/26/11

Mercury	0.00211	0.00020	0.000037	mg/L	0.00200		106	80-120			
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LCS Dup (B1G2604-BSD1)

Prepared & Analyzed: 07/26/11

Mercury	0.00213	0.00020	0.000037	mg/L	0.00200		106	80-120	0.943	20	
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Matrix Spike (B1G2604-MS1)

Source: 1103117-01

Prepared & Analyzed: 07/26/11

Mercury	0.00217	0.00020	0.000037	mg/L	0.00200	<0.00020	108	75-125			
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Matrix Spike Dup (B1G2604-MSD1)

Source: 1103117-01

Prepared & Analyzed: 07/26/11

Mercury	0.00218	0.00020	0.000037	mg/L	0.00200	<0.00020	109	75-125	0.460	20	
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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Blank (B1G1902-BLK1)

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Blank (B1G1902-BLK1)

Prepared & Analyzed: 07/19/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	79.2			ug/L	100		79.2	30-122			
Surrogate: 2-Fluorobiphenyl	77.6			ug/L	100		77.6	39.2-104			
Surrogate: 2-Fluorophenol	66.0			ug/L	100		66.0	30-80.1			
Surrogate: Nitrobenzene-d5	76.8			ug/L	100		76.8	51.2-103			
Surrogate: Phenol-d6	58.8			ug/L	100		58.8	30-75.3			
Surrogate: Terphenyl-d14	90.4			ug/L	100		90.4	30-116			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103144
 Date Reported: 07/27/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

LCS (B1G1902-BS1)

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	65.6	10	0.30	ug/L	100	65.6	47.4-88.7				
1,4-Dichlorobenzene	62.8	10	0.29	ug/L	100	62.8	39.5-81				
2,4-Dinitrotoluene	83.1	10	0.45	ug/L	100	83.1	67.2-99.3				
2-Chlorophenol	76.1	10	0.39	ug/L	100	76.1	56.5-85.9				
4-Chloro-3-methylphenol	81.5	10	0.48	ug/L	100	81.5	62.1-98.2				
4-Nitrophenol	78.5	10	0.78	ug/L	100	78.5	40.5-98.5				
Anthracene	91.0	10	0.56	ug/L	100	91.0	70.6-95.3				
Benzo(a)anthracene	87.2	10	0.50	ug/L	100	87.2	73.7-96.6				
Benzo(a)pyrene	89.3	10	0.41	ug/L	100	89.3	70.9-92.6				
Chrysene	89.9	10	0.61	ug/L	100	89.9	71.8-97.5				
Fluoranthene	91.1	10	0.61	ug/L	100	91.1	73.6-96.8				
Fluorene	88.2	10	0.52	ug/L	100	88.2	69.3-93.3				
N-Nitrosodi-n-propylamine	79.8	10	0.25	ug/L	100	79.8	65.9-89.3				
Pentachlorophenol	70.0	10	0.90	ug/L	100	70.0	55-107				
Phenanthrene	91.9	10	0.35	ug/L	100	91.9	72.5-97.6				
Phenol	58.5	10	0.41	ug/L	100	58.5	34.1-71.6				
Surrogate: 2,4,6-Tribromophenol	82.5			ug/L	100	82.5	30-122				
Surrogate: 2-Fluorobiphenyl	83.6			ug/L	100	83.6	39.2-104				
Surrogate: 2-Fluorophenol	66.0			ug/L	100	66.0	30-80.1				
Surrogate: Nitrobenzene-d5	79.6			ug/L	100	79.6	51.2-103				
Surrogate: Phenol-d6	60.5			ug/L	100	60.5	30-75.3				
Surrogate: Terphenyl-d14	77.8			ug/L	100	77.8	30-116				

Matrix Spike (B1G1902-MS1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	68.6	9.3	0.28	ug/L	93.5	<9.3	73.4	39.2-90.6			
1,4-Dichlorobenzene	64.9	9.3	0.27	ug/L	93.5	<9.3	69.5	34.1-81.6			
2,4-Dinitrotoluene	83.1	9.3	0.42	ug/L	93.5	<9.3	88.9	41.1-110			
2-Chlorophenol	75.3	9.3	0.36	ug/L	93.5	<9.3	80.6	30-96.4			
4-Chloro-3-methylphenol	82.3	9.3	0.45	ug/L	93.5	<9.3	88.1	30-113			
4-Nitrophenol	78.3	9.3	0.73	ug/L	93.5	<9.3	83.8	30-112			
Anthracene	89.0	9.3	0.52	ug/L	93.5	<9.3	95.2	30-119			
Benzo(a)anthracene	88.4	9.3	0.47	ug/L	93.5	<9.3	94.6	30-122			
Benzo(a)pyrene	90.2	9.3	0.38	ug/L	93.5	<9.3	96.6	30-118			
Chrysene	89.4	9.3	0.57	ug/L	93.5	<9.3	95.6	30-125			
Fluoranthene	90.8	9.3	0.57	ug/L	93.5	<9.3	97.2	31.6-119			
Fluorene	87.6	9.3	0.49	ug/L	93.5	<9.3	93.8	40.8-107			
N-Nitrosodi-n-propylamine	79.2	9.3	0.23	ug/L	93.5	<9.3	84.8	47.2-94.8			
Pentachlorophenol	71.8	9.3	0.84	ug/L	93.5	<9.3	76.8	30-130			
Phenanthrene	90.1	9.3	0.33	ug/L	93.5	<9.3	96.4	38.2-117			
Phenol	55.2	9.3	0.38	ug/L	93.5	<9.3	59.0	30-80			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Matrix Spike (B1G1902-MS1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

Surrogate: 2,4,6-Tribromophenol	84.9			ug/L	93.5		90.8	30-122			
Surrogate: 2-Fluorobiphenyl	82.8			ug/L	93.5		88.6	39.2-104			
Surrogate: 2-Fluorophenol	65.3			ug/L	93.5		69.9	30-80.1			
Surrogate: Nitrobenzene-d5	82.0			ug/L	93.5		87.8	51.2-103			
Surrogate: Phenol-d6	56.7			ug/L	93.5		60.7	30-75.3			
Surrogate: Terphenyl-d14	78.1			ug/L	93.5		83.6	30-116			

Matrix Spike Dup (B1G1902-MSD1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	58.2	9.3	0.28	ug/L	93.5	<9.3	62.3	39.2-90.6	16.4	23.6	
1,4-Dichlorobenzene	55.5	9.3	0.27	ug/L	93.5	<9.3	59.3	34.1-81.6	15.7	22.4	
2,4-Dinitrotoluene	73.0	9.3	0.42	ug/L	93.5	<9.3	78.2	41.1-110	12.8	17.2	
2-Chlorophenol	65.9	9.3	0.36	ug/L	93.5	<9.3	70.5	30-96.4	13.3	23.7	
4-Chloro-3-methylphenol	71.3	9.3	0.45	ug/L	93.5	<9.3	76.3	30-113	14.3	24.1	
4-Nitrophenol	70.3	9.3	0.73	ug/L	93.5	<9.3	75.2	30-112	10.8	34.3	
Anthracene	76.7	9.3	0.52	ug/L	93.5	<9.3	82.1	30-119	14.8	24.5	
Benzo(a)anthracene	78.3	9.3	0.47	ug/L	93.5	<9.3	83.8	30-122	12.1	27.8	
Benzo(a)pyrene	79.5	9.3	0.38	ug/L	93.5	<9.3	85.0	30-118	12.7	27.1	
Chrysene	79.6	9.3	0.57	ug/L	93.5	<9.3	85.2	30-125	11.6	28	
Fluoranthene	77.5	9.3	0.57	ug/L	93.5	<9.3	82.9	31.6-119	15.8	25.9	
Fluorene	75.4	9.3	0.49	ug/L	93.5	<9.3	80.7	40.8-107	15.0	20.6	
N-Nitrosodi-n-propylamine	68.8	9.3	0.23	ug/L	93.5	<9.3	73.6	47.2-94.8	14.1	15.8	
Pentachlorophenol	59.6	9.3	0.84	ug/L	93.5	<9.3	63.7	30-130	18.6	25.5	
Phenanthrene	78.3	9.3	0.33	ug/L	93.5	<9.3	83.8	38.2-117	13.9	19.3	
Phenol	50.6	9.3	0.38	ug/L	93.5	<9.3	54.1	30-80	8.66	31.9	
Surrogate: 2,4,6-Tribromophenol	72.7			ug/L	93.5		77.8	30-122			
Surrogate: 2-Fluorobiphenyl	71.1			ug/L	93.5		76.0	39.2-104			
Surrogate: 2-Fluorophenol	59.8			ug/L	93.5		64.0	30-80.1			
Surrogate: Nitrobenzene-d5	70.3			ug/L	93.5		75.2	51.2-103			
Surrogate: Phenol-d6	52.8			ug/L	93.5		56.5	30-75.3			
Surrogate: Terphenyl-d14	72.5			ug/L	93.5		77.6	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1401 - EPA 5030 Water (Purge and Trap)

Blank (B1G1401-BLK1)

Prepared & Analyzed: 07/14/11

1,1,1,2-Tetrachloroethane	< 0.29	1.0	0.29	ug/L							
1,1,1-Trichloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2,2-Tetrachloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2-Trichloroethane	< 0.19	1.0	0.19	ug/L							
1,1,2-Trichlorotrifluoroethane	< 0.25	1.0	0.25	ug/L							
1,1-Dichloroethane	< 0.15	1.0	0.15	ug/L							
1,1-Dichloroethene	< 0.24	1.0	0.24	ug/L							
1,1-Dichloropropene	< 0.14	1.0	0.14	ug/L							
1,2,3-Trichlorobenzene	< 0.35	5.0	0.35	ug/L							
1,2,3-Trichloropropane	< 0.22	2.5	0.22	ug/L							
1,2,4-Trichlorobenzene	< 0.30	5.0	0.30	ug/L							
1,2,4-Trimethylbenzene	< 0.072	1.0	0.072	ug/L							
1,2-Dibromo-3-chloropropane	< 0.40	5.0	0.40	ug/L							
1,2-Dibromoethane (EDB)	< 0.15	2.5	0.15	ug/L							
1,2-Dichlorobenzene	< 0.12	1.0	0.12	ug/L							
1,2-Dichloroethane	< 0.26	1.0	0.26	ug/L							
1,2-Dichloropropane	< 0.19	1.0	0.19	ug/L							
1,3,5-Trimethylbenzene	< 0.11	1.0	0.11	ug/L							
1,3-Dichlorobenzene	< 0.15	1.0	0.15	ug/L							
1,3-Dichloropropane	< 0.16	1.0	0.16	ug/L							
1,4-Dichlorobenzene	< 0.081	1.0	0.081	ug/L							
2,2-Dichloropropane	< 0.66	5.0	0.66	ug/L							
2-Butanone	< 0.65	20	0.65	ug/L							
2-Chlorotoluene	< 0.081	1.0	0.081	ug/L							
4-Chlorotoluene	< 0.11	1.0	0.11	ug/L							
Acetone	< 3.8	20	3.8	ug/L							
Allyl chloride	< 0.51	5.0	0.51	ug/L							
Benzene	< 0.071	1.0	0.071	ug/L							
Bromobenzene	< 0.082	1.0	0.082	ug/L							
Bromochloromethane	< 0.20	1.0	0.20	ug/L							
Bromodichloromethane	< 0.23	1.0	0.23	ug/L							
Bromoform	< 0.26	5.0	0.26	ug/L							
Bromomethane	< 0.32	5.0	0.32	ug/L							
Carbon tetrachloride	< 0.15	1.0	0.15	ug/L							
Chlorobenzene	< 0.20	1.0	0.20	ug/L							
Chloroethane	< 0.27	2.5	0.27	ug/L							
Chloroform	< 0.15	1.0	0.15	ug/L							
Chloromethane	< 0.24	2.5	0.24	ug/L							
cis-1,2-Dichloroethene	< 0.12	1.0	0.12	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1401 - EPA 5030 Water (Purge and Trap)

Blank (B1G1401-BLK1)

Prepared & Analyzed: 07/14/11

cis-1,3-Dichloropropene	< 0.18	1.0	0.18	ug/L							
Dibromochloromethane	< 0.26	2.5	0.26	ug/L							
Dibromomethane	< 0.24	2.5	0.24	ug/L							
Dichlorodifluoromethane	< 0.25	5.0	0.25	ug/L							
Dichlorofluoromethane	< 0.21	1.0	0.21	ug/L							
Ethyl ether	< 0.27	5.0	0.27	ug/L							
Ethylbenzene	< 0.28	1.0	0.28	ug/L							
Hexachlorobutadiene	< 0.42	10	0.42	ug/L							
Isopropylbenzene	< 0.12	1.0	0.12	ug/L							
m,p-Xylene	< 0.57	2.0	0.57	ug/L							
Methyl isobutyl ketone	< 0.40	5.0	0.40	ug/L							
Methyl tert-butyl ether	< 0.16	1.0	0.16	ug/L							
Methylene chloride	< 0.85	5.0	0.85	ug/L							
Naphthalene	< 0.30	5.0	0.30	ug/L							
n-Butylbenzene	< 0.15	2.5	0.15	ug/L							
n-Propylbenzene	< 0.094	1.0	0.094	ug/L							
o-Xylene	< 0.19	1.0	0.19	ug/L							
p-Isopropyltoluene	< 0.14	2.5	0.14	ug/L							
sec-Butylbenzene	< 0.11	1.0	0.11	ug/L							
Styrene	< 0.21	1.0	0.21	ug/L							
tert-Butylbenzene	< 0.091	1.0	0.091	ug/L							
Tetrachloroethene	< 0.28	1.0	0.28	ug/L							
Tetrahydrofuran	< 0.75	20	0.75	ug/L							
Toluene	< 0.10	1.0	0.10	ug/L							
trans-1,2-Dichloroethene	< 0.056	1.0	0.056	ug/L							
trans-1,3-Dichloropropene	< 0.14	1.0	0.14	ug/L							
Trichloroethene	< 0.18	1.0	0.18	ug/L							
Trichlorofluoromethane	< 0.29	1.0	0.29	ug/L							
Vinyl chloride	< 0.21	1.0	0.21	ug/L							
Surrogate: 4-Bromofluorobenzene	48.4			ug/L	50.0		96.9	80-121			
Surrogate: Dibromofluoromethane	51.8			ug/L	50.0		104	79.9-121			
Surrogate: Toluene-d8	49.6			ug/L	50.0		99.2	80-120			

LCS (B1G1401-BS1)

Prepared & Analyzed: 07/14/11

1,1,2,2-Tetrachloroethane	50.1	1.0	0.16	ug/L	50.0		100	80-121			
1,1-Dichloroethane	50.5	1.0	0.15	ug/L	50.0		101	80-125			
1,1-Dichloroethene	42.2	1.0	0.24	ug/L	50.0		84.3	80-125			
1,3,5-Trimethylbenzene	51.9	1.0	0.11	ug/L	50.0		104	75.4-125			
1,4-Dichlorobenzene	52.6	1.0	0.081	ug/L	50.0		105	75-125			
2-Chlorotoluene	50.5	1.0	0.081	ug/L	50.0		101	75.4-125			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103144
 Date Reported: 07/27/11

VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1401 - EPA 5030 Water (Purge and Trap)

LCS (B1G1401-BS1)

Prepared & Analyzed: 07/14/11

Benzene	52.0	1.0	0.071	ug/L	50.0		104	80-120			
Bromoform	53.4	5.0	0.26	ug/L	50.0		107	80-120			
Chlorobenzene	52.3	1.0	0.20	ug/L	50.0		105	80-120			
Chloroform	50.8	1.0	0.15	ug/L	50.0		102	80-123			
Ethylbenzene	52.3	1.0	0.28	ug/L	50.0		105	80-120			
n-Butylbenzene	61.4	2.5	0.15	ug/L	50.0		123	75-125			
n-Propylbenzene	53.2	1.0	0.094	ug/L	50.0		106	75.8-125			
Toluene	53.3	1.0	0.10	ug/L	50.0		107	80-120			
Trichloroethene	52.2	1.0	0.18	ug/L	50.0		104	80-120			
Vinyl chloride	50.1	1.0	0.21	ug/L	50.0		100	75-130			
Surrogate: 4-Bromofluorobenzene	53.5			ug/L	50.0		107	80-121			
Surrogate: Dibromofluoromethane	50.7			ug/L	50.0		101	79.9-121			
Surrogate: Toluene-d8	51.3			ug/L	50.0		103	80-120			

Matrix Spike (B1G1401-MS1)

Source: 1103117-01

Prepared & Analyzed: 07/14/11

1,1,2,2-Tetrachloroethane	51.9	1.0	0.16	ug/L	50.0	<1.0	104	76.8-125			
1,1-Dichloroethane	51.1	1.0	0.15	ug/L	50.0	<1.0	102	80-125			
1,1-Dichloroethene	41.8	1.0	0.24	ug/L	50.0	<1.0	83.6	80-125			
1,3,5-Trimethylbenzene	52.2	1.0	0.11	ug/L	50.0	<1.0	104	75-125			
1,4-Dichlorobenzene	52.8	1.0	0.081	ug/L	50.0	<1.0	106	75-125			
2-Chlorotoluene	50.5	1.0	0.081	ug/L	50.0	<1.0	101	75-125			
Benzene	50.7	1.0	0.071	ug/L	50.0	<1.0	101	80-120			
Bromoform	53.7	5.0	0.26	ug/L	50.0	<5.0	107	80-120			
Chlorobenzene	52.4	1.0	0.20	ug/L	50.0	<1.0	105	80-120			
Chloroform	52.2	1.0	0.15	ug/L	50.0	1.22	102	79.8-125			
Ethylbenzene	52.1	1.0	0.28	ug/L	50.0	<1.0	104	80-120			
n-Butylbenzene	61.8	2.5	0.15	ug/L	50.0	<2.5	124	75-130			
n-Propylbenzene	52.6	1.0	0.094	ug/L	50.0	<1.0	105	75-125			
Toluene	52.8	1.0	0.10	ug/L	50.0	<1.0	106	80-120			
Trichloroethene	50.0	1.0	0.18	ug/L	50.0	<1.0	99.9	80-120			
Vinyl chloride	50.2	1.0	0.21	ug/L	50.0	<1.0	100	75-130			
Surrogate: 4-Bromofluorobenzene	51.6			ug/L	50.0		103	80-121			
Surrogate: Dibromofluoromethane	49.9			ug/L	50.0		99.9	79.9-121			
Surrogate: Toluene-d8	50.0			ug/L	50.0		99.9	80-120			

Matrix Spike Dup (B1G1401-MSD1)

Source: 1103117-01

Prepared & Analyzed: 07/14/11

1,1,2,2-Tetrachloroethane	51.8	1.0	0.16	ug/L	50.0	<1.0	104	76.8-125	0.193	20	
1,1-Dichloroethane	51.3	1.0	0.15	ug/L	50.0	<1.0	103	80-125	0.444	20	
1,1-Dichloroethene	41.6	1.0	0.24	ug/L	50.0	<1.0	83.3	80-125	0.455	20	
1,3,5-Trimethylbenzene	52.0	1.0	0.11	ug/L	50.0	<1.0	104	75-125	0.350	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1401 - EPA 5030 Water (Purge and Trap)											
Matrix Spike Dup (B1G1401-MSD1)			Source: 1103117-01			Prepared & Analyzed: 07/14/11					
1,4-Dichlorobenzene	52.7	1.0	0.081	ug/L	50.0	<1.0	105	75-125	0.195	20	
2-Chlorotoluene	51.0	1.0	0.081	ug/L	50.0	<1.0	102	75-125	1.05	20	
Benzene	52.1	1.0	0.071	ug/L	50.0	<1.0	104	80-120	2.63	20	
Bromoform	56.8	5.0	0.26	ug/L	50.0	<5.0	114	80-120	5.78	20	
Chlorobenzene	54.5	1.0	0.20	ug/L	50.0	<1.0	109	80-120	3.94	20	
Chloroform	52.8	1.0	0.15	ug/L	50.0	1.22	103	79.8-125	1.10	20	
Ethylbenzene	53.4	1.0	0.28	ug/L	50.0	<1.0	107	80-120	2.54	20	
n-Butylbenzene	62.3	2.5	0.15	ug/L	50.0	<2.5	125	75-130	0.816	20	
n-Propylbenzene	53.1	1.0	0.094	ug/L	50.0	<1.0	106	75-125	0.962	20	
Toluene	53.0	1.0	0.10	ug/L	50.0	<1.0	106	80-120	0.349	20	
Trichloroethene	51.2	1.0	0.18	ug/L	50.0	<1.0	102	80-120	2.37	20	
Vinyl chloride	49.0	1.0	0.21	ug/L	50.0	<1.0	98.0	75-130	2.42	20	
Surrogate: 4-Bromofluorobenzene	52.9			ug/L	50.0		106	80-121			
Surrogate: Dibromofluoromethane	51.5			ug/L	50.0		103	79.9-121			
Surrogate: Toluene-d8	50.9			ug/L	50.0		102	80-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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WET CHEMISTRY - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2106 - General Prep											
Blank (B1G2106-BLK1)											
Total Alkalinity as CaCO(3)	< 20	20	5.3	mg/L							Prepared: 07/21/11 Analyzed: 07/26/11
Duplicate (B1G2106-DUP1)											
Source: 1103117-01											
Total Alkalinity as CaCO(3)	306	20	5.3	mg/L		310			1.30	20	Prepared: 07/21/11 Analyzed: 07/26/11
Reference (B1G2106-SRM1)											
Total Alkalinity as CaCO(3)	241			mg/L	249		96.8	90-110			Prepared: 07/21/11 Analyzed: 07/26/11

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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ANIONS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1404 - General Prep Dept 4											
Blank (B1G1404-BLK1)						Prepared & Analyzed: 07/14/11					
Chloride	< 0.10	0.10	0.0029	mg/L							
Nitrate as N	< 0.023	0.023	0.0045	mg/L							
Nitrite as N	< 0.030	0.030	0.0023	mg/L							
Sulfate as SO(4)	< 0.10	0.10	0.024	mg/L							
LCS (B1G1404-BS1)											
						Prepared & Analyzed: 07/14/11					
Chloride	4.12	0.10	0.0029	mg/L	4.00		103	80-120			
Nitrate as N	0.905	0.023	0.0045	mg/L	0.904		100	85-115			
Nitrite as N	1.29	0.030	0.0023	mg/L	1.22		106	85-115			
Sulfate as SO(4)	6.20	0.10	0.024	mg/L	6.00		103	80-120			
LCS Dup (B1G1404-BSD1)											
						Prepared & Analyzed: 07/14/11					
Chloride	4.11	0.10	0.0029	mg/L	4.00		103	80-120	0.0680	15	
Nitrate as N	0.908	0.023	0.0045	mg/L	0.904		101	85-115	0.374	20	
Nitrite as N	1.29	0.030	0.0023	mg/L	1.22		106	85-115	0.295	20	
Sulfate as SO(4)	6.22	0.10	0.024	mg/L	6.00		104	80-120	0.201	15	
Matrix Spike (B1G1404-MS1)											
						Source: 1103117-02 Prepared & Analyzed: 07/14/11					
Chloride	30.1	0.50	0.014	mg/L	20.0	9.42	103	80-120			
Nitrate as N	8.90	0.11	0.023	mg/L	4.52	4.06	107	85-115			
Sulfate as SO(4)	47.2	0.50	0.12	mg/L	30.0	15.9	104	80-120			
Matrix Spike (B1G1404-MS2)											
						Source: 1103117-02 Prepared: 07/15/11 Analyzed: 07/19/11					
Nitrite as N	1.36	0.030	0.0023	mg/L	1.22	<0.030	112	85-115			
Matrix Spike Dup (B1G1404-MSD1)											
						Source: 1103117-02 Prepared & Analyzed: 07/14/11					
Chloride	30.1	0.50	0.014	mg/L	20.0	9.42	103	80-120	0.0183	15	
Nitrate as N	8.88	0.11	0.023	mg/L	4.52	4.06	107	85-115	0.241	20	
Sulfate as SO(4)	47.3	0.50	0.12	mg/L	30.0	15.9	105	80-120	0.256	15	
Matrix Spike Dup (B1G1404-MSD2)											
						Source: 1103117-02 Prepared: 07/15/11 Analyzed: 07/19/11					
Nitrite as N	1.38	0.030	0.0023	mg/L	1.22	<0.030	113	85-115	1.40	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103144 Date Reported: 07/27/11
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ANIONS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2204 - General Prep Dept 4											
Blank (B1G2204-BLK1)											
Perchlorate	< 0.10	0.10	0.019	mg/L							Prepared: 07/22/11 Analyzed: 07/26/11
LCS (B1G2204-BS1)											
Perchlorate	1.96	0.10	0.019	mg/L	2.01		97.7	80-120			Prepared: 07/22/11 Analyzed: 07/26/11
Matrix Spike (B1G2204-MS1)											
	Source: 1103117-01										Prepared: 07/22/11 Analyzed: 07/26/11
Perchlorate	1.99	0.10	0.019	mg/L	2.01	<0.10	99.2	80-120			
Matrix Spike Dup (B1G2204-MSD1)											
	Source: 1103117-01										Prepared: 07/22/11 Analyzed: 07/26/11
Perchlorate	1.99	0.10	0.019	mg/L	2.01	<0.10	99.1	80-120	0.0602	15	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103144
Date Reported: 07/27/11

Notes and Definitions

J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)



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July 29, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103147
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 07/14/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of the original report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
217A-TT4_1-1	1103147-01	Soil	07/13/11 14:00	07/14/11 09:45
217A-TT3_0.5-0.5	1103147-02	Soil	07/13/11 14:30	07/14/11 09:45
217A-TT2_1-1	1103147-03	Soil	07/13/11 15:00	07/14/11 09:45
M-1	1103147-04	Soil	07/13/11 00:00	07/14/11 09:45
217A-TT1_0.5-0.5	1103147-05	Soil	07/13/11 15:30	07/14/11 09:45
FB-217A-TT2-1	1103147-06	Water	07/13/11 16:15	07/14/11 09:45
209A-TT1_0.5-0.5	1103147-07	Soil	07/13/11 16:45	07/14/11 09:45
M-2	1103147-08	Soil	07/13/11 00:00	07/14/11 09:45
Trip Blank	1103147-09	Methanol	07/13/11 00:00	07/14/11 09:45

Shipping Container Information

Default Cooler Temperature (°C): 5.5

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Methylene chloride was detected in the method blank between the MDL and RL for 8260 batch B1G1512. Samples with methylene chloride detections less than or equal to 10 times the blank contamination are qualified.

Recovery for n-Butylbenzene was slightly above 8260 laboratory limits in the batch B1G1512 MSD. All spike compounds were within limits in the LCS/MS. The MS/MSD source sample was not associated with this work order.

Recovery for mercury in the MS/MSD samples for batch B1G2605 were below the laboratory control limits. The LCS/LCSD samples and corresponding RPDs were within limits. The MS/MSD source sample was 217A-TT2_1-1.

This report was revised on July 29, 2011 to include the RCRA ICP metal results.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT4_1-1 (1103147-01) Soil Sampled: 07/13/11 14:00 Received: 07/14/11 9:45										
Arsenic	5.1	0.56	0.062	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Barium	110	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	13	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	8.4	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G2602	07/26/11	07/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
217A-TT3_0.5-0.5 (1103147-02) Soil Sampled: 07/13/11 14:30 Received: 07/14/11 9:45										
Arsenic	4.4	0.56	0.062	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Barium	68	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	11	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	20	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1G2602	07/26/11	07/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
217A-TT2_1-1 (1103147-03) Soil Sampled: 07/13/11 15:00 Received: 07/14/11 9:45										
Arsenic	140	0.53	0.058	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Barium	130	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	3.4	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	18	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	90	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	0.12	0.097	0.018	mg/kg dry	1	B1G2605	07/26/11	07/27/11	EPA 7471A	M2
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Silver	0.45	0.26	0.017	mg/kg dry	1	"	"	"	"	
217A-TT1_0.5-0.5 (1103147-05) Soil Sampled: 07/13/11 15:30 Received: 07/14/11 9:45										
Arsenic	3.3	0.60	0.065	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Barium	42	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.039	mg/kg dry	1	"	"	"	"	
Chromium	11	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	9.4	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1G2605	07/26/11	07/27/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	

FB-217A-TT2-1 (1103147-06) Water Sampled: 07/13/11 16:15 Received: 07/14/11 9:45

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-217A-TT2-1 (1103147-06) Water Sampled: 07/13/11 16:15 Received: 07/14/11 9:45										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2001	07/20/11	07/20/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
209A-TT1_0.5-0.5 (1103147-07) Soil Sampled: 07/13/11 16:45 Received: 07/14/11 9:45										
Arsenic	2.7	0.52	0.057	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Barium	27	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.3	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	4.3	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.098	0.098	0.019	mg/kg dry	1	B1G2605	07/26/11	07/27/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT4_1-1 (1103147-01) Soil Sampled: 07/13/11 14:00 Received: 07/14/11 9:45										
% Solids	89			%	1	B1G1816	07/18/11	07/19/11	% calculation	
217A-TT3_0.5-0.5 (1103147-02) Soil Sampled: 07/13/11 14:30 Received: 07/14/11 9:45										
% Solids	89			%	1	B1G1816	07/18/11	07/19/11	% calculation	
217A-TT2_1-1 (1103147-03) Soil Sampled: 07/13/11 15:00 Received: 07/14/11 9:45										
% Solids	95			%	1	B1G1816	07/18/11	07/19/11	% calculation	
M-1 (1103147-04) Soil Sampled: 07/13/11 00:00 Received: 07/14/11 9:45										
% Solids	95			%	1	B1G1816	07/18/11	07/19/11	% calculation	
217A-TT1_0.5-0.5 (1103147-05) Soil Sampled: 07/13/11 15:30 Received: 07/14/11 9:45										
% Solids	84			%	1	B1G1816	07/18/11	07/19/11	% calculation	
209A-TT1_0.5-0.5 (1103147-07) Soil Sampled: 07/13/11 16:45 Received: 07/14/11 9:45										
% Solids	96			%	1	B1G1816	07/18/11	07/19/11	% calculation	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103147
 Date Reported: 07/29/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT4_1-1 (1103147-01) Soil Sampled: 07/13/11 14:00 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT4_1-1 (1103147-01) Soil Sampled: 07/13/11 14:00 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	74.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	72.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	54.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	60.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	71.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT3_0.5-0.5 (1103147-02) Soil Sampled: 07/13/11 14:30 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT3_0.5-0.5 (1103147-02) Soil Sampled: 07/13/11 14:30 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.086	0.37	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.050	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.072	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	76.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	52.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	59.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT2_1-1 (1103147-03) Soil Sampled: 07/13/11 15:00 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.16	1.7	0.16	mg/kg dry	5	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.17	1.7	0.17	mg/kg dry	5	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.19	1.7	0.19	mg/kg dry	5	"	"	"	"	
1,3-Dichlorobenzene	<0.16	1.7	0.16	mg/kg dry	5	"	"	"	"	
1,4-Dichlorobenzene	<0.15	1.7	0.15	mg/kg dry	5	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.41	3.5	0.41	mg/kg dry	5	"	"	"	"	
2,4,5-Trichlorophenol	<0.19	3.5	0.19	mg/kg dry	5	"	"	"	"	
2,4,6-Trichlorophenol	<0.42	3.5	0.42	mg/kg dry	5	"	"	"	"	
2,4-Dichlorophenol	<0.39	3.5	0.39	mg/kg dry	5	"	"	"	"	
2,4-Dimethylphenol	<0.42	3.5	0.42	mg/kg dry	5	"	"	"	"	
2,4-Dinitrophenol	<0.17	3.5	0.17	mg/kg dry	5	"	"	"	"	
2,4-Dinitrotoluene	<0.18	1.7	0.18	mg/kg dry	5	"	"	"	"	
2,6-Dichlorophenol	<0.36	3.5	0.36	mg/kg dry	5	"	"	"	"	
2,6-Dinitrotoluene	<0.21	1.7	0.21	mg/kg dry	5	"	"	"	"	
2-Chloronaphthalene	<0.18	1.7	0.18	mg/kg dry	5	"	"	"	"	
2-Chlorophenol	<0.32	3.5	0.32	mg/kg dry	5	"	"	"	"	
2-Methylnaphthalene	0.77	1.7	0.19	mg/kg dry	5	"	"	"	"	J
2-Methylphenol	<0.18	3.5	0.18	mg/kg dry	5	"	"	"	"	
2-Nitroaniline	<0.20	1.7	0.20	mg/kg dry	5	"	"	"	"	
2-Nitrophenol	<0.45	3.5	0.45	mg/kg dry	5	"	"	"	"	
3&4-Methylphenol	<0.17	3.5	0.17	mg/kg dry	5	"	"	"	"	
3,3'-Dichlorobenzidine	<0.79	8.4	0.79	mg/kg dry	5	"	"	"	"	
3-Nitroaniline	<0.14	1.7	0.14	mg/kg dry	5	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.18	3.5	0.18	mg/kg dry	5	"	"	"	"	
4-Bromophenyl phenyl ether	<0.17	1.7	0.17	mg/kg dry	5	"	"	"	"	
4-Chloro-3-methylphenol	<0.35	3.5	0.35	mg/kg dry	5	"	"	"	"	
4-Chloroaniline	<0.14	3.5	0.14	mg/kg dry	5	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.19	1.7	0.19	mg/kg dry	5	"	"	"	"	
4-Nitroaniline	<0.18	1.7	0.18	mg/kg dry	5	"	"	"	"	
4-Nitrophenol	<0.49	3.5	0.49	mg/kg dry	5	"	"	"	"	
Acenaphthene	1.5	1.7	0.20	mg/kg dry	5	"	"	"	"	J
Acenaphthylene	<0.22	1.7	0.22	mg/kg dry	5	"	"	"	"	
Aniline	<0.16	3.5	0.16	mg/kg dry	5	"	"	"	"	
Anthracene	21	1.7	0.19	mg/kg dry	5	"	"	"	"	
Benzidine	<1.0	13	1.0	mg/kg dry	5	"	"	"	"	
Benzo(a)anthracene	100	8.7	1.1	mg/kg dry	25	"	"	07/19/11	"	
Benzo(a)pyrene	88	8.7	1.1	mg/kg dry	25	"	"	"	"	
Benzo(b)fluoranthene	120	8.7	1.1	mg/kg dry	25	"	"	"	"	
Benzo(g,h,i)perylene	46	8.7	1.1	mg/kg dry	25	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT2_1-1 (1103147-03) Soil Sampled: 07/13/11 15:00 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	50	8.7	1.3	mg/kg dry	25	B1G1809	07/18/11	07/19/11	EPA 8270C	
Benzoic acid	<0.13	1.7	0.13	mg/kg dry	5	"	"	07/18/11	"	
Benzyl alcohol	<0.50	3.5	0.50	mg/kg dry	5	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.18	1.7	0.18	mg/kg dry	5	"	"	"	"	
Bis(2-chloroethyl)ether	<0.18	1.7	0.18	mg/kg dry	5	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.18	1.7	0.18	mg/kg dry	5	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.25	1.7	0.25	mg/kg dry	5	"	"	"	"	
Butyl benzyl phthalate	<0.22	1.7	0.22	mg/kg dry	5	"	"	"	"	
Carbazole	8.5	1.7	0.18	mg/kg dry	5	"	"	"	"	
Chrysene	110	8.7	1.2	mg/kg dry	25	"	"	07/19/11	"	
Dibenz(a,h)anthracene	23	1.7	0.23	mg/kg dry	5	"	"	07/18/11	"	
Dibenzofuran	3.3	1.7	0.17	mg/kg dry	5	"	"	"	"	
Diethyl phthalate	<0.16	1.7	0.16	mg/kg dry	5	"	"	"	"	
Dimethyl phthalate	<0.16	1.7	0.16	mg/kg dry	5	"	"	"	"	
Di-n-butyl phthalate	<0.23	1.7	0.23	mg/kg dry	5	"	"	"	"	
Di-n-octyl phthalate	<0.25	1.7	0.25	mg/kg dry	5	"	"	"	"	
Fluoranthene	120	8.7	1.0	mg/kg dry	25	"	"	07/19/11	"	
Fluorene	1.5	1.7	0.18	mg/kg dry	5	"	"	07/18/11	"	J
Hexachlorobenzene	<0.19	1.7	0.19	mg/kg dry	5	"	"	"	"	
Hexachlorobutadiene	<0.16	1.7	0.16	mg/kg dry	5	"	"	"	"	
Hexachlorocyclopentadiene	<0.13	1.7	0.13	mg/kg dry	5	"	"	"	"	
Hexachloroethane	<0.16	1.7	0.16	mg/kg dry	5	"	"	"	"	
Indeno (1,2,3-cd) pyrene	52	8.7	1.1	mg/kg dry	25	"	"	07/19/11	"	
Isophorone	<0.16	1.7	0.16	mg/kg dry	5	"	"	07/18/11	"	
Naphthalene	1.5	1.7	0.17	mg/kg dry	5	"	"	"	"	J
Nitrobenzene	<0.17	1.7	0.17	mg/kg dry	5	"	"	"	"	
N-Nitrosodimethylamine	<0.12	1.7	0.12	mg/kg dry	5	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.17	1.7	0.17	mg/kg dry	5	"	"	"	"	
N-Nitrosodiphenylamine	<0.14	1.7	0.14	mg/kg dry	5	"	"	"	"	
Pentachlorophenol	<0.41	3.5	0.41	mg/kg dry	5	"	"	"	"	
Phenanthrene	70	8.7	0.95	mg/kg dry	25	"	"	07/19/11	"	
Phenol	<0.36	3.5	0.36	mg/kg dry	5	"	"	07/18/11	"	
Pyrene	110	8.7	1.1	mg/kg dry	25	"	"	07/19/11	"	
Surrogate: 2,4,6-Tribromophenol	63.5			53-107 %		"	"	07/18/11	"	
Surrogate: 2-Fluorobiphenyl	94.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	95.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	70.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	74.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT1_0.5-0.5 (1103147-05) Soil Sampled: 07/13/11 15:30 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.092	0.39	0.043	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.49	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	1.0	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	3.1	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	2.9	0.39	0.050	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	4.0	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	1.9	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103147
 Date Reported: 07/29/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT1_0.5-0.5 (1103147-05) Soil Sampled: 07/13/11 15:30 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	1.6	0.39	0.057	mg/kg dry	1	B1G1809	07/18/11	07/18/11	EPA 8270C	
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	0.77	0.39	0.042	mg/kg dry	1	"	"	"	"	
Chrysene	3.5	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.51	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.30	0.39	0.039	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	6.7	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	0.47	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	2.1	0.39	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	0.30	0.39	0.039	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	4.9	0.39	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	5.6	0.39	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	54.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	61.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	77.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-217A-TT2-1 (1103147-06) Water **Sampled: 07/13/11 16:15** **Received: 07/14/11 9:45**

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103147
Date Reported: 07/29/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-217A-TT2-1 (1103147-06) Water Sampled: 07/13/11 16:15 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	82.1			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	83.0			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.8			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	84.4			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	64.2			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	92.8			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
209A-TT1_0.5-0.5 (1103147-07) Soil Sampled: 07/13/11 16:45 Received: 07/14/11 9:45										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1G2105	07/21/11	07/22/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
209A-TT1_0.5-0.5 (1103147-07) Soil Sampled: 07/13/11 16:45 Received: 07/14/11 9:45										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1G2105	07/21/11	07/22/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	56.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	48.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	55.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	53.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	62.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT2_1-1 (1103147-03) Soil Sampled: 07/13/11 15:00 Received: 07/14/11 9:45										
1,1,1,2-Tetrachloroethane	<0.074	0.31	0.074	mg/kg dry	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
1,1,1-Trichloroethane	<0.040	0.31	0.040	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.043	0.31	0.043	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.085	0.31	0.085	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.029	0.31	0.029	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.031	0.31	0.031	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.076	0.63	0.076	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.030	0.31	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.034	0.63	0.034	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.023	0.31	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.086	0.63	0.086	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.028	0.31	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.025	0.31	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.034	0.31	0.034	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.039	0.31	0.039	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.025	0.31	0.025	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.028	0.31	0.028	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.021	0.31	0.021	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.075	0.63	0.075	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.11	2.5	0.11	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.018	0.31	0.018	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
Acetone	0.62	2.5	0.24	mg/kg dry	1	"	"	"	"	J
Allyl chloride	<0.073	0.63	0.073	mg/kg dry	1	"	"	"	"	
Benzene	<0.019	0.31	0.019	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.034	0.31	0.034	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.046	0.31	0.046	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.034	0.31	0.034	mg/kg dry	1	"	"	"	"	
Bromoform	<0.034	0.63	0.034	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.14	0.63	0.14	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.043	0.31	0.043	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.024	0.31	0.024	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.046	0.31	0.046	mg/kg dry	1	"	"	"	"	
Chloroform	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.076	0.31	0.076	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103147
 Date Reported: 07/29/11

VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT2_1-1 (1103147-03) Soil Sampled: 07/13/11 15:00 Received: 07/14/11 9:45										
cis-1,3-Dichloropropene	<0.028	0.31	0.028	mg/kg dry	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
Dibromochloromethane	<0.043	0.31	0.043	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.036	0.31	0.036	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.12	0.63	0.12	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.048	0.31	0.048	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.048	0.63	0.048	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.014	0.31	0.014	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.086	1.3	0.086	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.024	0.31	0.024	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.059	0.63	0.059	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.10	0.63	0.10	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.020	0.31	0.020	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.29	1.3	0.073	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	0.47	0.63	0.069	mg/kg dry	1	"	"	"	"	J
n-Butylbenzene	<0.034	0.31	0.034	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.031	0.31	0.031	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.018	0.31	0.018	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.021	0.31	0.021	mg/kg dry	1	"	"	"	"	
Styrene	<0.025	0.31	0.025	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.023	0.31	0.023	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.035	0.31	0.035	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.15	2.5	0.15	mg/kg dry	1	"	"	"	"	
Toluene	<0.020	0.31	0.020	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.038	0.31	0.038	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.029	0.31	0.029	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.051	0.31	0.051	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.044	0.31	0.044	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.081	0.31	0.081	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.9			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	93.9			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	91.0			78.1-125 %		"	"	"	"	

M-1 (1103147-04) Soil Sampled: 07/13/11 00:00 Received: 07/14/11 9:45										W-03
1,1,1,2-Tetrachloroethane	<0.079	0.33	0.079	mg/kg dry	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
1,1,1-Trichloroethane	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.045	0.33	0.045	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.091	0.33	0.091	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1103147-04) Soil										W-03
Sampled: 07/13/11 00:00										
Received: 07/14/11 9:45										
1,1-Dichloroethene	<0.033	0.33	0.033	mg/kg dry	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
1,1-Dichloropropene	<0.028	0.33	0.028	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.081	0.67	0.081	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.032	0.33	0.032	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.036	0.67	0.036	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.092	0.67	0.092	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.023	0.33	0.023	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.080	0.67	0.080	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.12	2.7	0.12	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.019	0.33	0.019	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.028	0.33	0.028	mg/kg dry	1	"	"	"	"	
Acetone	0.41	2.7	0.25	mg/kg dry	1	"	"	"	"	J
Allyl chloride	<0.077	0.67	0.077	mg/kg dry	1	"	"	"	"	
Benzene	<0.020	0.33	0.020	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.049	0.33	0.049	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Bromoform	<0.036	0.67	0.036	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.15	0.67	0.15	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.045	0.33	0.045	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.025	0.33	0.025	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.049	0.33	0.049	mg/kg dry	1	"	"	"	"	
Chloroform	<0.028	0.33	0.028	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.081	0.33	0.081	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.045	0.33	0.045	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.13	0.67	0.13	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.051	0.33	0.051	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.051	0.67	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1103147-04) Soil Sampled: 07/13/11 00:00 Received: 07/14/11 9:45										W-03
Ethylbenzene	<0.015	0.33	0.015	mg/kg dry	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
Hexachlorobutadiene	<0.092	1.3	0.092	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.025	0.33	0.025	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.063	0.67	0.063	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.11	0.67	0.11	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.021	0.33	0.021	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.28	1.3	0.077	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	0.41	0.67	0.073	mg/kg dry	1	"	"	"	"	J
n-Butylbenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.028	0.33	0.028	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.019	0.33	0.019	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.023	0.33	0.023	mg/kg dry	1	"	"	"	"	
Styrene	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.037	0.33	0.037	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.16	2.7	0.16	mg/kg dry	1	"	"	"	"	
Toluene	<0.021	0.33	0.021	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.055	0.33	0.055	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.047	0.33	0.047	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.087	0.33	0.087	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	90.7			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.5			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.8			78.1-125 %		"	"	"	"	

FB-217A-TT2-1 (1103147-06) Water Sampled: 07/13/11 16:15 Received: 07/14/11 9:45										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G2013	07/20/11	07/20/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-217A-TT2-1 (1103147-06) Water Sampled: 07/13/11 16:15 Received: 07/14/11 9:45

1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	B1G2013	07/20/11	07/20/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	13	20	3.8	ug/L	1	"	"	"	"	J
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-217A-TT2-1 (1103147-06) Water Sampled: 07/13/11 16:15 Received: 07/14/11 9:45										
Methylene chloride	<0.85	5.0	0.85	ug/L	1	B1G2013	07/20/11	07/20/11	EPA 8260B	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.3			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	106			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	102			80-120 %		"	"	"	"	

Trip Blank (1103147-09) Methanol Sampled: 07/13/11 00:00 Received: 07/14/11 9:45

1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1103147-09) Methanol Sampled: 07/13/11 00:00 Received: 07/14/11 9:45										
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	0.40	2.0	0.19	mg/kg wet	1	"	"	"	"	J
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	0.19	1.0	0.058	mg/kg wet	1	"	"	"	"	B-01, J
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1103147-09) Methanol Sampled: 07/13/11 00:00 Received: 07/14/11 9:45										
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	B1G1512	07/15/11	07/15/11	EPA 8260B	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	92.2			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.2			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	93.0			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
209A-TT1_0.5-0.5 (1103147-07) Soil Sampled: 07/13/11 16:45 Received: 07/14/11 9:45										
Flashpoint	>140			°F	1	B1G2710	07/27/11	07/27/11	EPA 1010A/ASTM D93(M)	
M-2 (1103147-08) Soil Sampled: 07/13/11 00:00 Received: 07/14/11 9:45										
Flashpoint	>140			°F	1	B1G2710	07/27/11	07/27/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1807 - EPA 3050B

Blank (B1G1807-BLK1)

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G1807-BS1)

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	40.7	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.0	1.0	0.060	mg/kg wet	39.9		105	80-120			
Cadmium	40.9	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.4	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	40.6	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.18	0.25	0.016	mg/kg wet	3.99		105	80-120			

LCS Dup (B1G1807-BSD1)

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	40.7	0.50	0.055	mg/kg wet	39.9		102	80-120	0.0527	20	
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120	0.408	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	0.369	20	
Chromium	41.5	0.50	0.012	mg/kg wet	39.9		104	80-120	0.420	20	
Lead	41.3	1.0	0.14	mg/kg wet	39.9		103	80-120	0.325	20	
Selenium	40.4	1.0	0.095	mg/kg wet	39.9		101	80-120	0.275	20	
Silver	4.13	0.25	0.016	mg/kg wet	3.99		103	80-120	1.21	20	

Matrix Spike (B1G1807-MS1)

Source: 1103147-07

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	42.1	0.52	0.057	mg/kg dry	40.8	2.71	96.4	75-125			
Barium	71.3	1.0	0.062	mg/kg dry	40.8	27.1	108	75-125			
Cadmium	40.3	0.26	0.034	mg/kg dry	40.8	<0.26	98.5	75-125			
Chromium	49.0	0.52	0.012	mg/kg dry	40.8	8.34	99.5	75-125			
Lead	43.1	1.0	0.15	mg/kg dry	40.8	4.30	95.1	75-125			
Selenium	38.8	1.0	0.099	mg/kg dry	40.8	<1.0	95.0	75-125			
Silver	3.98	0.26	0.017	mg/kg dry	4.08	<0.26	97.4	75-125			

Matrix Spike Dup (B1G1807-MSD1)

Source: 1103147-07

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	41.9	0.52	0.057	mg/kg dry	39.7	2.71	98.7	75-125	0.500	20	
Barium	68.5	1.0	0.062	mg/kg dry	39.7	27.1	105	75-125	3.98	20	
Cadmium	39.7	0.26	0.034	mg/kg dry	39.7	<0.26	100	75-125	1.34	20	
Chromium	49.2	0.52	0.012	mg/kg dry	39.7	8.34	103	75-125	0.547	20	
Lead	41.6	1.0	0.15	mg/kg dry	39.7	4.30	94.1	75-125	3.58	20	
Selenium	38.8	1.0	0.099	mg/kg dry	39.7	<1.0	97.8	75-125	0.0475	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1807 - EPA 3050B

Matrix Spike Dup (B1G1807-MSD1)

Source: 1103147-07

Prepared: 07/18/11 Analyzed: 07/29/11

Silver	3.95	0.26	0.017	mg/kg dry	3.97	<0.26	99.6	75-125	0.755	20	
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Batch B1G2001 - EPA 245.1/7470A Digestion

Blank (B1G2001-BLK1)

Prepared & Analyzed: 07/20/11

Mercury	< 0.00020	0.00020	0.000037	mg/L							
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LCS (B1G2001-BS1)

Prepared & Analyzed: 07/20/11

Mercury	0.00185	0.00020	0.000037	mg/L	0.00200		92.5	80-120			
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LCS Dup (B1G2001-BSD1)

Prepared & Analyzed: 07/20/11

Mercury	0.00183	0.00020	0.000037	mg/L	0.00200		91.5	80-120	1.09	20	
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Matrix Spike (B1G2001-MS1)

Source: 1103058-05

Prepared & Analyzed: 07/20/11

Mercury	0.00185	0.00020	0.000037	mg/L	0.00200	<0.00020	92.5	75-125			
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Matrix Spike Dup (B1G2001-MSD1)

Source: 1103058-05

Prepared & Analyzed: 07/20/11

Mercury	0.00187	0.00020	0.000037	mg/L	0.00200	<0.00020	93.5	75-125	1.08	20	
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Batch B1G2103 - EPA 200.7/3005A Digestion

Blank (B1G2103-BLK1)

Prepared & Analyzed: 07/21/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1G2103-BS1)

Prepared & Analyzed: 07/21/11

Arsenic	0.412	0.010	0.0011	mg/L	0.399		103	80-120			
Barium	0.422	0.020	0.0012	mg/L	0.399		106	80-120			
Cadmium	0.412	0.0010	0.00013	mg/L	0.399		103	80-120			
Chromium	0.422	0.010	0.00024	mg/L	0.399		106	80-120			
Lead	0.436	0.0030	0.00042	mg/L	0.399		109	80-120			
Selenium	0.411	0.020	0.0019	mg/L	0.399		103	80-120			
Silver	0.0414	0.0050	0.00031	mg/L	0.0399		104	80-120			

LCS Dup (B1G2103-BSD1)

Prepared & Analyzed: 07/21/11

Arsenic	0.414	0.010	0.0011	mg/L	0.399		104	80-120	0.630	20	
Barium	0.424	0.020	0.0012	mg/L	0.399		106	80-120	0.562	20	
Cadmium	0.412	0.0010	0.00013	mg/L	0.399		103	80-120	0.0907	20	
Chromium	0.424	0.010	0.00024	mg/L	0.399		106	80-120	0.340	20	
Lead	0.438	0.0030	0.00042	mg/L	0.399		110	80-120	0.465	20	
Selenium	0.411	0.020	0.0019	mg/L	0.399		103	80-120	0.0830	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2103 - EPA 200.7/3005A Digestion											
LCS Dup (B1G2103-BSD1)											
						Prepared & Analyzed: 07/21/11					
Silver	0.0416	0.0050	0.00031	mg/L	0.0399		104	80-120	0.516	20	
Matrix Spike (B1G2103-MS1)											
						Source: 1103116-02 Prepared & Analyzed: 07/21/11					
Arsenic	0.405	0.010	0.0011	mg/L	0.399	<0.010	101	75-125			
Barium	0.414	0.020	0.0012	mg/L	0.399	<0.020	103	75-125			
Cadmium	0.400	0.0010	0.00013	mg/L	0.399	<0.0010	100	75-125			
Chromium	0.413	0.010	0.00024	mg/L	0.399	<0.010	104	75-125			
Lead	0.427	0.0030	0.00042	mg/L	0.399	<0.0030	107	75-125			
Selenium	0.403	0.020	0.0019	mg/L	0.399	<0.020	101	75-125			
Silver	0.0402	0.0050	0.00031	mg/L	0.0399	<0.0050	101	75-125			
Matrix Spike Dup (B1G2103-MSD1)											
						Source: 1103116-02 Prepared & Analyzed: 07/21/11					
Arsenic	0.417	0.010	0.0011	mg/L	0.399	<0.010	104	75-125	2.89	20	
Barium	0.428	0.020	0.0012	mg/L	0.399	<0.020	106	75-125	3.18	20	
Cadmium	0.415	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125	3.58	20	
Chromium	0.427	0.010	0.00024	mg/L	0.399	<0.010	107	75-125	3.22	20	
Lead	0.440	0.0030	0.00042	mg/L	0.399	<0.0030	110	75-125	3.10	20	
Selenium	0.418	0.020	0.0019	mg/L	0.399	<0.020	105	75-125	3.58	20	
Silver	0.0412	0.0050	0.00031	mg/L	0.0399	<0.0050	103	75-125	2.48	20	
Batch B1G2602 - EPA 7471A											
Blank (B1G2602-BLK1)											
						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G2602-BS1)											
						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.225	0.10	0.019	mg/kg wet	0.200		112	80-120			
LCS Dup (B1G2602-BSD1)											
						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.226	0.10	0.019	mg/kg wet	0.200		113	80-120	0.443	20	
Matrix Spike (B1G2602-MS1)											
						Source: 1103142-22 Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.263	0.10	0.019	mg/kg dry	0.204	<0.10	112	75-125			
Matrix Spike Dup (B1G2602-MSD1)											
						Source: 1103142-22 Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.266	0.11	0.020	mg/kg dry	0.211	<0.11	110	75-125	1.47	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2605 - EPA 7471A											
Blank (B1G2605-BLK1)											
						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G2605-BS1)											
						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.206	0.10	0.019	mg/kg wet	0.200		103	80-120			
LCS Dup (B1G2605-BSD1)											
						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.215	0.10	0.019	mg/kg wet	0.200		108	80-120	4.28	20	
Matrix Spike (B1G2605-MS1)											
						Source: 1103147-03 Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.221	0.092	0.017	mg/kg dry	0.184	0.117	56.2	75-125			M2
Matrix Spike Dup (B1G2605-MSD1)											
						Source: 1103147-03 Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.224	0.093	0.018	mg/kg dry	0.185	0.117	57.2	75-125	1.22	20	M2

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1816 - General Preparation											
Duplicate (B1G1816-DUP1)	Source: 1103116-12		Prepared: 07/18/11 Analyzed: 07/19/11								
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1G1816-DUP2)	Source: 1103127-02		Prepared: 07/18/11 Analyzed: 07/19/11								
% Solids	99.0			%		99.0			0.00	20	
Duplicate (B1G1816-DUP3)	Source: 1103147-07		Prepared: 07/18/11 Analyzed: 07/19/11								
% Solids	96.0			%		96.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1809 - EPA 3545 ASE Extraction

Blank (B1G1809-BLK1)

Prepared & Analyzed: 07/18/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1809 - EPA 3545 ASE Extraction

Blank (B1G1809-BLK1)

Prepared & Analyzed: 07/18/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.78			mg/kg wet	6.67		86.6	53-107			
Surrogate: 2-Fluorobiphenyl	5.53			mg/kg wet	6.67		83.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.44			mg/kg wet	6.67		66.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.77			mg/kg wet	6.67		86.5	48.9-100			
Surrogate: Phenol-d6	4.73			mg/kg wet	6.67		71.0	50.4-99.6			
Surrogate: Terphenyl-d14	5.58			mg/kg wet	6.67		83.7	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1809 - EPA 3545 ASE Extraction

LCS (B1G1809-BS1)

Prepared & Analyzed: 07/18/11

1,2,4-Trichlorobenzene	4.61	0.33	0.031	mg/kg wet	6.67		69.2	59.1-87.7		20	
1,4-Dichlorobenzene	3.83	0.33	0.029	mg/kg wet	6.67		57.4	50.3-72.9		20	
2,4-Dinitrotoluene	4.79	0.33	0.035	mg/kg wet	6.67		71.8	59.8-82.2		20	
2-Chlorophenol	4.66	0.67	0.060	mg/kg wet	6.67		69.8	59.7-77.3		20	
4-Chloro-3-methylphenol	5.10	0.67	0.066	mg/kg wet	6.67		76.5	63.6-80.4		20	
4-Nitrophenol	4.89	0.67	0.093	mg/kg wet	6.67		73.3	57.3-84.9		20	
Anthracene	5.26	0.33	0.036	mg/kg wet	6.67		78.9	67.3-88		20	
Benzo(a)anthracene	5.42	0.33	0.041	mg/kg wet	6.67		81.2	66.5-90.5		20	
Benzo(a)pyrene	5.45	0.33	0.042	mg/kg wet	6.67		81.7	66.1-89.7		20	
Chrysene	5.54	0.33	0.044	mg/kg wet	6.67		83.0	65.5-90.5		20	
Fluoranthene	5.12	0.33	0.039	mg/kg wet	6.67		76.8	66.7-89.9		20	
Fluorene	4.78	0.33	0.035	mg/kg wet	6.67		71.7	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.77	0.33	0.033	mg/kg wet	6.67		71.6	59.4-78		20	
Pentachlorophenol	5.13	0.67	0.078	mg/kg wet	6.67		76.9	46.7-83.2		20	
Phenanthrene	5.34	0.33	0.036	mg/kg wet	6.67		80.1	67.5-87.9		20	
Phenol	4.10	0.67	0.069	mg/kg wet	6.67		61.5	59.5-76.6		20	
<i>Surrogate: 2,4,6-Tribromophenol</i>	5.81			mg/kg wet	6.67		87.1	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	5.60			mg/kg wet	6.67		84.0	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	3.98			mg/kg wet	6.67		59.8	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	5.70			mg/kg wet	6.67		85.5	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.49			mg/kg wet	6.67		67.4	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	6.12			mg/kg wet	6.67		91.8	51-99.6			

Matrix Spike (B1G1809-MS1)

Source: 1103116-12

Prepared & Analyzed: 07/18/11

1,2,4-Trichlorobenzene	5.10	0.34	0.032	mg/kg dry	6.85	<0.34	74.4	44.8-97.9		19.6	
1,4-Dichlorobenzene	4.31	0.34	0.030	mg/kg dry	6.85	<0.34	63.0	42.3-77.9		22.4	
2,4-Dinitrotoluene	5.19	0.34	0.036	mg/kg dry	6.85	<0.34	75.8	57.3-86.6		19.5	
2-Chlorophenol	4.87	0.68	0.061	mg/kg dry	6.85	<0.68	71.2	43.3-93.2		23.7	
4-Chloro-3-methylphenol	5.37	0.68	0.067	mg/kg dry	6.85	<0.68	78.4	47.1-97.6		18.3	
4-Nitrophenol	4.85	0.68	0.095	mg/kg dry	6.85	<0.68	70.8	49.3-96.2		20.4	
Anthracene	5.71	0.34	0.037	mg/kg dry	6.85	<0.34	83.4	67.5-93.1		19.9	
Benzo(a)anthracene	5.87	0.34	0.042	mg/kg dry	6.85	<0.34	85.7	59.8-95.7		23.4	
Benzo(a)pyrene	5.90	0.34	0.043	mg/kg dry	6.85	<0.34	86.2	59.8-92.7		21.1	
Chrysene	6.05	0.34	0.045	mg/kg dry	6.85	<0.34	88.4	62.5-94.6		24.8	
Fluoranthene	5.53	0.34	0.040	mg/kg dry	6.85	<0.34	80.7	61.3-92.8		21.8	
Fluorene	5.29	0.34	0.036	mg/kg dry	6.85	<0.34	77.2	62.8-92.6		17.6	
N-Nitrosodi-n-propylamine	5.24	0.34	0.034	mg/kg dry	6.85	<0.34	76.6	46.9-89.9		18.9	
Pentachlorophenol	5.13	0.68	0.080	mg/kg dry	6.85	<0.68	75.0	40.1-95.1		19.7	
Phenanthrene	5.80	0.34	0.037	mg/kg dry	6.85	<0.34	84.7	65.2-92.2		20.5	
Phenol	4.22	0.68	0.070	mg/kg dry	6.85	<0.68	61.5	44.7-91		17.9	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1809 - EPA 3545 ASE Extraction

Matrix Spike (B1G1809-MS1)

Source: 1103116-12

Prepared & Analyzed: 07/18/11

Surrogate: 2,4,6-Tribromophenol	6.67			mg/kg dry	6.85		97.3	53-107			
Surrogate: 2-Fluorobiphenyl	6.23			mg/kg dry	6.85		90.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.63			mg/kg dry	6.85		67.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.46			mg/kg dry	6.85		94.3	48.9-100			
Surrogate: Phenol-d6	5.07			mg/kg dry	6.85		74.0	50.4-99.6			
Surrogate: Terphenyl-d14	6.73			mg/kg dry	6.85		98.2	51-99.6			

Matrix Spike Dup (B1G1809-MSD1)

Source: 1103116-12

Prepared & Analyzed: 07/18/11

1,2,4-Trichlorobenzene	5.11	0.34	0.032	mg/kg dry	6.83	<0.34	74.8	44.8-97.9	0.362	19.6	
1,4-Dichlorobenzene	4.44	0.34	0.030	mg/kg dry	6.83	<0.34	65.0	42.3-77.9	2.96	22.4	
2,4-Dinitrotoluene	5.28	0.34	0.036	mg/kg dry	6.83	<0.34	77.3	57.3-86.6	1.76	19.5	
2-Chlorophenol	5.02	0.68	0.061	mg/kg dry	6.83	<0.68	73.4	43.3-93.2	2.93	23.7	
4-Chloro-3-methylphenol	5.35	0.68	0.067	mg/kg dry	6.83	<0.68	78.3	47.1-97.6	0.329	18.3	
4-Nitrophenol	5.11	0.68	0.095	mg/kg dry	6.83	<0.68	74.7	49.3-96.2	5.29	20.4	
Anthracene	5.74	0.34	0.037	mg/kg dry	6.83	<0.34	84.0	67.5-93.1	0.439	19.9	
Benzo(a)anthracene	5.92	0.34	0.042	mg/kg dry	6.83	<0.34	86.7	59.8-95.7	0.898	23.4	
Benzo(a)pyrene	5.92	0.34	0.043	mg/kg dry	6.83	<0.34	86.6	59.8-92.7	0.260	21.1	
Chrysene	6.03	0.34	0.045	mg/kg dry	6.83	<0.34	88.2	62.5-94.6	0.321	24.8	
Fluoranthene	5.60	0.34	0.040	mg/kg dry	6.83	<0.34	82.0	61.3-92.8	1.31	21.8	
Fluorene	5.27	0.34	0.036	mg/kg dry	6.83	<0.34	77.1	62.8-92.6	0.288	17.6	
N-Nitrosodi-n-propylamine	5.31	0.34	0.034	mg/kg dry	6.83	<0.34	77.7	46.9-89.9	1.19	18.9	
Pentachlorophenol	5.25	0.68	0.080	mg/kg dry	6.83	<0.68	76.9	40.1-95.1	2.31	19.7	
Phenanthrene	5.82	0.34	0.037	mg/kg dry	6.83	<0.34	85.1	65.2-92.2	0.289	20.5	
Phenol	4.30	0.68	0.070	mg/kg dry	6.83	<0.68	62.9	44.7-91	1.89	17.9	
Surrogate: 2,4,6-Tribromophenol	6.54			mg/kg dry	6.83		95.7	53-107			
Surrogate: 2-Fluorobiphenyl	6.13			mg/kg dry	6.83		89.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.70			mg/kg dry	6.83		68.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.45			mg/kg dry	6.83		94.4	48.9-100			
Surrogate: Phenol-d6	5.12			mg/kg dry	6.83		74.9	50.4-99.6			
Surrogate: Terphenyl-d14	6.68			mg/kg dry	6.83		97.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Blank (B1G1902-BLK1)

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Blank (B1G1902-BLK1)

Prepared & Analyzed: 07/19/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	79.2			ug/L	100		79.2	30-122			
Surrogate: 2-Fluorobiphenyl	77.6			ug/L	100		77.6	39.2-104			
Surrogate: 2-Fluorophenol	66.0			ug/L	100		66.0	30-80.1			
Surrogate: Nitrobenzene-d5	76.8			ug/L	100		76.8	51.2-103			
Surrogate: Phenol-d6	58.8			ug/L	100		58.8	30-75.3			
Surrogate: Terphenyl-d14	90.4			ug/L	100		90.4	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

LCS (B1G1902-BS1)

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	65.6	10	0.30	ug/L	100	65.6	47.4-88.7	20
1,4-Dichlorobenzene	62.8	10	0.29	ug/L	100	62.8	39.5-81	20
2,4-Dinitrotoluene	83.1	10	0.45	ug/L	100	83.1	67.2-99.3	20
2-Chlorophenol	76.1	10	0.39	ug/L	100	76.1	56.5-85.9	20
4-Chloro-3-methylphenol	81.5	10	0.48	ug/L	100	81.5	62.1-98.2	20
4-Nitrophenol	78.5	10	0.78	ug/L	100	78.5	40.5-98.5	20
Anthracene	91.0	10	0.56	ug/L	100	91.0	70.6-95.3	20
Benzo(a)anthracene	87.2	10	0.50	ug/L	100	87.2	73.7-96.6	20
Benzo(a)pyrene	89.3	10	0.41	ug/L	100	89.3	70.9-92.6	20
Chrysene	89.9	10	0.61	ug/L	100	89.9	71.8-97.5	20
Fluoranthene	91.1	10	0.61	ug/L	100	91.1	73.6-96.8	20
Fluorene	88.2	10	0.52	ug/L	100	88.2	69.3-93.3	20
N-Nitrosodi-n-propylamine	79.8	10	0.25	ug/L	100	79.8	65.9-89.3	20
Pentachlorophenol	70.0	10	0.90	ug/L	100	70.0	55-107	20
Phenanthrene	91.9	10	0.35	ug/L	100	91.9	72.5-97.6	20
Phenol	58.5	10	0.41	ug/L	100	58.5	34.1-71.6	20
Surrogate: 2,4,6-Tribromophenol	82.5			ug/L	100	82.5	30-122	
Surrogate: 2-Fluorobiphenyl	83.6			ug/L	100	83.6	39.2-104	
Surrogate: 2-Fluorophenol	66.0			ug/L	100	66.0	30-80.1	
Surrogate: Nitrobenzene-d5	79.6			ug/L	100	79.6	51.2-103	
Surrogate: Phenol-d6	60.5			ug/L	100	60.5	30-75.3	
Surrogate: Terphenyl-d14	77.8			ug/L	100	77.8	30-116	

Matrix Spike (B1G1902-MS1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	68.6	9.3	0.28	ug/L	93.5	<9.3	73.4	39.2-90.6	23.6
1,4-Dichlorobenzene	64.9	9.3	0.27	ug/L	93.5	<9.3	69.5	34.1-81.6	22.4
2,4-Dinitrotoluene	83.1	9.3	0.42	ug/L	93.5	<9.3	88.9	41.1-110	17.2
2-Chlorophenol	75.3	9.3	0.36	ug/L	93.5	<9.3	80.6	30-96.4	23.7
4-Chloro-3-methylphenol	82.3	9.3	0.45	ug/L	93.5	<9.3	88.1	30-113	24.1
4-Nitrophenol	78.3	9.3	0.73	ug/L	93.5	<9.3	83.8	30-112	34.3
Anthracene	89.0	9.3	0.52	ug/L	93.5	<9.3	95.2	30-119	24.5
Benzo(a)anthracene	88.4	9.3	0.47	ug/L	93.5	<9.3	94.6	30-122	27.8
Benzo(a)pyrene	90.2	9.3	0.38	ug/L	93.5	<9.3	96.6	30-118	27.1
Chrysene	89.4	9.3	0.57	ug/L	93.5	<9.3	95.6	30-125	28
Fluoranthene	90.8	9.3	0.57	ug/L	93.5	<9.3	97.2	31.6-119	25.9
Fluorene	87.6	9.3	0.49	ug/L	93.5	<9.3	93.8	40.8-107	20.6
N-Nitrosodi-n-propylamine	79.2	9.3	0.23	ug/L	93.5	<9.3	84.8	47.2-94.8	15.8
Pentachlorophenol	71.8	9.3	0.84	ug/L	93.5	<9.3	76.8	30-130	25.5
Phenanthrene	90.1	9.3	0.33	ug/L	93.5	<9.3	96.4	38.2-117	19.3
Phenol	55.2	9.3	0.38	ug/L	93.5	<9.3	59.0	30-80	31.9

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Matrix Spike (B1G1902-MS1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

Surrogate: 2,4,6-Tribromophenol	84.9			ug/L	93.5		90.8	30-122			
Surrogate: 2-Fluorobiphenyl	82.8			ug/L	93.5		88.6	39.2-104			
Surrogate: 2-Fluorophenol	65.3			ug/L	93.5		69.9	30-80.1			
Surrogate: Nitrobenzene-d5	82.0			ug/L	93.5		87.8	51.2-103			
Surrogate: Phenol-d6	56.7			ug/L	93.5		60.7	30-75.3			
Surrogate: Terphenyl-d14	78.1			ug/L	93.5		83.6	30-116			

Matrix Spike Dup (B1G1902-MSD1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	58.2	9.3	0.28	ug/L	93.5	<9.3	62.3	39.2-90.6	16.4	23.6	
1,4-Dichlorobenzene	55.5	9.3	0.27	ug/L	93.5	<9.3	59.3	34.1-81.6	15.7	22.4	
2,4-Dinitrotoluene	73.0	9.3	0.42	ug/L	93.5	<9.3	78.2	41.1-110	12.8	17.2	
2-Chlorophenol	65.9	9.3	0.36	ug/L	93.5	<9.3	70.5	30-96.4	13.3	23.7	
4-Chloro-3-methylphenol	71.3	9.3	0.45	ug/L	93.5	<9.3	76.3	30-113	14.3	24.1	
4-Nitrophenol	70.3	9.3	0.73	ug/L	93.5	<9.3	75.2	30-112	10.8	34.3	
Anthracene	76.7	9.3	0.52	ug/L	93.5	<9.3	82.1	30-119	14.8	24.5	
Benzo(a)anthracene	78.3	9.3	0.47	ug/L	93.5	<9.3	83.8	30-122	12.1	27.8	
Benzo(a)pyrene	79.5	9.3	0.38	ug/L	93.5	<9.3	85.0	30-118	12.7	27.1	
Chrysene	79.6	9.3	0.57	ug/L	93.5	<9.3	85.2	30-125	11.6	28	
Fluoranthene	77.5	9.3	0.57	ug/L	93.5	<9.3	82.9	31.6-119	15.8	25.9	
Fluorene	75.4	9.3	0.49	ug/L	93.5	<9.3	80.7	40.8-107	15.0	20.6	
N-Nitrosodi-n-propylamine	68.8	9.3	0.23	ug/L	93.5	<9.3	73.6	47.2-94.8	14.1	15.8	
Pentachlorophenol	59.6	9.3	0.84	ug/L	93.5	<9.3	63.7	30-130	18.6	25.5	
Phenanthrene	78.3	9.3	0.33	ug/L	93.5	<9.3	83.8	38.2-117	13.9	19.3	
Phenol	50.6	9.3	0.38	ug/L	93.5	<9.3	54.1	30-80	8.66	31.9	
Surrogate: 2,4,6-Tribromophenol	72.7			ug/L	93.5		77.8	30-122			
Surrogate: 2-Fluorobiphenyl	71.1			ug/L	93.5		76.0	39.2-104			
Surrogate: 2-Fluorophenol	59.8			ug/L	93.5		64.0	30-80.1			
Surrogate: Nitrobenzene-d5	70.3			ug/L	93.5		75.2	51.2-103			
Surrogate: Phenol-d6	52.8			ug/L	93.5		56.5	30-75.3			
Surrogate: Terphenyl-d14	72.5			ug/L	93.5		77.6	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2105 - EPA 3545 ASE Extraction

Blank (B1G2105-BLK1)

Prepared & Analyzed: 07/21/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2105 - EPA 3545 ASE Extraction

Blank (B1G2105-BLK1)

Prepared & Analyzed: 07/21/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	3.95			mg/kg wet	6.67		59.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.14			mg/kg wet	6.67		62.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.71			mg/kg wet	6.67		55.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.16			mg/kg wet	6.67		62.4	48.9-100			
Surrogate: Phenol-d6	4.06			mg/kg wet	6.67		60.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.50			mg/kg wet	6.67		82.5	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103147
 Date Reported: 07/29/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2105 - EPA 3545 ASE Extraction

LCS (B1G2105-BS1)

Prepared & Analyzed: 07/21/11

1,2,4-Trichlorobenzene	4.17	0.33	0.031	mg/kg wet	6.67		62.5	59.1-87.7		20	
1,4-Dichlorobenzene	4.06	0.33	0.029	mg/kg wet	6.67		60.8	50.3-72.9		20	
2,4-Dinitrotoluene	5.04	0.33	0.035	mg/kg wet	6.67		75.7	59.8-82.2		20	
2-Chlorophenol	4.37	0.67	0.060	mg/kg wet	6.67		65.6	59.7-77.3		20	
4-Chloro-3-methylphenol	4.71	0.67	0.066	mg/kg wet	6.67		70.6	63.6-80.4		20	
4-Nitrophenol	5.15	0.67	0.093	mg/kg wet	6.67		77.3	57.3-84.9		20	
Anthracene	5.37	0.33	0.036	mg/kg wet	6.67		80.6	67.3-88		20	
Benzo(a)anthracene	5.28	0.33	0.041	mg/kg wet	6.67		79.2	66.5-90.5		20	
Benzo(a)pyrene	5.46	0.33	0.042	mg/kg wet	6.67		81.9	66.1-89.7		20	
Chrysene	5.37	0.33	0.044	mg/kg wet	6.67		80.5	65.5-90.5		20	
Fluoranthene	5.41	0.33	0.039	mg/kg wet	6.67		81.1	66.7-89.9		20	
Fluorene	5.21	0.33	0.035	mg/kg wet	6.67		78.1	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.84	0.33	0.033	mg/kg wet	6.67		72.6	59.4-78		20	
Pentachlorophenol	3.70	0.67	0.078	mg/kg wet	6.67		55.4	46.7-83.2		20	
Phenanthrene	5.40	0.33	0.036	mg/kg wet	6.67		81.1	67.5-87.9		20	
Phenol	4.56	0.67	0.069	mg/kg wet	6.67		68.3	59.5-76.6		20	
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.45			mg/kg wet	6.67		66.7	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.92			mg/kg wet	6.67		73.8	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.45			mg/kg wet	6.67		66.7	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.85			mg/kg wet	6.67		72.7	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.88			mg/kg wet	6.67		73.2	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.66			mg/kg wet	6.67		69.9	51-99.6			

Matrix Spike (B1G2105-MS1)

Source: 1103147-07

Prepared & Analyzed: 07/21/11

1,2,4-Trichlorobenzene	4.30	0.34	0.032	mg/kg dry	6.94	<0.34	62.0	44.8-97.9		19.6	
1,4-Dichlorobenzene	3.73	0.34	0.030	mg/kg dry	6.94	<0.34	53.7	42.3-77.9		22.4	
2,4-Dinitrotoluene	4.83	0.34	0.036	mg/kg dry	6.94	<0.34	69.6	57.3-86.6		19.5	
2-Chlorophenol	4.15	0.70	0.062	mg/kg dry	6.94	<0.70	59.8	43.3-93.2		23.7	
4-Chloro-3-methylphenol	4.78	0.70	0.069	mg/kg dry	6.94	<0.70	68.9	47.1-97.6		18.3	
4-Nitrophenol	4.67	0.70	0.097	mg/kg dry	6.94	<0.70	67.3	49.3-96.2		20.4	
Anthracene	5.36	0.34	0.038	mg/kg dry	6.94	<0.34	77.2	67.5-93.1		19.9	
Benzo(a)anthracene	5.48	0.34	0.043	mg/kg dry	6.94	<0.34	79.0	59.8-95.7		23.4	
Benzo(a)pyrene	5.63	0.34	0.044	mg/kg dry	6.94	<0.34	81.2	59.8-92.7		21.1	
Chrysene	5.63	0.34	0.046	mg/kg dry	6.94	<0.34	81.2	62.5-94.6		24.8	
Fluoranthene	5.17	0.34	0.041	mg/kg dry	6.94	<0.34	74.6	61.3-92.8		21.8	
Fluorene	4.79	0.34	0.036	mg/kg dry	6.94	<0.34	69.1	62.8-92.6		17.6	
N-Nitrosodi-n-propylamine	4.50	0.34	0.034	mg/kg dry	6.94	<0.34	64.9	46.9-89.9		18.9	
Pentachlorophenol	5.24	0.70	0.081	mg/kg dry	6.94	<0.70	75.6	40.1-95.1		19.7	
Phenanthrene	5.44	0.34	0.038	mg/kg dry	6.94	<0.34	78.4	65.2-92.2		20.5	
Phenol	3.70	0.70	0.072	mg/kg dry	6.94	<0.70	53.3	44.7-91		17.9	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2105 - EPA 3545 ASE Extraction

Matrix Spike (B1G2105-MS1)

Source: 1103147-07

Prepared & Analyzed: 07/21/11

Surrogate: 2,4,6-Tribromophenol	6.35			mg/kg dry	6.94		91.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.25			mg/kg dry	6.94		61.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.98			mg/kg dry	6.94		57.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.34			mg/kg dry	6.94		62.6	48.9-100			
Surrogate: Phenol-d6	4.44			mg/kg dry	6.94		64.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.99			mg/kg dry	6.94		72.0	51-99.6			

Matrix Spike Dup (B1G2105-MSD1)

Source: 1103147-07

Prepared & Analyzed: 07/21/11

1,2,4-Trichlorobenzene	4.27	0.34	0.032	mg/kg dry	6.94	<0.34	61.5	44.8-97.9	0.654	19.6	
1,4-Dichlorobenzene	3.77	0.34	0.030	mg/kg dry	6.94	<0.34	54.4	42.3-77.9	1.32	22.4	
2,4-Dinitrotoluene	4.61	0.34	0.036	mg/kg dry	6.94	<0.34	66.4	57.3-86.6	4.59	19.5	
2-Chlorophenol	4.11	0.70	0.062	mg/kg dry	6.94	<0.70	59.2	43.3-93.2	0.825	23.7	
4-Chloro-3-methylphenol	4.57	0.70	0.069	mg/kg dry	6.94	<0.70	65.8	47.1-97.6	4.36	18.3	
4-Nitrophenol	4.44	0.70	0.097	mg/kg dry	6.94	<0.70	63.9	49.3-96.2	5.06	20.4	
Anthracene	5.15	0.34	0.038	mg/kg dry	6.94	<0.34	74.1	67.5-93.1	3.98	19.9	
Benzo(a)anthracene	5.20	0.34	0.043	mg/kg dry	6.94	<0.34	74.9	59.8-95.7	5.14	23.4	
Benzo(a)pyrene	5.37	0.34	0.044	mg/kg dry	6.94	<0.34	77.3	59.8-92.7	4.72	21.1	
Chrysene	5.33	0.34	0.046	mg/kg dry	6.94	<0.34	76.7	62.5-94.6	5.59	24.8	
Fluoranthene	4.97	0.34	0.041	mg/kg dry	6.94	<0.34	71.6	61.3-92.8	3.86	21.8	
Fluorene	4.61	0.34	0.036	mg/kg dry	6.94	<0.34	66.4	62.8-92.6	3.89	17.6	
N-Nitrosodi-n-propylamine	4.44	0.34	0.034	mg/kg dry	6.94	<0.34	63.9	46.9-89.9	1.39	18.9	
Pentachlorophenol	5.03	0.70	0.081	mg/kg dry	6.94	<0.70	72.4	40.1-95.1	4.17	19.7	
Phenanthrene	5.21	0.34	0.038	mg/kg dry	6.94	<0.34	75.1	65.2-92.2	4.20	20.5	
Phenol	3.67	0.70	0.072	mg/kg dry	6.94	<0.70	52.8	44.7-91	0.821	17.9	
Surrogate: 2,4,6-Tribromophenol	5.99			mg/kg dry	6.94		86.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.11			mg/kg dry	6.94		59.2	53.9-97.9			
Surrogate: 2-Fluorophenol	3.92			mg/kg dry	6.94		56.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.18			mg/kg dry	6.94		60.3	48.9-100			
Surrogate: Phenol-d6	4.32			mg/kg dry	6.94		62.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.66			mg/kg dry	6.94		67.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1512 - EPA 5035 Soil (Purge and Trap)

Blank (B1G1512-BLK1)

Prepared & Analyzed: 07/15/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1512 - EPA 5035 Soil (Purge and Trap)

Blank (B1G1512-BLK1)

Prepared & Analyzed: 07/15/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	0.0765	1.0	0.058	mg/kg wet							B-02, J
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	44.4			ug/L	50.0		88.9	80-124			
Surrogate: Dibromofluoromethane	46.8			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	45.5			ug/L	50.0		91.0	78.1-125			

LCS (B1G1512-BS1)

Prepared & Analyzed: 07/15/11

1,1,2,2-Tetrachloroethane	46.0			ug/L	50.0		91.9	75-120		20	
1,1-Dichloroethane	47.6			ug/L	50.0		95.2	79.6-120		20	
1,1-Dichloroethene	42.6			ug/L	50.0		85.1	78.3-120		20	
1,3,5-Trimethylbenzene	51.1			ug/L	50.0		102	77-120		20	
1,4-Dichlorobenzene	53.5			ug/L	50.0		107	75-125		20	
2-Chlorotoluene	49.4			ug/L	50.0		98.8	75.9-120		20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1512 - EPA 5035 Soil (Purge and Trap)

LCS (B1G1512-BS1)

Prepared & Analyzed: 07/15/11

Benzene	47.4			ug/L	50.0		94.9	80-120		20	
Bromoform	52.4			ug/L	50.0		105	80-120		20	
Chlorobenzene	52.4			ug/L	50.0		105	80-120		20	
Chloroform	46.3			ug/L	50.0		92.6	80-120		20	
Ethylbenzene	51.7			ug/L	50.0		103	80-120		20	
n-Butylbenzene	62.3			ug/L	50.0		125	75-125		20	
n-Propylbenzene	51.1			ug/L	50.0		102	75-120		20	
Toluene	49.2			ug/L	50.0		98.4	80-120		20	
Trichloroethene	47.7			ug/L	50.0		95.5	80-120		20	
Vinyl chloride	44.4			ug/L	50.0		88.9	75-130		20	
Surrogate: 4-Bromofluorobenzene	48.0			ug/L	50.0		96.0	80-124			
Surrogate: Dibromofluoromethane	46.8			ug/L	50.0		93.5	77.1-123			
Surrogate: Toluene-d8	46.2			ug/L	50.0		92.3	78.1-125			

Matrix Spike (B1G1512-MS1)

Source: 1103098-01

Prepared & Analyzed: 07/15/11

1,1,2,2-Tetrachloroethane	50.6			ug/L	50.0	<	101	75-125		20	
1,1-Dichloroethane	45.3			ug/L	50.0	<	90.6	78.7-123		20	
1,1-Dichloroethene	41.5			ug/L	50.0	<	83.0	75.8-121		20	
1,3,5-Trimethylbenzene	52.2			ug/L	50.0	<	104	75-120		20	
1,4-Dichlorobenzene	53.5			ug/L	50.0	<	107	75-125		20	
2-Chlorotoluene	50.6			ug/L	50.0	<	101	75-120		20	
Benzene	47.3			ug/L	50.0	<	94.6	80-120		20	
Bromoform	49.8			ug/L	50.0	<	99.5	80-120		20	
Chlorobenzene	50.1			ug/L	50.0	<	100	80-120		20	
Chloroform	43.7			ug/L	50.0	<	87.4	80-120		20	
Ethylbenzene	49.9			ug/L	50.0	<	99.8	80-120		20	
n-Butylbenzene	61.7			ug/L	50.0	<	123	73.8-125		20	
n-Propylbenzene	53.4			ug/L	50.0	<	107	75-120		20	
Toluene	49.3			ug/L	50.0	<	98.7	80-120		20	
Trichloroethene	45.4			ug/L	50.0	<	90.9	80-120		20	
Vinyl chloride	42.8			ug/L	50.0	<	85.7	74.8-130		20	
Surrogate: 4-Bromofluorobenzene	48.4			ug/L	50.0		96.8	80-124			
Surrogate: Dibromofluoromethane	47.5			ug/L	50.0		95.0	77.1-123			
Surrogate: Toluene-d8	46.3			ug/L	50.0		92.6	78.1-125			

Matrix Spike Dup (B1G1512-MSD1)

Source: 1103098-01

Prepared & Analyzed: 07/15/11

1,1,2,2-Tetrachloroethane	49.9			ug/L	50.0	<	99.8	75-125	1.53	20	
1,1-Dichloroethane	45.4			ug/L	50.0	<	90.8	78.7-123	0.230	20	
1,1-Dichloroethene	42.4			ug/L	50.0	<	84.7	75.8-121	2.07	20	
1,3,5-Trimethylbenzene	52.1			ug/L	50.0	<	104	75-120	0.261	20	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103147
 Date Reported: 07/29/11

VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1512 - EPA 5035 Soil (Purge and Trap)

Matrix Spike Dup (B1G1512-MSD1)

Source: 1103098-01

Prepared & Analyzed: 07/15/11

1,4-Dichlorobenzene	54.2			ug/L	50.0	<	108	75-125	1.28	20	
2-Chlorotoluene	50.7			ug/L	50.0	<	101	75-120	0.0225	20	
Benzene	46.0			ug/L	50.0	<	92.1	80-120	2.74	20	
Bromoform	51.5			ug/L	50.0	<	103	80-120	3.51	20	
Chlorobenzene	51.1			ug/L	50.0	<	102	80-120	1.90	20	
Chloroform	44.1			ug/L	50.0	<	88.3	80-120	0.974	20	
Ethylbenzene	51.0			ug/L	50.0	<	102	80-120	2.19	20	
n-Butylbenzene	63.5			ug/L	50.0	<	127	73.8-125	2.91	20	M1
n-Propylbenzene	53.2			ug/L	50.0	<	106	75-120	0.410	20	
Toluene	48.0			ug/L	50.0	<	96.0	80-120	2.75	20	
Trichloroethene	45.5			ug/L	50.0	<	91.1	80-120	0.224	20	
Vinyl chloride	43.9			ug/L	50.0	<	87.8	74.8-130	2.48	20	
Surrogate: 4-Bromofluorobenzene	47.2			ug/L	50.0		94.5	80-124			
Surrogate: Dibromofluoromethane	46.2			ug/L	50.0		92.4	77.1-123			
Surrogate: Toluene-d8	45.4			ug/L	50.0		90.8	78.1-125			

Batch B1G2013 - EPA 5030 Water (Purge and Trap)

Blank (B1G2013-BLK1)

Prepared & Analyzed: 07/20/11

1,1,1,2-Tetrachloroethane	< 0.29	1.0	0.29	ug/L							
1,1,1-Trichloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2,2-Tetrachloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2-Trichloroethane	< 0.19	1.0	0.19	ug/L							
1,1,2-Trichlorotrifluoroethane	< 0.25	1.0	0.25	ug/L							
1,1-Dichloroethane	< 0.15	1.0	0.15	ug/L							
1,1-Dichloroethane	< 0.24	1.0	0.24	ug/L							
1,1-Dichloropropene	< 0.14	1.0	0.14	ug/L							
1,2,3-Trichlorobenzene	< 0.35	5.0	0.35	ug/L							
1,2,3-Trichloropropane	< 0.22	2.5	0.22	ug/L							
1,2,4-Trichlorobenzene	< 0.30	5.0	0.30	ug/L							
1,2,4-Trimethylbenzene	< 0.072	1.0	0.072	ug/L							
1,2-Dibromo-3-chloropropane	< 0.40	5.0	0.40	ug/L							
1,2-Dibromoethane (EDB)	< 0.15	2.5	0.15	ug/L							
1,2-Dichlorobenzene	< 0.12	1.0	0.12	ug/L							
1,2-Dichloroethane	< 0.26	1.0	0.26	ug/L							
1,2-Dichloropropane	< 0.19	1.0	0.19	ug/L							
1,3,5-Trimethylbenzene	< 0.11	1.0	0.11	ug/L							
1,3-Dichlorobenzene	< 0.15	1.0	0.15	ug/L							
1,3-Dichloropropane	< 0.16	1.0	0.16	ug/L							
1,4-Dichlorobenzene	< 0.081	1.0	0.081	ug/L							
2,2-Dichloropropane	< 0.66	5.0	0.66	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2013 - EPA 5030 Water (Purge and Trap)

Blank (B1G2013-BLK1)

Prepared & Analyzed: 07/20/11

2-Butanone	< 0.65	20	0.65	ug/L							
2-Chlorotoluene	< 0.081	1.0	0.081	ug/L							
4-Chlorotoluene	< 0.11	1.0	0.11	ug/L							
Acetone	< 3.8	20	3.8	ug/L							
Allyl chloride	< 0.51	5.0	0.51	ug/L							
Benzene	< 0.071	1.0	0.071	ug/L							
Bromobenzene	< 0.082	1.0	0.082	ug/L							
Bromochloromethane	< 0.20	1.0	0.20	ug/L							
Bromodichloromethane	< 0.23	1.0	0.23	ug/L							
Bromoform	< 0.26	5.0	0.26	ug/L							
Bromomethane	< 0.32	5.0	0.32	ug/L							
Carbon tetrachloride	< 0.15	1.0	0.15	ug/L							
Chlorobenzene	< 0.20	1.0	0.20	ug/L							
Chloroethane	< 0.27	2.5	0.27	ug/L							
Chloroform	< 0.15	1.0	0.15	ug/L							
Chloromethane	< 0.24	2.5	0.24	ug/L							
cis-1,2-Dichloroethene	< 0.12	1.0	0.12	ug/L							
cis-1,3-Dichloropropene	< 0.18	1.0	0.18	ug/L							
Dibromochloromethane	< 0.26	2.5	0.26	ug/L							
Dibromomethane	< 0.24	2.5	0.24	ug/L							
Dichlorodifluoromethane	< 0.25	5.0	0.25	ug/L							
Dichlorofluoromethane	< 0.21	1.0	0.21	ug/L							
Ethyl ether	< 0.27	5.0	0.27	ug/L							
Ethylbenzene	< 0.28	1.0	0.28	ug/L							
Hexachlorobutadiene	< 0.42	10	0.42	ug/L							
Isopropylbenzene	< 0.12	1.0	0.12	ug/L							
m,p-Xylene	< 0.57	2.0	0.57	ug/L							
Methyl isobutyl ketone	< 0.40	5.0	0.40	ug/L							
Methyl tert-butyl ether	< 0.16	1.0	0.16	ug/L							
Methylene chloride	< 0.85	5.0	0.85	ug/L							
Naphthalene	< 0.30	5.0	0.30	ug/L							
n-Butylbenzene	< 0.15	2.5	0.15	ug/L							
n-Propylbenzene	< 0.094	1.0	0.094	ug/L							
o-Xylene	< 0.19	1.0	0.19	ug/L							
p-Isopropyltoluene	< 0.14	2.5	0.14	ug/L							
sec-Butylbenzene	< 0.11	1.0	0.11	ug/L							
Styrene	< 0.21	1.0	0.21	ug/L							
tert-Butylbenzene	< 0.091	1.0	0.091	ug/L							
Tetrachloroethene	< 0.28	1.0	0.28	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2013 - EPA 5030 Water (Purge and Trap)

Blank (B1G2013-BLK1)

Prepared & Analyzed: 07/20/11

Tetrahydrofuran	< 0.75	20	0.75	ug/L							
Toluene	< 0.10	1.0	0.10	ug/L							
trans-1,2-Dichloroethene	< 0.056	1.0	0.056	ug/L							
trans-1,3-Dichloropropene	< 0.14	1.0	0.14	ug/L							
Trichloroethene	< 0.18	1.0	0.18	ug/L							
Trichlorofluoromethane	< 0.29	1.0	0.29	ug/L							
Vinyl chloride	< 0.21	1.0	0.21	ug/L							
Surrogate: 4-Bromofluorobenzene	50.4			ug/L	50.0		101	80-121			
Surrogate: Dibromofluoromethane	52.9			ug/L	50.0		106	79.9-121			
Surrogate: Toluene-d8	50.8			ug/L	50.0		102	80-120			

LCS (B1G2013-BS1)

Prepared & Analyzed: 07/20/11

1,1,1,2-Tetrachloroethane	49.6	1.0	0.16	ug/L	50.0		99.3	80-121		20	
1,1-Dichloroethane	51.0	1.0	0.15	ug/L	50.0		102	80-125		20	
1,1-Dichloroethene	40.4	1.0	0.24	ug/L	50.0		80.8	80-125		20	
1,3,5-Trimethylbenzene	48.1	1.0	0.11	ug/L	50.0		96.2	75.4-125		20	
1,4-Dichlorobenzene	48.9	1.0	0.081	ug/L	50.0		97.9	75-125		20	
2-Chlorotoluene	47.2	1.0	0.081	ug/L	50.0		94.4	75.4-125		20	
Benzene	50.5	1.0	0.071	ug/L	50.0		101	80-120		20	
Bromoform	49.2	5.0	0.26	ug/L	50.0		98.5	80-120		20	
Chlorobenzene	51.3	1.0	0.20	ug/L	50.0		103	80-120		20	
Chloroform	49.2	1.0	0.15	ug/L	50.0		98.3	80-123		20	
Ethylbenzene	50.6	1.0	0.28	ug/L	50.0		101	80-120		20	
n-Butylbenzene	57.6	2.5	0.15	ug/L	50.0		115	75-125		20	
n-Propylbenzene	49.9	1.0	0.094	ug/L	50.0		99.8	75.8-125		20	
Toluene	52.1	1.0	0.10	ug/L	50.0		104	80-120		20	
Trichloroethene	48.9	1.0	0.18	ug/L	50.0		97.8	80-120		20	
Vinyl chloride	50.4	1.0	0.21	ug/L	50.0		101	75-130		20	
Surrogate: 4-Bromofluorobenzene	53.0			ug/L	50.0		106	80-121			
Surrogate: Dibromofluoromethane	52.6			ug/L	50.0		105	79.9-121			
Surrogate: Toluene-d8	51.7			ug/L	50.0		103	80-120			

Matrix Spike (B1G2013-MS1)

Source: 1103187-01

Prepared & Analyzed: 07/20/11

1,1,1,2-Tetrachloroethane	51.8	1.0	0.16	ug/L	50.0	<1.0	104	76.8-125		20	
1,1-Dichloroethane	50.9	1.0	0.15	ug/L	50.0	<1.0	102	80-125		20	
1,1-Dichloroethene	40.6	1.0	0.24	ug/L	50.0	<1.0	81.3	80-125		20	
1,3,5-Trimethylbenzene	50.7	1.0	0.11	ug/L	50.0	<1.0	101	75-125		20	
1,4-Dichlorobenzene	50.4	1.0	0.081	ug/L	50.0	<1.0	101	75-125		20	
2-Chlorotoluene	48.9	1.0	0.081	ug/L	50.0	<1.0	97.8	75-125		20	
Benzene	51.1	1.0	0.071	ug/L	50.0	<1.0	102	80-120		20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2013 - EPA 5030 Water (Purge and Trap)

Matrix Spike (B1G2013-MS1)

Source: 1103187-01

Prepared & Analyzed: 07/20/11

Bromoform	51.0	5.0	0.26	ug/L	50.0	<5.0	102	80-120		20	
Chlorobenzene	53.0	1.0	0.20	ug/L	50.0	<1.0	106	80-120		20	
Chloroform	57.1	1.0	0.15	ug/L	50.0	7.88	98.4	79.8-125		20	
Ethylbenzene	52.9	1.0	0.28	ug/L	50.0	<1.0	106	80-120		20	
n-Butylbenzene	60.2	2.5	0.15	ug/L	50.0	<2.5	120	75-130		20	
n-Propylbenzene	51.8	1.0	0.094	ug/L	50.0	<1.0	104	75-125		20	
Toluene	53.5	1.0	0.10	ug/L	50.0	<1.0	107	80-120		20	
Trichloroethene	50.1	1.0	0.18	ug/L	50.0	<1.0	98.6	80-120		20	
Vinyl chloride	48.4	1.0	0.21	ug/L	50.0	<1.0	96.8	75-130		20	
Surrogate: 4-Bromofluorobenzene	54.0			ug/L	50.0		108	80-121			
Surrogate: Dibromofluoromethane	52.4			ug/L	50.0		105	79.9-121			
Surrogate: Toluene-d8	51.5			ug/L	50.0		103	80-120			

Matrix Spike Dup (B1G2013-MSD1)

Source: 1103187-01

Prepared & Analyzed: 07/20/11

1,1,2,2-Tetrachloroethane	51.7	1.0	0.16	ug/L	50.0	<1.0	103	76.8-125	0.222	20	
1,1-Dichloroethane	53.5	1.0	0.15	ug/L	50.0	<1.0	107	80-125	4.91	20	
1,1-Dichloroethene	44.7	1.0	0.24	ug/L	50.0	<1.0	89.3	80-125	9.45	20	
1,3,5-Trimethylbenzene	50.3	1.0	0.11	ug/L	50.0	<1.0	101	75-125	0.950	20	
1,4-Dichlorobenzene	49.9	1.0	0.081	ug/L	50.0	<1.0	99.7	75-125	1.03	20	
2-Chlorotoluene	48.2	1.0	0.081	ug/L	50.0	<1.0	96.3	75-125	1.52	20	
Benzene	51.8	1.0	0.071	ug/L	50.0	<1.0	104	80-120	1.37	20	
Bromoform	49.4	5.0	0.26	ug/L	50.0	<5.0	98.7	80-120	3.14	20	
Chlorobenzene	51.6	1.0	0.20	ug/L	50.0	<1.0	103	80-120	2.74	20	
Chloroform	58.2	1.0	0.15	ug/L	50.0	7.88	101	79.8-125	1.91	20	
Ethylbenzene	50.4	1.0	0.28	ug/L	50.0	<1.0	101	80-120	4.82	20	
n-Butylbenzene	60.8	2.5	0.15	ug/L	50.0	<2.5	122	75-130	0.893	20	
n-Propylbenzene	51.7	1.0	0.094	ug/L	50.0	<1.0	103	75-125	0.0352	20	
Toluene	53.6	1.0	0.10	ug/L	50.0	<1.0	107	80-120	0.135	20	
Trichloroethene	49.8	1.0	0.18	ug/L	50.0	<1.0	98.1	80-120	0.492	20	
Vinyl chloride	49.0	1.0	0.21	ug/L	50.0	<1.0	97.9	75-130	1.15	20	
Surrogate: 4-Bromofluorobenzene	52.8			ug/L	50.0		106	80-121			
Surrogate: Dibromofluoromethane	51.6			ug/L	50.0		103	79.9-121			
Surrogate: Toluene-d8	52.0			ug/L	50.0		104	80-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2710 - General Prep											
Duplicate (B1G2710-DUP1)		Source: 1103147-07					Prepared & Analyzed: 07/27/11				
Flashpoint	>140			°F		>140				5	
Reference (B1G2710-SRM1)											
Flashpoint	78.0			°F	78.0		100	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103147 Date Reported: 07/29/11
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Notes and Definitions

- W-03 The initial sample weight was less than 8.0 grams.
- M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
- M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- B-02 Target analyte was present in the method blank between the MDL and RL.
- B-01 Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

BARR 1163147

Project Number: 2315-1092-00 4881 810
 Project Name: Wmarr East - ABC Line
 Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 36482

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Number of Containers/Preservative										COC	of				
						Water	Soil	Grab	OC	Water					Soil									
									VOCs (HCl) #1	SVOCS (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers		
1. 217A-T14	1	1	ft	07/19/2011	1400	X	X	X															5	Analyze SVOCS & PCRA METALS
2. 217A-T13	0.5	0.5	ft		1430	X	X	X															3	Analyze SVOCS, VOCs & PCRA METALS
3. 217A-T12	1	1	ft		1500	X	X	X															2	Analyze VOCs
4. M-1	-	-	-		-	X	X	X															3	Analyze PCRA METALS + SVOCS
5. 217A-T11	0.5	0.5	ft		1530	X	X	X															5	Analyze PCRA METALS, SVOCS + VOCs
6. FB-217A-T12-B1	-	-	-		1615	X	X	X															4	Analyze SVOCS, PCRA METALS, FLASHPT
7. 209A-T11	0.5	0.5	ft		1645	X	X	X															2	Analyze FLASHPT
8. M-2	-	-	-		-	X	X	X															1	Analyze VOC
9. Trip Blank	-	-	-		-	X	X	X															1	Analyze VOC
10.																								

Relinquished By: David Schryver Date: 7/14/11 Time: 0600
 Relinquished By: _____ Date: _____ Time: _____

Received by: [Signature] Date: 7/14/11 Time: 9:45

Air Bill Number: _____

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

embassy seals, RR 5.5



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
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July 29, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103159
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 07/15/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of the original report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
U-SanC5-1	1103159-01	Soil	07/15/11 07:30	07/15/11 11:00
U-PB7-1	1103159-02	Soil	07/15/11 08:00	07/15/11 11:00
U-PB6-1	1103159-03	Soil	07/15/11 08:30	07/15/11 11:00
U-SanB6-1	1103159-04	Soil	07/15/11 09:00	07/15/11 11:00

Shipping Container Information

Default Cooler	Temperature (°C): 7.4	
Received on ice: Yes	Temperature blank was present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: No		

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Recoveries for the 8270 surrogates terphenyl-d14 in sample U-SanC5-1 and 2-fluorobiphenyl in sample U-PB6-1 were below laboratory limits.

Recoveries for b-BHC, d-BHC, 4,4'-DDE and 4,4'-DDD were above the method acceptance limits and recoveries for 4,4'-DDT, and methoxychlor were below the method acceptance limits in the ending 8081A continuing calibration verification standard (CCVS). However, following calibration evaluation procedures per EPA 8000B, the average % difference for all analytes was within the method limit, verifying the calibration. The specific analytes are flagged as required.

Recovery for 4,4'-DDT was above laboratory acceptance limits in the 8081A batch B1G2201 MSD but within limits in the LCS and MS. The source sample was not associated with this work order.

Recovery for mercury in the MS/MSD samples for batch B1G2605 were below the laboratory control limits. The LCS/LCSD samples and corresponding RPDs were within limits. The MS/MSD source sample was not associated with this work order.

This report was revised on July 29, 2011 to include the RCRA ICP metal results.

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103159
Date Reported: 07/29/11

TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-1 (1103159-01) Soil Sampled: 07/15/11 07:30 Received: 07/15/11 11:00										
Arsenic	3.5	0.59	0.065	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Barium	86	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	1.1	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	21	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	64	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	100	12	2.2	mg/kg dry	100	B1G2605	07/26/11	07/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Silver	5.9	0.29	0.019	mg/kg dry	1	"	"	"	"	
U-PB7-1 (1103159-02) Soil Sampled: 07/15/11 08:00 Received: 07/15/11 11:00										
Arsenic	2.6	0.65	0.071	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Barium	120	1.3	0.078	mg/kg dry	1	"	"	"	"	
Cadmium	0.62	0.32	0.043	mg/kg dry	1	"	"	"	"	
Chromium	36	0.65	0.016	mg/kg dry	1	"	"	"	"	
Lead	66	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	7.0	1.3	0.25	mg/kg dry	10	B1G2605	07/26/11	07/28/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Silver	<0.32	0.32	0.021	mg/kg dry	1	"	"	"	"	
U-PB6-1 (1103159-03) Soil Sampled: 07/15/11 08:30 Received: 07/15/11 11:00										
Arsenic	2.2	1.1	0.12	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Barium	56	2.3	0.14	mg/kg dry	1	"	"	"	"	
Cadmium	0.66	0.57	0.075	mg/kg dry	1	"	"	"	"	
Chromium	15	1.1	0.027	mg/kg dry	1	"	"	"	"	
Lead	290	2.3	0.32	mg/kg dry	1	"	"	"	"	
Mercury	3.7	0.43	0.082	mg/kg dry	2	B1G2605	07/26/11	07/28/11	EPA 7471A	
Selenium	<2.3	2.3	0.22	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Silver	<0.57	0.57	0.036	mg/kg dry	1	"	"	"	"	
U-SanB6-1 (1103159-04) Soil Sampled: 07/15/11 09:00 Received: 07/15/11 11:00										
Arsenic	18	0.85	0.093	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Barium	110	1.7	0.10	mg/kg dry	1	"	"	"	"	
Cadmium	2.0	0.42	0.056	mg/kg dry	1	"	"	"	"	
Chromium	34	0.85	0.020	mg/kg dry	1	"	"	"	"	
Lead	110	1.7	0.24	mg/kg dry	1	"	"	"	"	
Mercury	14	3.2	0.61	mg/kg dry	20	B1G2605	07/26/11	07/28/11	EPA 7471A	
Selenium	2.0	1.7	0.16	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Silver	2.4	0.42	0.027	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-1 (1103159-01) Soil Sampled: 07/15/11 07:30 Received: 07/15/11 11:00										
Aroclor 1016	<0.24	0.24	0.0093	mg/kg dry	1	B1G2202	07/22/11	07/23/11	EPA 8082	
Aroclor 1221	<0.24	0.24	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.24	0.24	0.027	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.24	0.24	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.24	0.24	0.047	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.24	0.24	0.047	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.24	0.24	0.0069	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	95.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	97.0			60.9-138 %		"	"	"	"	
U-PB7-1 (1103159-02) Soil Sampled: 07/15/11 08:00 Received: 07/15/11 11:00										
Aroclor 1016	<0.26	0.26	0.010	mg/kg dry	1	B1G2202	07/22/11	07/23/11	EPA 8082	
Aroclor 1221	<0.26	0.26	0.026	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.26	0.26	0.030	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.26	0.26	0.013	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.26	0.26	0.052	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.26	0.26	0.052	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.26	0.26	0.0077	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	114			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	93.5			60.9-138 %		"	"	"	"	
U-PB6-1 (1103159-03) Soil Sampled: 07/15/11 08:30 Received: 07/15/11 11:00										
Aroclor 1016	<0.45	0.45	0.018	mg/kg dry	1	B1G2202	07/22/11	07/23/11	EPA 8082	
Aroclor 1221	<0.45	0.45	0.045	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.45	0.45	0.052	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.45	0.45	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.45	0.45	0.091	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.45	0.45	0.091	mg/kg dry	1	"	"	"	"	
Aroclor 1260	2.1	0.45	0.013	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	84.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	86.5			60.9-138 %		"	"	"	"	
U-SanB6-1 (1103159-04) Soil Sampled: 07/15/11 09:00 Received: 07/15/11 11:00										
Aroclor 1016	<0.34	0.34	0.013	mg/kg dry	1	B1G2202	07/22/11	07/23/11	EPA 8082	
Aroclor 1221	<0.34	0.34	0.034	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.34	0.34	0.039	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.34	0.34	0.017	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.34	0.34	0.068	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.34	0.34	0.068	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.34	0.34	0.010	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	98.0			65.3-143 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanB6-1 (1103159-04) Soil Sampled: 07/15/11 09:00 Received: 07/15/11 11:00										
Surrogate: Tetrachloro-meta-xylene	95.0			60.9-138 %		B1G2202	07/22/11	07/23/11	EPA 8082	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-1 (1103159-01) Soil Sampled: 07/15/11 07:30 Received: 07/15/11 11:00										
% Solids	85			%	1	B1G1922	07/19/11	07/20/11	% calculation	
U-PB7-1 (1103159-02) Soil Sampled: 07/15/11 08:00 Received: 07/15/11 11:00										
% Solids	77			%	1	B1G1922	07/19/11	07/20/11	% calculation	
U-PB6-1 (1103159-03) Soil Sampled: 07/15/11 08:30 Received: 07/15/11 11:00										
% Solids	44			%	1	B1G1922	07/19/11	07/20/11	% calculation	
U-SanB6-1 (1103159-04) Soil Sampled: 07/15/11 09:00 Received: 07/15/11 11:00										
% Solids	59			%	1	B1G1922	07/19/11	07/20/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-1 (1103159-01) Soil Sampled: 07/15/11 07:30 Received: 07/15/11 11:00										
4,4'-DDD	<0.047	0.047	0.0024	mg/kg dry	1	B1G2201	07/22/11	07/23/11	EPA 8081A	V7
4,4'-DDE	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	V7
4,4'-DDT	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	V8
Aldrin	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.047	0.047	0.0026	mg/kg dry	1	"	"	"	"	V7
delta-BHC	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	V7
Dieldrin	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.047	0.047	0.0026	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	
Endrin	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.047	0.047	0.0016	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	V8
Toxaphene	<0.094	0.094	0.019	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	128			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	114			65.2-135 %		"	"	"	"	

U-PB7-1 (1103159-02) Soil Sampled: 07/15/11 08:00 Received: 07/15/11 11:00										
4,4'-DDD	<0.052	0.052	0.0026	mg/kg dry	1	B1G2201	07/22/11	07/23/11	EPA 8081A	V7
4,4'-DDE	<0.052	0.052	0.0026	mg/kg dry	1	"	"	"	"	V7
4,4'-DDT	<0.052	0.052	0.0026	mg/kg dry	1	"	"	"	"	V8
Aldrin	<0.052	0.052	0.0027	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.052	0.052	0.0026	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.052	0.052	0.0026	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.052	0.052	0.0029	mg/kg dry	1	"	"	"	"	V7
delta-BHC	<0.052	0.052	0.0026	mg/kg dry	1	"	"	"	"	V7
Dieldrin	<0.052	0.052	0.0026	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.052	0.052	0.0029	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.052	0.052	0.0027	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.052	0.052	0.0027	mg/kg dry	1	"	"	"	"	
Endrin	<0.052	0.052	0.0026	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.052	0.052	0.0018	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.052	0.052	0.0027	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB7-1 (1103159-02) Soil Sampled: 07/15/11 08:00 Received: 07/15/11 11:00										
gamma-BHC (Lindane)	<0.052	0.052	0.0027	mg/kg dry	1	B1G2201	07/22/11	07/23/11	EPA 8081A	
gamma-Chlordane	<0.052	0.052	0.0027	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.052	0.052	0.0027	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.052	0.052	0.0026	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.052	0.052	0.0027	mg/kg dry	1	"	"	"	"	V8
Toxaphene	<0.10	0.10	0.021	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	88.0			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	109			65.2-135 %		"	"	"	"	

U-PB6-1 (1103159-03) Soil Sampled: 07/15/11 08:30 Received: 07/15/11 11:00										
4,4'-DDD	<0.091	0.091	0.0045	mg/kg dry	1	B1G2201	07/22/11	07/23/11	EPA 8081A	V7
4,4'-DDE	<0.091	0.091	0.0045	mg/kg dry	1	"	"	"	"	V7
4,4'-DDT	<0.091	0.091	0.0045	mg/kg dry	1	"	"	"	"	V8
Aldrin	<0.091	0.091	0.0048	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.091	0.091	0.0045	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.091	0.091	0.0045	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.091	0.091	0.0050	mg/kg dry	1	"	"	"	"	V7
delta-BHC	<0.091	0.091	0.0045	mg/kg dry	1	"	"	"	"	V7
Dieldrin	<0.091	0.091	0.0045	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.091	0.091	0.0050	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.091	0.091	0.0048	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.091	0.091	0.0048	mg/kg dry	1	"	"	"	"	
Endrin	<0.091	0.091	0.0045	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.091	0.091	0.0032	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.091	0.091	0.0048	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.091	0.091	0.0048	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.091	0.091	0.0048	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.091	0.091	0.0048	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.091	0.091	0.0045	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.091	0.091	0.0048	mg/kg dry	1	"	"	"	"	V8
Toxaphene	<0.18	0.18	0.036	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	94.5			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	104			65.2-135 %		"	"	"	"	

U-SanB6-1 (1103159-04) Soil Sampled: 07/15/11 09:00 Received: 07/15/11 11:00										
4,4'-DDD	<0.068	0.068	0.0034	mg/kg dry	1	B1G2201	07/22/11	07/23/11	EPA 8081A	V7
4,4'-DDE	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	V7
4,4'-DDT	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	V8
Aldrin	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanB6-1 (1103159-04) Soil Sampled: 07/15/11 09:00 Received: 07/15/11 11:00										
alpha-Chlordane	<0.068	0.068	0.0034	mg/kg dry	1	B1G2201	07/22/11	07/23/11	EPA 8081A	
beta-BHC	<0.068	0.068	0.0037	mg/kg dry	1	"	"	"	"	V7
delta-BHC	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	V7
Dieldrin	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.068	0.068	0.0037	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	
Endrin	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.068	0.068	0.0024	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	V8
Toxaphene	<0.14	0.14	0.027	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	99.5			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	112			65.2-135 %		"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103159
 Date Reported: 07/29/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-1 (1103159-01) Soil Sampled: 07/15/11 07:30 Received: 07/15/11 11:00										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1G2105	07/21/11	07/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	0.047	0.39	0.042	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.13	0.39	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.14	0.39	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.22	0.39	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.092	0.39	0.051	mg/kg dry	1	"	"	"	"	J

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-1 (1103159-01) Soil Sampled: 07/15/11 07:30 Received: 07/15/11 11:00										
Benzo(k)fluoranthene	0.088	0.39	0.056	mg/kg dry	1	B1G2105	07/21/11	07/21/11	EPA 8270C	J
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	0.17	0.39	0.056	mg/kg dry	1	"	"	"	"	J
Butyl benzyl phthalate	0.16	0.39	0.049	mg/kg dry	1	"	"	"	"	J
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	0.14	0.39	0.052	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.085	0.39	0.052	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.23	0.39	0.046	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.10	0.39	0.047	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.14	0.39	0.042	mg/kg dry	1	"	"	"	"	J
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	0.19	0.39	0.048	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	74.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	54.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	53.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	55.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	59.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	50.4			51-99.6 %		"	"	"	"	S-GC

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB7-1 (1103159-02) Soil Sampled: 07/15/11 08:00 Received: 07/15/11 11:00										
1,2,4-Trichlorobenzene	<0.040	0.43	0.040	mg/kg dry	1	B1G2105	07/21/11	07/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.040	0.43	0.040	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.038	0.43	0.038	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.10	0.87	0.10	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.048	0.87	0.048	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.87	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.097	0.87	0.097	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.87	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.042	0.87	0.042	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.090	0.87	0.090	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.051	0.43	0.051	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.044	0.43	0.044	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.078	0.87	0.078	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.044	0.87	0.044	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.049	0.43	0.049	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.87	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	0.14	0.87	0.042	mg/kg dry	1	"	"	"	"	J
3,3'-Dichlorobenzidine	<0.19	2.1	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.035	0.43	0.035	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.044	0.87	0.044	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.086	0.87	0.086	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.035	0.87	0.035	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.044	0.43	0.044	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.87	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.049	0.43	0.049	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.053	0.43	0.053	mg/kg dry	1	"	"	"	"	
Aniline	<0.040	0.87	0.040	mg/kg dry	1	"	"	"	"	
Anthracene	0.084	0.43	0.047	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.25	3.2	0.25	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.34	0.43	0.053	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.36	0.43	0.055	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.54	0.43	0.056	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.16	0.43	0.056	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB7-1 (1103159-02) Soil Sampled: 07/15/11 08:00 Received: 07/15/11 11:00										
Benzo(k)fluoranthene	0.20	0.43	0.062	mg/kg dry	1	B1G2105	07/21/11	07/21/11	EPA 8270C	J
Benzoic acid	0.41	0.43	0.031	mg/kg dry	1	"	"	"	"	J
Benzyl alcohol	<0.12	0.87	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.044	0.43	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.044	0.43	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.062	0.43	0.062	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.055	0.43	0.055	mg/kg dry	1	"	"	"	"	
Carbazole	0.066	0.43	0.045	mg/kg dry	1	"	"	"	"	J
Chrysene	0.40	0.43	0.057	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.056	0.43	0.056	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.040	0.43	0.040	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.057	0.43	0.057	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.062	0.43	0.062	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.77	0.43	0.051	mg/kg dry	1	"	"	"	"	
Fluorene	<0.045	0.43	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.047	0.43	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.031	0.43	0.031	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.039	0.43	0.039	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.20	0.43	0.052	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.040	0.43	0.040	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.029	0.43	0.029	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.043	0.43	0.043	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.034	0.43	0.034	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.10	0.87	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.40	0.43	0.047	mg/kg dry	1	"	"	"	"	J
Phenol	<0.090	0.87	0.090	mg/kg dry	1	"	"	"	"	
Pyrene	0.67	0.43	0.053	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	106			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB6-1 (1103159-03) Soil Sampled: 07/15/11 08:30 Received: 07/15/11 11:00										
1,2,4-Trichlorobenzene	<0.070	0.75	0.070	mg/kg dry	1	B1G2105	07/21/11	07/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.075	0.75	0.075	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.082	0.75	0.082	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.070	0.75	0.070	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.066	0.75	0.066	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.18	1.5	0.18	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.084	1.5	0.084	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.18	1.5	0.18	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.17	1.5	0.17	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.18	1.5	0.18	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.073	1.5	0.073	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.080	0.75	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.16	1.5	0.16	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.089	0.75	0.089	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.077	0.75	0.077	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.14	1.5	0.14	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.16	0.75	0.082	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.077	1.5	0.077	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.086	0.75	0.086	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.19	1.5	0.19	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	0.40	1.5	0.073	mg/kg dry	1	"	"	"	"	J
3,3'-Dichlorobenzidine	<0.34	3.6	0.34	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.061	0.75	0.061	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.077	1.5	0.077	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.075	0.75	0.075	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.15	1.5	0.15	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.061	1.5	0.061	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.082	0.75	0.082	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.077	0.75	0.077	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.21	1.5	0.21	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.47	0.75	0.086	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.093	0.75	0.093	mg/kg dry	1	"	"	"	"	
Aniline	<0.070	1.5	0.070	mg/kg dry	1	"	"	"	"	
Anthracene	2.5	0.75	0.082	mg/kg dry	1	"	"	"	"	
Benzidine	<0.43	5.7	0.43	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	3.4	0.75	0.093	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	2.7	0.75	0.095	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	3.3	0.75	0.098	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.94	0.75	0.098	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB6-1 (1103159-03) Soil Sampled: 07/15/11 08:30 Received: 07/15/11 11:00										
Benzo(k)fluoranthene	1.5	0.75	0.11	mg/kg dry	1	B1G2105	07/21/11	07/21/11	EPA 8270C	
Benzoic acid	0.97	0.75	0.055	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.22	1.5	0.22	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.077	0.75	0.077	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.080	0.75	0.080	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.077	0.75	0.077	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.095	0.75	0.095	mg/kg dry	1	"	"	"	"	
Carbazole	0.62	0.75	0.080	mg/kg dry	1	"	"	"	"	J
Chrysene	3.3	0.75	0.10	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.36	0.75	0.098	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.28	0.75	0.075	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.070	0.75	0.070	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.068	0.75	0.068	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Fluoranthene	7.1	0.75	0.089	mg/kg dry	1	"	"	"	"	
Fluorene	0.68	0.75	0.080	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.082	0.75	0.082	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.068	0.75	0.068	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.055	0.75	0.055	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.068	0.75	0.068	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	1.2	0.75	0.091	mg/kg dry	1	"	"	"	"	
Isophorone	<0.070	0.75	0.070	mg/kg dry	1	"	"	"	"	
Naphthalene	0.18	0.75	0.075	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.075	0.75	0.075	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.050	0.75	0.050	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.075	0.75	0.075	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.059	0.75	0.059	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.18	1.5	0.18	mg/kg dry	1	"	"	"	"	
Phenanthrene	5.6	0.75	0.082	mg/kg dry	1	"	"	"	"	
Phenol	<0.16	1.5	0.16	mg/kg dry	1	"	"	"	"	
Pyrene	6.1	0.75	0.093	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	50.5			53.9-97.9 %		"	"	"	"	S-GC
Surrogate: 2-Fluorophenol	59.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	60.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	57.9			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanB6-1 (1103159-04) Soil Sampled: 07/15/11 09:00 Received: 07/15/11 11:00										
1,2,4-Trichlorobenzene	<0.053	0.56	0.053	mg/kg dry	1	B1G2105	07/21/11	07/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.056	0.56	0.056	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.061	0.56	0.061	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.053	0.56	0.053	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.049	0.56	0.049	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.13	1.1	0.13	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.063	1.1	0.063	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.14	1.1	0.14	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.13	1.1	0.13	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.14	1.1	0.14	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.054	1.1	0.054	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.059	0.56	0.059	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.12	1.1	0.12	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.066	0.56	0.066	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.058	0.56	0.058	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.10	1.1	0.10	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.065	0.56	0.061	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.058	1.1	0.058	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.064	0.56	0.064	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.14	1.1	0.14	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.054	1.1	0.054	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.25	2.7	0.25	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.046	0.56	0.046	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.058	1.1	0.058	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.056	0.56	0.056	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.11	1.1	0.11	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.046	1.1	0.046	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.061	0.56	0.061	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.058	0.56	0.058	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.16	1.1	0.16	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.20	0.56	0.064	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.069	0.56	0.069	mg/kg dry	1	"	"	"	"	
Aniline	<0.053	1.1	0.053	mg/kg dry	1	"	"	"	"	
Anthracene	0.52	0.56	0.061	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.32	4.2	0.32	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.93	0.56	0.069	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.90	0.56	0.071	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	1.3	0.56	0.073	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.32	0.56	0.073	mg/kg dry	1	"	"	"	"	J

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanB6-1 (1103159-04) Soil Sampled: 07/15/11 09:00 Received: 07/15/11 11:00										
Benzo(k)fluoranthene	0.52	0.56	0.081	mg/kg dry	1	B1G2105	07/21/11	07/21/11	EPA 8270C	J
Benzoic acid	0.57	0.56	0.041	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.16	1.1	0.16	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.058	0.56	0.058	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.059	0.56	0.059	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.058	0.56	0.058	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	0.30	0.56	0.081	mg/kg dry	1	"	"	"	"	J
Butyl benzyl phthalate	<0.071	0.56	0.071	mg/kg dry	1	"	"	"	"	
Carbazole	0.24	0.56	0.059	mg/kg dry	1	"	"	"	"	J
Chrysene	0.98	0.56	0.075	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.11	0.56	0.073	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.12	0.56	0.056	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.053	0.56	0.053	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.051	0.56	0.051	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.57	0.56	0.075	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.081	0.56	0.081	mg/kg dry	1	"	"	"	"	
Fluoranthene	1.9	0.56	0.066	mg/kg dry	1	"	"	"	"	
Fluorene	0.22	0.56	0.059	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.061	0.56	0.061	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.051	0.56	0.051	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.041	0.56	0.041	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.051	0.56	0.051	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.39	0.56	0.068	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.053	0.56	0.053	mg/kg dry	1	"	"	"	"	
Naphthalene	0.085	0.56	0.056	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.056	0.56	0.056	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.037	0.56	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.056	0.56	0.056	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.044	0.56	0.044	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.13	1.1	0.13	mg/kg dry	1	"	"	"	"	
Phenanthrene	1.7	0.56	0.061	mg/kg dry	1	"	"	"	"	
Phenol	<0.12	1.1	0.12	mg/kg dry	1	"	"	"	"	
Pyrene	1.5	0.56	0.069	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	107			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	72.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	75.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	78.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	71.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-1 (1103159-01) Soil Sampled: 07/15/11 07:30 Received: 07/15/11 11:00										
1,1,1,2-Tetrachloroethane	<0.083	0.35	0.083	mg/kg dry	1	B1G1901	07/19/11	07/19/11	EPA 8260B	
1,1,1-Trichloroethane	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.048	0.35	0.048	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.095	0.35	0.095	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.086	0.70	0.086	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.034	0.35	0.034	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.038	0.70	0.038	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.084	0.70	0.084	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.12	2.8	0.12	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.020	0.35	0.020	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
Acetone	<0.27	2.8	0.27	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Benzene	<0.021	0.35	0.021	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bromoform	<0.038	0.70	0.038	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.15	0.70	0.15	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.048	0.35	0.048	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Chloroform	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.086	0.35	0.086	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-1 (1103159-01) Soil Sampled: 07/15/11 07:30 Received: 07/15/11 11:00										
cis-1,3-Dichloropropene	<0.031	0.35	0.031	mg/kg dry	1	B1G1901	07/19/11	07/19/11	EPA 8260B	
Dibromochloromethane	<0.048	0.35	0.048	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.14	0.70	0.14	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.053	0.35	0.053	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.053	0.70	0.053	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.015	0.35	0.015	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.097	1.4	0.097	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.066	0.70	0.066	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.12	0.70	0.12	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.022	0.35	0.022	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.10	1.4	0.081	mg/kg dry	1	"	"	"	"	J
Naphthalene	<0.077	0.70	0.077	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.020	0.35	0.020	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
Styrene	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.17	2.8	0.17	mg/kg dry	1	"	"	"	"	
Toluene	<0.022	0.35	0.022	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.058	0.35	0.058	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.049	0.35	0.049	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.091	0.35	0.091	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.2			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	90.5			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.4			78.1-125 %		"	"	"	"	

U-PB7-1 (1103159-02) Soil Sampled: 07/15/11 08:00 Received: 07/15/11 11:00										
1,1,1,2-Tetrachloroethane	<0.077	0.32	0.077	mg/kg dry	1	B1G1901	07/19/11	07/19/11	EPA 8260B	
1,1,1-Trichloroethane	<0.042	0.32	0.042	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.044	0.32	0.044	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.088	0.32	0.088	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.030	0.32	0.030	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB7-1 (1103159-02) Soil Sampled: 07/15/11 08:00 Received: 07/15/11 11:00										
1,1-Dichloroethene	<0.032	0.32	0.032	mg/kg dry	1	B1G1901	07/19/11	07/19/11	EPA 8260B	
1,1-Dichloropropene	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.079	0.65	0.079	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.031	0.32	0.031	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.035	0.65	0.035	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.023	0.32	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.090	0.65	0.090	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.029	0.32	0.029	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.026	0.32	0.026	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.035	0.32	0.035	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.040	0.32	0.040	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.026	0.32	0.026	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.029	0.32	0.029	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.022	0.32	0.022	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.078	0.65	0.078	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.11	2.6	0.11	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.018	0.32	0.018	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
Acetone	0.29	2.6	0.25	mg/kg dry	1	"	"	"	"	J
Allyl chloride	<0.075	0.65	0.075	mg/kg dry	1	"	"	"	"	
Benzene	<0.019	0.32	0.019	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.035	0.32	0.035	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.048	0.32	0.048	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.035	0.32	0.035	mg/kg dry	1	"	"	"	"	
Bromoform	<0.035	0.65	0.035	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.14	0.65	0.14	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.044	0.32	0.044	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.025	0.32	0.025	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.048	0.32	0.048	mg/kg dry	1	"	"	"	"	
Chloroform	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.079	0.32	0.079	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.029	0.32	0.029	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.044	0.32	0.044	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.038	0.32	0.038	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.13	0.65	0.13	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.049	0.32	0.049	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.049	0.65	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB7-1 (1103159-02) Soil Sampled: 07/15/11 08:00 Received: 07/15/11 11:00										
Ethylbenzene	<0.014	0.32	0.014	mg/kg dry	1	B1G1901	07/19/11	07/19/11	EPA 8260B	
Hexachlorobutadiene	<0.090	1.3	0.090	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.025	0.32	0.025	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.061	0.65	0.061	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.11	0.65	0.11	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.021	0.32	0.021	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.11	1.3	0.075	mg/kg dry	1	"	"	"	"	J
Naphthalene	<0.071	0.65	0.071	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.035	0.32	0.035	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.032	0.32	0.032	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.018	0.32	0.018	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.022	0.32	0.022	mg/kg dry	1	"	"	"	"	
Styrene	<0.026	0.32	0.026	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.023	0.32	0.023	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.036	0.32	0.036	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.16	2.6	0.16	mg/kg dry	1	"	"	"	"	
Toluene	<0.021	0.32	0.021	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.039	0.32	0.039	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.030	0.32	0.030	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.053	0.32	0.053	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.045	0.32	0.045	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.084	0.32	0.084	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.2			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	90.7			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	89.2			78.1-125 %		"	"	"	"	

U-PB6-1 (1103159-03) Soil Sampled: 07/15/11 08:30 Received: 07/15/11 11:00										
1,1,1,2-Tetrachloroethane	<0.17	0.70	0.17	mg/kg dry	1	B1G1901	07/19/11	07/19/11	EPA 8260B	
1,1,1-Trichloroethane	<0.090	0.70	0.090	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.073	0.70	0.073	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.096	0.70	0.096	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.19	0.70	0.19	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.065	0.70	0.065	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.070	0.70	0.070	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.059	0.70	0.059	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.17	1.4	0.17	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.068	0.70	0.068	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.076	1.4	0.076	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.051	0.70	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB6-1 (1103159-03) Soil Sampled: 07/15/11 08:30 Received: 07/15/11 11:00										
1,2-Dibromo-3-chloropropane	<0.19	1.4	0.19	mg/kg dry	1	B1G1901	07/19/11	07/19/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.056	0.70	0.056	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.076	0.70	0.076	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.087	0.70	0.087	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.056	0.70	0.056	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.073	0.70	0.073	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.048	0.70	0.048	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.17	1.4	0.17	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.25	5.6	0.25	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.059	0.70	0.059	mg/kg dry	1	"	"	"	"	
Acetone	0.95	5.6	0.54	mg/kg dry	1	"	"	"	"	J
Allyl chloride	<0.16	1.4	0.16	mg/kg dry	1	"	"	"	"	
Benzene	<0.042	0.70	0.042	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.076	0.70	0.076	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.10	0.70	0.10	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.076	0.70	0.076	mg/kg dry	1	"	"	"	"	
Bromoform	<0.076	1.4	0.076	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.31	1.4	0.31	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.096	0.70	0.096	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.054	0.70	0.054	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.10	0.70	0.10	mg/kg dry	1	"	"	"	"	
Chloroform	<0.059	0.70	0.059	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.17	0.70	0.17	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.073	0.70	0.073	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.096	0.70	0.096	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.082	0.70	0.082	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.28	1.4	0.28	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.11	0.70	0.11	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.11	1.4	0.11	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.031	0.70	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.19	2.8	0.19	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.054	0.70	0.054	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.13	1.4	0.13	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.23	1.4	0.23	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.045	0.70	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB6-1 (1103159-03) Soil Sampled: 07/15/11 08:30 Received: 07/15/11 11:00										
Methylene chloride	0.23	2.8	0.16	mg/kg dry	1	B1G1901	07/19/11	07/19/11	EPA 8260B	J
Naphthalene	<0.16	1.4	0.16	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.076	0.70	0.076	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.059	0.70	0.059	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.070	0.70	0.070	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.048	0.70	0.048	mg/kg dry	1	"	"	"	"	
Styrene	<0.056	0.70	0.056	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.051	0.70	0.051	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.079	0.70	0.079	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.34	5.6	0.34	mg/kg dry	1	"	"	"	"	
Toluene	<0.045	0.70	0.045	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.085	0.70	0.085	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.065	0.70	0.065	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.12	0.70	0.12	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.18	0.70	0.18	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	90.7			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	93.0			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.2			78.1-125 %		"	"	"	"	

U-SanB6-1 (1103159-04) Soil Sampled: 07/15/11 09:00 Received: 07/15/11 11:00										
1,1,1,2-Tetrachloroethane	<0.10	0.42	0.10	mg/kg dry	1	B1G1901	07/19/11	07/19/11	EPA 8260B	
1,1,1-Trichloroethane	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.058	0.42	0.058	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.12	0.42	0.12	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.036	0.42	0.036	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.041	0.42	0.041	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.046	0.85	0.046	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.031	0.42	0.031	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.12	0.85	0.12	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.034	0.42	0.034	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.053	0.42	0.053	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.034	0.42	0.034	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanB6-1 (1103159-04) Soil Sampled: 07/15/11 09:00 Received: 07/15/11 11:00										
1,3-Dichlorobenzene	<0.044	0.42	0.044	mg/kg dry	1	B1G1901	07/19/11	07/19/11	EPA 8260B	
1,3-Dichloropropane	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.42	0.029	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.10	0.85	0.10	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.15	3.4	0.15	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.024	0.42	0.024	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.036	0.42	0.036	mg/kg dry	1	"	"	"	"	
Acetone	0.39	3.4	0.32	mg/kg dry	1	"	"	"	"	J
Allyl chloride	<0.098	0.85	0.098	mg/kg dry	1	"	"	"	"	
Benzene	<0.025	0.42	0.025	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.063	0.42	0.063	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Bromoform	<0.046	0.85	0.046	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.19	0.85	0.19	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.058	0.42	0.058	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.032	0.42	0.032	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.063	0.42	0.063	mg/kg dry	1	"	"	"	"	
Chloroform	<0.036	0.42	0.036	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.10	0.42	0.10	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.058	0.42	0.058	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.17	0.85	0.17	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.064	0.42	0.064	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.064	0.85	0.064	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.019	0.42	0.019	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.12	1.7	0.12	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.032	0.42	0.032	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.080	0.85	0.080	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.14	0.85	0.14	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.027	0.42	0.027	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.14	1.7	0.098	mg/kg dry	1	"	"	"	"	J
Naphthalene	<0.093	0.85	0.093	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.036	0.42	0.036	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.024	0.42	0.024	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanB6-1 (1103159-04) Soil Sampled: 07/15/11 09:00 Received: 07/15/11 11:00										
sec-Butylbenzene	<0.029	0.42	0.029	mg/kg dry	1	B1G1901	07/19/11	07/19/11	EPA 8260B	
Styrene	<0.034	0.42	0.034	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.031	0.42	0.031	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.047	0.42	0.047	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.20	3.4	0.20	mg/kg dry	1	"	"	"	"	
Toluene	<0.027	0.42	0.027	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.051	0.42	0.051	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.039	0.42	0.039	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.069	0.42	0.069	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.059	0.42	0.059	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.11	0.42	0.11	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.8			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	93.0			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	90.0			78.1-125 %		"	"	"	"	

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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-1 (1103159-01) Soil Sampled: 07/15/11 07:30 Received: 07/15/11 11:00										
Flashpoint	>140			°F	1	B1G2710	07/27/11	07/27/11	EPA 1010A/ASTM D93(M)	
U-PB7-1 (1103159-02) Soil Sampled: 07/15/11 08:00 Received: 07/15/11 11:00										
Flashpoint	>140			°F	1	B1G2710	07/27/11	07/27/11	EPA 1010A/ASTM D93(M)	
U-PB6-1 (1103159-03) Soil Sampled: 07/15/11 08:30 Received: 07/15/11 11:00										
Flashpoint	>140			°F	1	B1G2710	07/27/11	07/28/11	EPA 1010A/ASTM D93(M)	
U-SanB6-1 (1103159-04) Soil Sampled: 07/15/11 09:00 Received: 07/15/11 11:00										
Flashpoint	>140			°F	1	B1G2710	07/27/11	07/28/11	EPA 1010A/ASTM D93(M)	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1807 - EPA 3050B

Blank (B1G1807-BLK1)

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G1807-BS1)

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	40.7	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.0	1.0	0.060	mg/kg wet	39.9		105	80-120			
Cadmium	40.9	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.4	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	40.6	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.18	0.25	0.016	mg/kg wet	3.99		105	80-120			

LCS Dup (B1G1807-BSD1)

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	40.7	0.50	0.055	mg/kg wet	39.9		102	80-120	0.0527	20	
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120	0.408	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	0.369	20	
Chromium	41.5	0.50	0.012	mg/kg wet	39.9		104	80-120	0.420	20	
Lead	41.3	1.0	0.14	mg/kg wet	39.9		103	80-120	0.325	20	
Selenium	40.4	1.0	0.095	mg/kg wet	39.9		101	80-120	0.275	20	
Silver	4.13	0.25	0.016	mg/kg wet	3.99		103	80-120	1.21	20	

Matrix Spike (B1G1807-MS1)

Source: 1103147-07

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	42.1	0.52	0.057	mg/kg dry	40.8	2.71	96.4	75-125			
Barium	71.3	1.0	0.062	mg/kg dry	40.8	27.1	108	75-125			
Cadmium	40.3	0.26	0.034	mg/kg dry	40.8	<0.26	98.5	75-125			
Chromium	49.0	0.52	0.012	mg/kg dry	40.8	8.34	99.5	75-125			
Lead	43.1	1.0	0.15	mg/kg dry	40.8	4.30	95.1	75-125			
Selenium	38.8	1.0	0.099	mg/kg dry	40.8	<1.0	95.0	75-125			
Silver	3.98	0.26	0.017	mg/kg dry	4.08	<0.26	97.4	75-125			

Matrix Spike Dup (B1G1807-MSD1)

Source: 1103147-07

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	41.9	0.52	0.057	mg/kg dry	39.7	2.71	98.7	75-125	0.500	20	
Barium	68.5	1.0	0.062	mg/kg dry	39.7	27.1	105	75-125	3.98	20	
Cadmium	39.7	0.26	0.034	mg/kg dry	39.7	<0.26	100	75-125	1.34	20	
Chromium	49.2	0.52	0.012	mg/kg dry	39.7	8.34	103	75-125	0.547	20	
Lead	41.6	1.0	0.15	mg/kg dry	39.7	4.30	94.1	75-125	3.58	20	
Selenium	38.8	1.0	0.099	mg/kg dry	39.7	<1.0	97.8	75-125	0.0475	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1807 - EPA 3050B											
Matrix Spike Dup (B1G1807-MSD1) Source: 1103147-07 Prepared: 07/18/11 Analyzed: 07/29/11											
Silver	3.95	0.26	0.017	mg/kg dry	3.97	<0.26	99.6	75-125	0.755	20	
Batch B1G2605 - EPA 7471A											
Blank (B1G2605-BLK1) Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G2605-BS1) Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	0.206	0.10	0.019	mg/kg wet	0.200		103	80-120			
LCS Dup (B1G2605-BSD1) Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	0.215	0.10	0.019	mg/kg wet	0.200		108	80-120	4.28	20	
Matrix Spike (B1G2605-MS1) Source: 1103147-03 Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	0.221	0.092	0.017	mg/kg dry	0.184	0.117	56.2	75-125			M2
Matrix Spike Dup (B1G2605-MSD1) Source: 1103147-03 Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	0.224	0.093	0.018	mg/kg dry	0.185	0.117	57.2	75-125	1.22	20	M2

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2202 - EPA 3545 ASE Extraction											
Blank (B1G2202-BLK1)											
						Prepared: 07/22/11 Analyzed: 07/23/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0663			mg/kg wet	0.0667		99.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0593			mg/kg wet	0.0667		89.0	60.9-138			
LCS (B1G2202-BS1)											
						Prepared: 07/22/11 Analyzed: 07/23/11					
Aroclor 1260	0.301	0.20	0.0059	mg/kg wet	0.333		90.2	70-130			
Surrogate: Decachlorobiphenyl	0.0663			mg/kg wet	0.0667		99.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0610			mg/kg wet	0.0667		91.5	60.9-138			
Matrix Spike (B1G2202-MS1)											
						Source: 1103159-01 Prepared: 07/22/11 Analyzed: 07/23/11					
Aroclor 1260	0.368	0.24	0.0069	mg/kg dry	0.396	<0.24	92.9	70-130			
Surrogate: Decachlorobiphenyl	0.0713			mg/kg dry	0.0792		90.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0716			mg/kg dry	0.0792		90.5	60.9-138			
Matrix Spike Dup (B1G2202-MSD1)											
						Source: 1103159-01 Prepared: 07/22/11 Analyzed: 07/23/11					
Aroclor 1260	0.356	0.24	0.0069	mg/kg dry	0.393	<0.24	90.6	70-130	3.31	17.2	
Surrogate: Decachlorobiphenyl	0.0652			mg/kg dry	0.0785		83.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0691			mg/kg dry	0.0785		88.0	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1922 - General Preparation											
Duplicate (B1G1922-DUP1)						Source: 1103159-02	Prepared: 07/19/11 Analyzed: 07/20/11				
% Solids	78.0			%		77.0			1.29	20	
Duplicate (B1G1922-DUP2)						Source: 1103231-01	Prepared: 07/19/11 Analyzed: 07/20/11				
% Solids	86.0			%		86.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2201 - EPA 3545 ASE Extraction

Blank (B1G2201-BLK1)

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDE	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDT	< 0.040	0.040	0.0020	mg/kg wet							
Aldrin	< 0.040	0.040	0.0021	mg/kg wet							
alpha-BHC	< 0.040	0.040	0.0020	mg/kg wet							
alpha-Chlordane	< 0.040	0.040	0.0020	mg/kg wet							
beta-BHC	< 0.040	0.040	0.0022	mg/kg wet							
delta-BHC	< 0.040	0.040	0.0020	mg/kg wet							
Dieldrin	< 0.040	0.040	0.0020	mg/kg wet							
Endosulfan I	< 0.040	0.040	0.0022	mg/kg wet							
Endosulfan II	< 0.040	0.040	0.0021	mg/kg wet							
Endosulfan sulfate	< 0.040	0.040	0.0021	mg/kg wet							
Endrin	< 0.040	0.040	0.0020	mg/kg wet							
Endrin aldehyde	< 0.040	0.040	0.0014	mg/kg wet							
Endrin ketone	< 0.040	0.040	0.0021	mg/kg wet							
gamma-BHC (Lindane)	< 0.040	0.040	0.0021	mg/kg wet							
gamma-Chlordane	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor epoxide	< 0.040	0.040	0.0020	mg/kg wet							
Methoxychlor	< 0.040	0.040	0.0021	mg/kg wet							
Toxaphene	< 0.080	0.080	0.016	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0703			mg/kg wet	0.0667		106	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0633			mg/kg wet	0.0667		95.0	65.2-135			

LCS (B1G2201-BS1)

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	0.0833	0.040	0.0020	mg/kg wet	0.0833		100	70-130			
4,4'-DDE	0.0847	0.040	0.0020	mg/kg wet	0.0833		102	70-130			
4,4'-DDT	0.0957	0.040	0.0020	mg/kg wet	0.0833		115	70-130			
Aldrin	0.0790	0.040	0.0021	mg/kg wet	0.0833		94.8	70-130			
alpha-BHC	0.0793	0.040	0.0020	mg/kg wet	0.0833		95.2	70-130			
alpha-Chlordane	0.0820	0.040	0.0020	mg/kg wet	0.0833		98.4	70-130			
beta-BHC	0.0810	0.040	0.0022	mg/kg wet	0.0833		97.2	70-130			
delta-BHC	0.0827	0.040	0.0020	mg/kg wet	0.0833		99.2	70-130			
Dieldrin	0.0830	0.040	0.0020	mg/kg wet	0.0833		99.6	70-130			
Endosulfan I	0.0810	0.040	0.0022	mg/kg wet	0.0833		97.2	70-130			
Endosulfan II	0.0827	0.040	0.0021	mg/kg wet	0.0833		99.2	70-130			
Endosulfan sulfate	0.0847	0.040	0.0021	mg/kg wet	0.0833		102	70-130			
Endrin	0.0853	0.040	0.0020	mg/kg wet	0.0833		102	70-130			
Endrin aldehyde	0.0717	0.040	0.0014	mg/kg wet	0.0833		86.0	70-130			
Endrin ketone	0.0867	0.040	0.0021	mg/kg wet	0.0833		104	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2201 - EPA 3545 ASE Extraction

LCS (B1G2201-BS1)

Prepared: 07/22/11 Analyzed: 07/23/11

gamma-BHC (Lindane)	0.0807	0.040	0.0021	mg/kg wet	0.0833		96.8	70-130			
gamma-Chlordane	0.0827	0.040	0.0021	mg/kg wet	0.0833		99.2	70-130			
Heptachlor	0.0813	0.040	0.0021	mg/kg wet	0.0833		97.6	70-130			
Heptachlor epoxide	0.0817	0.040	0.0020	mg/kg wet	0.0833		98.0	70-130			
Methoxychlor	0.0907	0.040	0.0021	mg/kg wet	0.0833		109	70-130			
Surrogate: Decachlorobiphenyl	0.0753			mg/kg wet	0.0667		113	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0677			mg/kg wet	0.0667		102	65.2-135			

Matrix Spike (B1G2201-MS1)

Source: 1103192-03

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	0.0953	0.043	0.0021	mg/kg dry	0.0899	<0.043	106	70-130			V7
4,4'-DDE	0.0971	0.043	0.0021	mg/kg dry	0.0899	<0.043	108	70-130			V7
4,4'-DDT	0.110	0.043	0.0021	mg/kg dry	0.0899	<0.043	122	70-130			V8
Aldrin	0.0903	0.043	0.0022	mg/kg dry	0.0899	<0.043	100	70-130			
alpha-BHC	0.0928	0.043	0.0021	mg/kg dry	0.0899	<0.043	103	70-130			
alpha-Chlordane	0.0913	0.043	0.0021	mg/kg dry	0.0899	<0.043	102	70-130			
beta-BHC	0.0928	0.043	0.0023	mg/kg dry	0.0899	<0.043	103	70-130			V7
delta-BHC	0.100	0.043	0.0021	mg/kg dry	0.0899	<0.043	112	70-130			V7
Dieldrin	0.0935	0.043	0.0021	mg/kg dry	0.0899	<0.043	104	70-130			
Endosulfan I	0.0885	0.043	0.0023	mg/kg dry	0.0899	<0.043	98.4	70-130			
Endosulfan II	0.0931	0.043	0.0022	mg/kg dry	0.0899	<0.043	104	70-130			
Endosulfan sulfate	0.0921	0.043	0.0022	mg/kg dry	0.0899	<0.043	102	70-130			
Endrin	0.101	0.043	0.0021	mg/kg dry	0.0899	<0.043	112	70-130			
Endrin aldehyde	0.0773	0.043	0.0015	mg/kg dry	0.0899	<0.043	86.0	70-130			
Endrin ketone	0.0942	0.043	0.0022	mg/kg dry	0.0899	<0.043	105	70-130			
gamma-BHC (Lindane)	0.0939	0.043	0.0022	mg/kg dry	0.0899	<0.043	104	70-130			
gamma-Chlordane	0.0928	0.043	0.0022	mg/kg dry	0.0899	<0.043	103	70-130			
Heptachlor	0.0939	0.043	0.0022	mg/kg dry	0.0899	<0.043	104	70-130			
Heptachlor epoxide	0.0917	0.043	0.0021	mg/kg dry	0.0899	<0.043	102	70-130			
Methoxychlor	0.107	0.043	0.0022	mg/kg dry	0.0899	<0.043	119	70-130			V8
Surrogate: Decachlorobiphenyl	0.0806			mg/kg dry	0.0719		112	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0791			mg/kg dry	0.0719		110	65.2-135			

Matrix Spike Dup (B1G2201-MSD1)

Source: 1103192-03

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	0.104	0.043	0.0021	mg/kg dry	0.0895	<0.043	116	70-130	8.26	17.3	V7
4,4'-DDE	0.104	0.043	0.0021	mg/kg dry	0.0895	<0.043	116	70-130	7.08	18.9	V7
4,4'-DDT	0.119	0.043	0.0021	mg/kg dry	0.0895	<0.043	132	70-130	7.44	37.6	M1, V8
Aldrin	0.0942	0.043	0.0022	mg/kg dry	0.0895	<0.043	105	70-130	4.26	26.6	
alpha-BHC	0.0978	0.043	0.0021	mg/kg dry	0.0895	<0.043	109	70-130	5.25	27.3	
alpha-Chlordane	0.0978	0.043	0.0021	mg/kg dry	0.0895	<0.043	109	70-130	6.81	17.2	
beta-BHC	0.0992	0.043	0.0023	mg/kg dry	0.0895	<0.043	111	70-130	6.70	24.7	V7

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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2201 - EPA 3545 ASE Extraction											
Matrix Spike Dup (B1G2201-MSD1)		Source: 1103192-03			Prepared: 07/22/11		Analyzed: 07/23/11				
delta-BHC	0.107	0.043	0.0021	mg/kg dry	0.0895	<0.043	119	70-130	6.18	25.9	V7
Dieldrin	0.0996	0.043	0.0021	mg/kg dry	0.0895	<0.043	111	70-130	6.29	24.6	
Endosulfan I	0.0942	0.043	0.0023	mg/kg dry	0.0895	<0.043	105	70-130	6.28	18.2	
Endosulfan II	0.0989	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	5.95	16.6	
Endosulfan sulfate	0.0981	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	6.39	16.5	
Endrin	0.108	0.043	0.0021	mg/kg dry	0.0895	<0.043	120	70-130	6.82	18.9	
Endrin aldehyde	0.0810	0.043	0.0015	mg/kg dry	0.0895	<0.043	90.4	70-130	4.58	17.9	
Endrin ketone	0.0999	0.043	0.0022	mg/kg dry	0.0895	<0.043	112	70-130	5.88	15.7	
gamma-BHC (Lindane)	0.0989	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	5.18	27	
gamma-Chlordane	0.0992	0.043	0.0022	mg/kg dry	0.0895	<0.043	111	70-130	6.70	20	
Heptachlor	0.0981	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	4.46	20.3	
Heptachlor epoxide	0.0974	0.043	0.0021	mg/kg dry	0.0895	<0.043	109	70-130	6.05	26.2	
Methoxychlor	0.113	0.043	0.0022	mg/kg dry	0.0895	<0.043	126	70-130	5.79	20.2	V8
Surrogate: Decachlorobiphenyl	0.0806			mg/kg dry	0.0716		112	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0817			mg/kg dry	0.0716		114	65.2-135			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2105 - EPA 3545 ASE Extraction

Blank (B1G2105-BLK1)

Prepared & Analyzed: 07/21/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2105 - EPA 3545 ASE Extraction

Blank (B1G2105-BLK1)

Prepared & Analyzed: 07/21/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	3.95			mg/kg wet	6.67		59.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.14			mg/kg wet	6.67		62.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.71			mg/kg wet	6.67		55.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.16			mg/kg wet	6.67		62.4	48.9-100			
Surrogate: Phenol-d6	4.06			mg/kg wet	6.67		60.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.50			mg/kg wet	6.67		82.5	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103159
 Date Reported: 07/29/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2105 - EPA 3545 ASE Extraction

LCS (B1G2105-BS1)

Prepared & Analyzed: 07/21/11

1,2,4-Trichlorobenzene	4.17	0.33	0.031	mg/kg wet	6.67		62.5	59.1-87.7		20	
1,4-Dichlorobenzene	4.06	0.33	0.029	mg/kg wet	6.67		60.8	50.3-72.9		20	
2,4-Dinitrotoluene	5.04	0.33	0.035	mg/kg wet	6.67		75.7	59.8-82.2		20	
2-Chlorophenol	4.37	0.67	0.060	mg/kg wet	6.67		65.6	59.7-77.3		20	
4-Chloro-3-methylphenol	4.71	0.67	0.066	mg/kg wet	6.67		70.6	63.6-80.4		20	
4-Nitrophenol	5.15	0.67	0.093	mg/kg wet	6.67		77.3	57.3-84.9		20	
Anthracene	5.37	0.33	0.036	mg/kg wet	6.67		80.6	67.3-88		20	
Benzo(a)anthracene	5.28	0.33	0.041	mg/kg wet	6.67		79.2	66.5-90.5		20	
Benzo(a)pyrene	5.46	0.33	0.042	mg/kg wet	6.67		81.9	66.1-89.7		20	
Chrysene	5.37	0.33	0.044	mg/kg wet	6.67		80.5	65.5-90.5		20	
Fluoranthene	5.41	0.33	0.039	mg/kg wet	6.67		81.1	66.7-89.9		20	
Fluorene	5.21	0.33	0.035	mg/kg wet	6.67		78.1	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.84	0.33	0.033	mg/kg wet	6.67		72.6	59.4-78		20	
Pentachlorophenol	3.70	0.67	0.078	mg/kg wet	6.67		55.4	46.7-83.2		20	
Phenanthrene	5.40	0.33	0.036	mg/kg wet	6.67		81.1	67.5-87.9		20	
Phenol	4.56	0.67	0.069	mg/kg wet	6.67		68.3	59.5-76.6		20	
Surrogate: 2,4,6-Tribromophenol	4.45			mg/kg wet	6.67		66.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.92			mg/kg wet	6.67		73.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.45			mg/kg wet	6.67		66.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.85			mg/kg wet	6.67		72.7	48.9-100			
Surrogate: Phenol-d6	4.88			mg/kg wet	6.67		73.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.66			mg/kg wet	6.67		69.9	51-99.6			

Matrix Spike (B1G2105-MS1)

Source: 1103147-07

Prepared & Analyzed: 07/21/11

1,2,4-Trichlorobenzene	4.30	0.34	0.032	mg/kg dry	6.94	<0.34	62.0	44.8-97.9		19.6	
1,4-Dichlorobenzene	3.73	0.34	0.030	mg/kg dry	6.94	<0.34	53.7	42.3-77.9		22.4	
2,4-Dinitrotoluene	4.83	0.34	0.036	mg/kg dry	6.94	<0.34	69.6	57.3-86.6		19.5	
2-Chlorophenol	4.15	0.70	0.062	mg/kg dry	6.94	<0.70	59.8	43.3-93.2		23.7	
4-Chloro-3-methylphenol	4.78	0.70	0.069	mg/kg dry	6.94	<0.70	68.9	47.1-97.6		18.3	
4-Nitrophenol	4.67	0.70	0.097	mg/kg dry	6.94	<0.70	67.3	49.3-96.2		20.4	
Anthracene	5.36	0.34	0.038	mg/kg dry	6.94	<0.34	77.2	67.5-93.1		19.9	
Benzo(a)anthracene	5.48	0.34	0.043	mg/kg dry	6.94	<0.34	79.0	59.8-95.7		23.4	
Benzo(a)pyrene	5.63	0.34	0.044	mg/kg dry	6.94	<0.34	81.2	59.8-92.7		21.1	
Chrysene	5.63	0.34	0.046	mg/kg dry	6.94	<0.34	81.2	62.5-94.6		24.8	
Fluoranthene	5.17	0.34	0.041	mg/kg dry	6.94	<0.34	74.6	61.3-92.8		21.8	
Fluorene	4.79	0.34	0.036	mg/kg dry	6.94	<0.34	69.1	62.8-92.6		17.6	
N-Nitrosodi-n-propylamine	4.50	0.34	0.034	mg/kg dry	6.94	<0.34	64.9	46.9-89.9		18.9	
Pentachlorophenol	5.24	0.70	0.081	mg/kg dry	6.94	<0.70	75.6	40.1-95.1		19.7	
Phenanthrene	5.44	0.34	0.038	mg/kg dry	6.94	<0.34	78.4	65.2-92.2		20.5	
Phenol	3.70	0.70	0.072	mg/kg dry	6.94	<0.70	53.3	44.7-91		17.9	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2105 - EPA 3545 ASE Extraction

Matrix Spike (B1G2105-MS1)

Source: 1103147-07

Prepared & Analyzed: 07/21/11

Surrogate: 2,4,6-Tribromophenol	6.35			mg/kg dry	6.94		91.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.25			mg/kg dry	6.94		61.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.98			mg/kg dry	6.94		57.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.34			mg/kg dry	6.94		62.6	48.9-100			
Surrogate: Phenol-d6	4.44			mg/kg dry	6.94		64.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.99			mg/kg dry	6.94		72.0	51-99.6			

Matrix Spike Dup (B1G2105-MSD1)

Source: 1103147-07

Prepared & Analyzed: 07/21/11

1,2,4-Trichlorobenzene	4.27	0.34	0.032	mg/kg dry	6.94	<0.34	61.5	44.8-97.9	0.654	19.6	
1,4-Dichlorobenzene	3.77	0.34	0.030	mg/kg dry	6.94	<0.34	54.4	42.3-77.9	1.32	22.4	
2,4-Dinitrotoluene	4.61	0.34	0.036	mg/kg dry	6.94	<0.34	66.4	57.3-86.6	4.59	19.5	
2-Chlorophenol	4.11	0.70	0.062	mg/kg dry	6.94	<0.70	59.2	43.3-93.2	0.825	23.7	
4-Chloro-3-methylphenol	4.57	0.70	0.069	mg/kg dry	6.94	<0.70	65.8	47.1-97.6	4.36	18.3	
4-Nitrophenol	4.44	0.70	0.097	mg/kg dry	6.94	<0.70	63.9	49.3-96.2	5.06	20.4	
Anthracene	5.15	0.34	0.038	mg/kg dry	6.94	<0.34	74.1	67.5-93.1	3.98	19.9	
Benzo(a)anthracene	5.20	0.34	0.043	mg/kg dry	6.94	<0.34	74.9	59.8-95.7	5.14	23.4	
Benzo(a)pyrene	5.37	0.34	0.044	mg/kg dry	6.94	<0.34	77.3	59.8-92.7	4.72	21.1	
Chrysene	5.33	0.34	0.046	mg/kg dry	6.94	<0.34	76.7	62.5-94.6	5.59	24.8	
Fluoranthene	4.97	0.34	0.041	mg/kg dry	6.94	<0.34	71.6	61.3-92.8	3.86	21.8	
Fluorene	4.61	0.34	0.036	mg/kg dry	6.94	<0.34	66.4	62.8-92.6	3.89	17.6	
N-Nitrosodi-n-propylamine	4.44	0.34	0.034	mg/kg dry	6.94	<0.34	63.9	46.9-89.9	1.39	18.9	
Pentachlorophenol	5.03	0.70	0.081	mg/kg dry	6.94	<0.70	72.4	40.1-95.1	4.17	19.7	
Phenanthrene	5.21	0.34	0.038	mg/kg dry	6.94	<0.34	75.1	65.2-92.2	4.20	20.5	
Phenol	3.67	0.70	0.072	mg/kg dry	6.94	<0.70	52.8	44.7-91	0.821	17.9	
Surrogate: 2,4,6-Tribromophenol	5.99			mg/kg dry	6.94		86.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.11			mg/kg dry	6.94		59.2	53.9-97.9			
Surrogate: 2-Fluorophenol	3.92			mg/kg dry	6.94		56.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.18			mg/kg dry	6.94		60.3	48.9-100			
Surrogate: Phenol-d6	4.32			mg/kg dry	6.94		62.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.66			mg/kg dry	6.94		67.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1901 - EPA 5035 Soil (Purge and Trap)

Blank (B1G1901-BLK1)

Prepared & Analyzed: 07/19/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1901 - EPA 5035 Soil (Purge and Trap)

Blank (B1G1901-BLK1)

Prepared & Analyzed: 07/19/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	43.2			ug/L	50.0		86.5	80-124			
Surrogate: Dibromofluoromethane	45.4			ug/L	50.0		90.8	77.1-123			
Surrogate: Toluene-d8	44.7			ug/L	50.0		89.3	78.1-125			

LCS (B1G1901-BS1)

Prepared & Analyzed: 07/19/11

1,1,1,2-Tetrachloroethane	46.2			ug/L	50.0		92.4	75-120		20	
1,1-Dichloroethane	44.3			ug/L	50.0		88.6	79.6-120		20	
1,1-Dichloroethene	41.9			ug/L	50.0		83.8	78.3-120		20	
1,3,5-Trimethylbenzene	50.3			ug/L	50.0		101	77-120		20	
1,4-Dichlorobenzene	52.7			ug/L	50.0		105	75-125		20	
2-Chlorotoluene	49.0			ug/L	50.0		98.0	75.9-120		20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1901 - EPA 5035 Soil (Purge and Trap)

LCS (B1G1901-BS1)

Prepared & Analyzed: 07/19/11

Benzene	47.2			ug/L	50.0		94.5	80-120		20	
Bromoform	47.3			ug/L	50.0		94.5	80-120		20	
Chlorobenzene	50.3			ug/L	50.0		101	80-120		20	
Chloroform	43.0			ug/L	50.0		85.9	80-120		20	
Ethylbenzene	49.9			ug/L	50.0		99.8	80-120		20	
n-Butylbenzene	62.1			ug/L	50.0		124	75-125		20	
n-Propylbenzene	51.5			ug/L	50.0		103	75-120		20	
Toluene	48.0			ug/L	50.0		96.1	80-120		20	
Trichloroethene	48.0			ug/L	50.0		96.0	80-120		20	
Vinyl chloride	45.9			ug/L	50.0		91.7	75-130		20	
Surrogate: 4-Bromofluorobenzene	48.0			ug/L	50.0		96.0	80-124			
Surrogate: Dibromofluoromethane	45.8			ug/L	50.0		91.6	77.1-123			
Surrogate: Toluene-d8	45.4			ug/L	50.0		90.8	78.1-125			

Matrix Spike (B1G1901-MS1)

Source: 1103159-01

Prepared & Analyzed: 07/19/11

1,1,2,2-Tetrachloroethane	51.5			ug/L	50.0	<	103	75-125		20	
1,1-Dichloroethane	46.6			ug/L	50.0	<	93.2	78.7-123		20	
1,1-Dichloroethene	43.7			ug/L	50.0	<	87.3	75.8-121		20	
1,3,5-Trimethylbenzene	51.3			ug/L	50.0	<	103	75-120		20	
1,4-Dichlorobenzene	52.4			ug/L	50.0	<	105	75-125		20	
2-Chlorotoluene	50.4			ug/L	50.0	<	101	75-120		20	
Benzene	47.4			ug/L	50.0	<	94.8	80-120		20	
Bromoform	48.8			ug/L	50.0	<	97.6	80-120		20	
Chlorobenzene	51.7			ug/L	50.0	<	103	80-120		20	
Chloroform	44.2			ug/L	50.0	<	88.5	80-120		20	
Ethylbenzene	51.6			ug/L	50.0	<	103	80-120		20	
n-Butylbenzene	61.8			ug/L	50.0	<	124	73.8-125		20	
n-Propylbenzene	52.8			ug/L	50.0	<	106	75-120		20	
Toluene	49.4			ug/L	50.0	<	98.7	80-120		20	
Trichloroethene	46.0			ug/L	50.0	<	92.0	80-120		20	
Vinyl chloride	45.7			ug/L	50.0	<	91.4	74.8-130		20	
Surrogate: 4-Bromofluorobenzene	47.9			ug/L	50.0		95.8	80-124			
Surrogate: Dibromofluoromethane	46.2			ug/L	50.0		92.4	77.1-123			
Surrogate: Toluene-d8	46.0			ug/L	50.0		92.0	78.1-125			

Matrix Spike Dup (B1G1901-MSD1)

Source: 1103159-01

Prepared & Analyzed: 07/19/11

1,1,2,2-Tetrachloroethane	49.3			ug/L	50.0	<	98.7	75-125	4.25	20	
1,1-Dichloroethane	46.6			ug/L	50.0	<	93.2	78.7-123	0.0629	20	
1,1-Dichloroethene	42.4			ug/L	50.0	<	84.8	75.8-121	2.96	20	
1,3,5-Trimethylbenzene	49.9			ug/L	50.0	<	99.7	75-120	2.73	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1901 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1G1901-MSD1)		Source: 1103159-01			Prepared & Analyzed: 07/19/11						
1,4-Dichlorobenzene	51.8			ug/L	50.0	<	104	75-125	1.10	20	
2-Chlorotoluene	49.1			ug/L	50.0	<	98.2	75-120	2.67	20	
Benzene	46.9			ug/L	50.0	<	93.7	80-120	1.12	20	
Bromoform	46.3			ug/L	50.0	<	92.6	80-120	5.19	20	
Chlorobenzene	50.2			ug/L	50.0	<	100	80-120	2.92	20	
Chloroform	43.9			ug/L	50.0	<	87.9	80-120	0.701	20	
Ethylbenzene	49.8			ug/L	50.0	<	99.5	80-120	3.60	20	
n-Butylbenzene	61.5			ug/L	50.0	<	123	73.8-125	0.457	20	
n-Propylbenzene	51.3			ug/L	50.0	<	103	75-120	3.07	20	
Toluene	48.9			ug/L	50.0	<	97.9	80-120	0.853	20	
Trichloroethene	46.0			ug/L	50.0	<	92.1	80-120	0.0378	20	
Vinyl chloride	45.9			ug/L	50.0	<	91.7	74.8-130	0.298	20	
Surrogate: 4-Bromofluorobenzene	47.5			ug/L	50.0		95.0	80-124			
Surrogate: Dibromofluoromethane	45.2			ug/L	50.0		90.3	77.1-123			
Surrogate: Toluene-d8	46.2			ug/L	50.0		92.5	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2710 - General Prep											
Duplicate (B1G2710-DUP1)		Source: 1103147-07				Prepared & Analyzed: 07/27/11					
Flashpoint	>140			°F		0.00				5	
Reference (B1G2710-SRM1)											
Flashpoint	78.0			°F	78.0		100	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103159 Date Reported: 07/29/11
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Notes and Definitions

- V8 Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- V7 Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
- M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

COC	Number of Containers/Preservative		Water				Soil				Total Number Of Containers				
	Water	Soil	VOCs (HCl) #1	SDOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (rated MeOH) #1		GRX BTEX (rated MeOH) #1	DRO (rated unpreserved)	Metals (unpreserved)	SDOCs (unpreserved) #2
1103159															
1103159															
1103159															
1103159															

Location	Start Depth	Stop Depth	Depth Unit	Collection Date	Collection Time	Matrix			Type
						Water	Soil	Grab	
U-SanCS-1	-	-	-	7/15/2011	7:30	X	X	X	OC
U-PB7-1	-	-	-	8:00	8:00	X	X	X	Comp.
U-PB6-1	-	-	-	8:30	8:30	X	X	X	Grab
U-SanBq-1	-	-	-	9:00	9:00	X	X	X	OC

Chain of Custody
 4700 West 7th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600
 Project Number: 23119-1092 Y8RI 810
 Project Name: U-MW RI - Sewer Investigation
 Sample Origin/Initiation State: MN (use two letter postal state abbreviation)
 COC Number: NO 36483

Requisition By: [Signature]
 Requisition Date: 7/15/11
 Requisition Time: 10:30
 Received By: [Signature]
 Received Date: 7/15/11
 Received Time: 11:00

Samples Shipped VIA: Air Freight Federal Express Sampler
 Other:

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator
 dropped off 7:4

HR-8257D-08-01 (Revision of Custody Form 2008 RLG Rev. 09/01/08)



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 28, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103187
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 07/15/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-28	1103187-01	Water	07/14/11 11:28	07/15/11 11:45
MW-23D	1103187-02	Water	07/14/11 14:34	07/15/11 11:45
FB-1	1103187-03	Water	07/14/11 00:00	07/15/11 11:45
Trip Blank	1103187-04	Water	07/11/11 00:00	07/15/11 11:45

Shipping Container Information

Default Cooler Temperature (°C): 4.0

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: chloride, nitrate+nitrite as N, sulfate, and perchlorate.

Nitrate as N recoveries in the MS/MSD samples exceeded laboratory control limits. Recoveries in the LCS/LCSD samples and the corresponding RPDs were within limits. The MS/MSD source sample was MW-28.

Nitrite as N recoveries in the MS/MSD samples exceeded laboratory control limits due to sample matrix interference. Recoveries in the LCS/LCSD samples and the corresponding RPDs were within limits. The MS/MSD source sample was MW-28.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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DISSOLVED METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-28 (1103187-01) Water Sampled: 07/14/11 11:28 Received: 07/15/11 11:45										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Barium	0.066	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	110	1.0	0.030	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	36	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2604	07/26/11	07/26/11	EPA 7470A (Dissolved)	
Potassium	2.0	1.0	0.0016	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
Sodium	4.4	1.0	0.0053	mg/L	1	"	"	"	"	
MW-23D (1103187-02) Water Sampled: 07/14/11 14:34 Received: 07/15/11 11:45										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Barium	0.051	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	94	1.0	0.030	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	34	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2604	07/26/11	07/26/11	EPA 7470A (Dissolved)	
Potassium	1.5	1.0	0.0016	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
Sodium	4.6	1.0	0.0053	mg/L	1	"	"	"	"	
FB-1 (1103187-03) Water Sampled: 07/14/11 00:00 Received: 07/15/11 11:45										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	<1.0	1.0	0.030	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	<1.0	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1G2604	07/26/11	07/26/11	EPA 7470A (Dissolved)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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DISSOLVED METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1103187-03) Water Sampled: 07/14/11 00:00 Received: 07/15/11 11:45										
Potassium	<1.0	1.0	0.0016	mg/L	1	B1G2103	07/21/11	07/21/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
Sodium	<1.0	1.0	0.0053	mg/L	1	"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103187
Date Reported: 07/28/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-28 (1103187-01) Water Sampled: 07/14/11 11:28 Received: 07/15/11 11:45										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-28 (1103187-01) Water Sampled: 07/14/11 11:28 Received: 07/15/11 11:45										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	78.9			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.3			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.0			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	78.1			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	56.0			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	91.4			30-116 %		"	"	"	"	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103187
Date Reported: 07/28/11

SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-23D (1103187-02) Water Sampled: 07/14/11 14:34 Received: 07/15/11 11:45										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-23D (1103187-02) Water Sampled: 07/14/11 14:34 Received: 07/15/11 11:45										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.9			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.7			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.2			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.6			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	60.4			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	91.9			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1103187-03) Water Sampled: 07/14/11 00:00 Received: 07/15/11 11:45										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1103187-03) Water Sampled: 07/14/11 00:00 Received: 07/15/11 11:45										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1G1902	07/19/11	07/20/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.8			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	80.7			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.3			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	83.2			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	59.4			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	94.8			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-28 (1103187-01) Water Sampled: 07/14/11 11:28 Received: 07/15/11 11:45										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G2013	07/20/11	07/20/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	7.9	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103187
 Date Reported: 07/28/11

VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-28 (1103187-01) Water Sampled: 07/14/11 11:28 Received: 07/15/11 11:45										
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	B1G2013	07/20/11	07/20/11	EPA 8260B	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	0.75	1.0	0.18	ug/L	1	"	"	"	"	J
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	102			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	102			80-120 %		"	"	"	"	

MW-23D (1103187-02) Water Sampled: 07/14/11 14:34 Received: 07/15/11 11:45

1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G2013	07/20/11	07/20/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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MW-23D (1103187-02) Water **Sampled: 07/14/11 14:34** **Received: 07/15/11 11:45**

1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	B1G2013	07/20/11	07/20/11	EPA 8260B	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	5.0	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-23D (1103187-02) Water Sampled: 07/14/11 14:34 Received: 07/15/11 11:45										
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	B1G2013	07/20/11	07/20/11	EPA 8260B	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	0.92	1.0	0.18	ug/L	1	"	"	"	"	J
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.9			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	104			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	100			80-120 %		"	"	"	"	

FB-1 (1103187-03) Water Sampled: 07/14/11 00:00 Received: 07/15/11 11:45										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G2013	07/20/11	07/20/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103187
 Date Reported: 07/28/11

VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1103187-03) Water Sampled: 07/14/11 00:00 Received: 07/15/11 11:45										
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	B1G2013	07/20/11	07/20/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1103187-03) Water Sampled: 07/14/11 00:00 Received: 07/15/11 11:45										
Methylene chloride	<0.85	5.0	0.85	ug/L	1	B1G2013	07/20/11	07/20/11	EPA 8260B	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.3			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	103			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	100			80-120 %		"	"	"	"	

Trip Blank (1103187-04) Water Sampled: 07/11/11 00:00 Received: 07/15/11 11:45										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1G2013	07/20/11	07/20/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1103187-04) Water Sampled: 07/11/11 00:00 Received: 07/15/11 11:45										
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	B1G2013	07/20/11	07/20/11	EPA 8260B	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	1.9	5.0	0.85	ug/L	1	"	"	"	"	J
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1103187-04) Water Sampled: 07/11/11 00:00 Received: 07/15/11 11:45										
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	B1G2013	07/20/11	07/20/11	EPA 8260B	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	100			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	102			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	102			80-120 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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WET CHEMISTRY
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-28 (1103187-01) Water Sampled: 07/14/11 11:28 Received: 07/15/11 11:45										
Total Alkalinity as CaCO ₃	340	20	5.3	mg/L	1	B1G2106	07/21/11	07/26/11	SM 2320 B-97	
MW-23D (1103187-02) Water Sampled: 07/14/11 14:34 Received: 07/15/11 11:45										
Total Alkalinity as CaCO ₃	290	20	5.3	mg/L	1	B1G2106	07/21/11	07/26/11	SM 2320 B-97	
FB-1 (1103187-03) Water Sampled: 07/14/11 00:00 Received: 07/15/11 11:45										
Total Alkalinity as CaCO ₃	<20	20	5.3	mg/L	1	B1G2106	07/21/11	07/26/11	SM 2320 B-97	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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ANIONS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-28 (1103187-01) Water Sampled: 07/14/11 11:28 Received: 07/15/11 11:45										
Chloride	14	1.0	0.029	mg/L	10	B1G1513	07/15/11	07/15/11	EPA 9056A	
Nitrate + Nitrite as N	10	0.26	0.047	mg/L	2	[CALC]	"	"	Calc/EPA 9056A	M1, QM-01
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1G2204	07/22/11	07/26/11	EPA 9056A(M)	
Sulfate as SO(4)	26	1.0	0.24	mg/L	10	B1G1513	07/15/11	07/15/11	EPA 9056A	
MW-23D (1103187-02) Water Sampled: 07/14/11 14:34 Received: 07/15/11 11:45										
Chloride	11	1.0	0.029	mg/L	10	B1G1513	07/15/11	07/15/11	EPA 9056A	
Nitrate + Nitrite as N	9.0	0.26	0.047	mg/L	2	[CALC]	"	"	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1G2204	07/22/11	07/26/11	EPA 9056A(M)	
Sulfate as SO(4)	33	1.0	0.24	mg/L	10	B1G1513	07/15/11	07/15/11	EPA 9056A	
FB-1 (1103187-03) Water Sampled: 07/14/11 00:00 Received: 07/15/11 11:45										
Chloride	<0.10	0.10	0.0029	mg/L	1	B1G1513	07/15/11	07/15/11	EPA 9056A	
Nitrate + Nitrite as N	0.51	0.053	0.0068	mg/L	0	[CALC]	"	"	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1G2204	07/22/11	07/26/11	EPA 9056A(M)	
Sulfate as SO(4)	<0.10	0.10	0.024	mg/L	1	B1G1513	07/15/11	07/15/11	EPA 9056A	

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DISSOLVED METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2103 - EPA 200.7/3005A Digestion

Blank (B1G2103-BLK1)

Prepared & Analyzed: 07/21/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Calcium	< 1.0	1.0	0.030	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Magnesium	< 1.0	1.0	0.0021	mg/L							
Potassium	< 1.0	1.0	0.0016	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							
Sodium	< 1.0	1.0	0.0053	mg/L							

LCS (B1G2103-BS1)

Prepared & Analyzed: 07/21/11

Arsenic	0.412	0.010	0.0011	mg/L	0.399		103	80-120			
Barium	0.422	0.020	0.0012	mg/L	0.399		106	80-120			
Cadmium	0.412	0.0010	0.00013	mg/L	0.399		103	80-120			
Calcium	4.23	1.0	0.030	mg/L	3.99		106	80-120			
Chromium	0.422	0.010	0.00024	mg/L	0.399		106	80-120			
Lead	0.436	0.0030	0.00042	mg/L	0.399		109	80-120			
Magnesium	4.15	1.0	0.0021	mg/L	3.99		104	80-120			
Potassium	1.86	1.0	0.0016	mg/L	2.00		93.2	80-120			
Selenium	0.411	0.020	0.0019	mg/L	0.399		103	80-120			
Silver	0.0414	0.0050	0.00031	mg/L	0.0399		104	80-120			
Sodium	3.72	1.0	0.0053	mg/L	3.99		93.2	80-120			

LCS Dup (B1G2103-BSD1)

Prepared & Analyzed: 07/21/11

Arsenic	0.414	0.010	0.0011	mg/L	0.399		104	80-120	0.630	20	
Barium	0.424	0.020	0.0012	mg/L	0.399		106	80-120	0.562	20	
Cadmium	0.412	0.0010	0.00013	mg/L	0.399		103	80-120	0.0907	20	
Calcium	4.24	1.0	0.030	mg/L	3.99		106	80-120	0.261	20	
Chromium	0.424	0.010	0.00024	mg/L	0.399		106	80-120	0.340	20	
Lead	0.438	0.0030	0.00042	mg/L	0.399		110	80-120	0.465	20	
Magnesium	4.16	1.0	0.0021	mg/L	3.99		104	80-120	0.125	20	
Potassium	1.88	1.0	0.0016	mg/L	2.00		93.7	80-120	0.617	20	
Selenium	0.411	0.020	0.0019	mg/L	0.399		103	80-120	0.0830	20	
Silver	0.0416	0.0050	0.00031	mg/L	0.0399		104	80-120	0.516	20	
Sodium	3.73	1.0	0.0053	mg/L	3.99		93.4	80-120	0.195	20	

Matrix Spike (B1G2103-MS1)

Source: 1103116-02

Prepared & Analyzed: 07/21/11

Arsenic	0.405	0.010	0.0011	mg/L	0.399	<0.010	101	75-125			
Barium	0.414	0.020	0.0012	mg/L	0.399	<0.020	103	75-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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DISSOLVED METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2103 - EPA 200.7/3005A Digestion											
Matrix Spike (B1G2103-MS1)			Source: 1103116-02			Prepared & Analyzed: 07/21/11					
Cadmium	0.400	0.0010	0.00013	mg/L	0.399	<0.0010	100	75-125			
Calcium	4.19	1.0	0.030	mg/L	3.99	<1.0	104	75-125			
Chromium	0.413	0.010	0.00024	mg/L	0.399	<0.010	104	75-125			
Lead	0.427	0.0030	0.00042	mg/L	0.399	<0.0030	107	75-125			
Magnesium	4.07	1.0	0.0021	mg/L	3.99	<1.0	102	75-125			
Potassium	1.84	1.0	0.0016	mg/L	2.00	<1.0	89.9	75-125			
Selenium	0.403	0.020	0.0019	mg/L	0.399	<0.020	101	75-125			
Silver	0.0402	0.0050	0.00031	mg/L	0.0399	<0.0050	101	75-125			
Sodium	3.64	1.0	0.0053	mg/L	3.99	<1.0	91.1	75-125			
Matrix Spike Dup (B1G2103-MSD1)											
Source: 1103116-02			Prepared & Analyzed: 07/21/11								
Arsenic	0.417	0.010	0.0011	mg/L	0.399	<0.010	104	75-125	2.89	20	
Barium	0.428	0.020	0.0012	mg/L	0.399	<0.020	106	75-125	3.18	20	
Cadmium	0.415	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125	3.58	20	
Calcium	4.33	1.0	0.030	mg/L	3.99	<1.0	108	75-125	3.24	20	
Chromium	0.427	0.010	0.00024	mg/L	0.399	<0.010	107	75-125	3.22	20	
Lead	0.440	0.0030	0.00042	mg/L	0.399	<0.0030	110	75-125	3.10	20	
Magnesium	4.17	1.0	0.0021	mg/L	3.99	<1.0	104	75-125	2.54	20	
Potassium	1.89	1.0	0.0016	mg/L	2.00	<1.0	92.5	75-125	2.81	20	
Selenium	0.418	0.020	0.0019	mg/L	0.399	<0.020	105	75-125	3.58	20	
Silver	0.0412	0.0050	0.00031	mg/L	0.0399	<0.0050	103	75-125	2.48	20	
Sodium	3.70	1.0	0.0053	mg/L	3.99	<1.0	92.5	75-125	1.53	20	
Batch B1G2604 - EPA 245.1/7470A Digestion											
Blank (B1G2604-BLK1)			Prepared & Analyzed: 07/26/11								
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1G2604-BS1)			Prepared & Analyzed: 07/26/11								
Mercury	0.00211	0.00020	0.000037	mg/L	0.00200		106	80-120			
LCS Dup (B1G2604-BSD1)			Prepared & Analyzed: 07/26/11								
Mercury	0.00213	0.00020	0.000037	mg/L	0.00200		106	80-120	0.943	20	
Matrix Spike (B1G2604-MS1)			Source: 1103117-01			Prepared & Analyzed: 07/26/11					
Mercury	0.00217	0.00020	0.000037	mg/L	0.00200	<0.00020	108	75-125			
Matrix Spike Dup (B1G2604-MSD1)			Source: 1103117-01			Prepared & Analyzed: 07/26/11					
Mercury	0.00218	0.00020	0.000037	mg/L	0.00200	<0.00020	109	75-125	0.460	20	

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Blank (B1G1902-BLK1)

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Blank (B1G1902-BLK1)

Prepared & Analyzed: 07/19/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	79.2			ug/L	100		79.2	30-122			
Surrogate: 2-Fluorobiphenyl	77.6			ug/L	100		77.6	39.2-104			
Surrogate: 2-Fluorophenol	66.0			ug/L	100		66.0	30-80.1			
Surrogate: Nitrobenzene-d5	76.8			ug/L	100		76.8	51.2-103			
Surrogate: Phenol-d6	58.8			ug/L	100		58.8	30-75.3			
Surrogate: Terphenyl-d14	90.4			ug/L	100		90.4	30-116			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103187
 Date Reported: 07/28/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

LCS (B1G1902-BS1)

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	65.6	10	0.30	ug/L	100	65.6	47.4-88.7				
1,4-Dichlorobenzene	62.8	10	0.29	ug/L	100	62.8	39.5-81				
2,4-Dinitrotoluene	83.1	10	0.45	ug/L	100	83.1	67.2-99.3				
2-Chlorophenol	76.1	10	0.39	ug/L	100	76.1	56.5-85.9				
4-Chloro-3-methylphenol	81.5	10	0.48	ug/L	100	81.5	62.1-98.2				
4-Nitrophenol	78.5	10	0.78	ug/L	100	78.5	40.5-98.5				
Anthracene	91.0	10	0.56	ug/L	100	91.0	70.6-95.3				
Benzo(a)anthracene	87.2	10	0.50	ug/L	100	87.2	73.7-96.6				
Benzo(a)pyrene	89.3	10	0.41	ug/L	100	89.3	70.9-92.6				
Chrysene	89.9	10	0.61	ug/L	100	89.9	71.8-97.5				
Fluoranthene	91.1	10	0.61	ug/L	100	91.1	73.6-96.8				
Fluorene	88.2	10	0.52	ug/L	100	88.2	69.3-93.3				
N-Nitrosodi-n-propylamine	79.8	10	0.25	ug/L	100	79.8	65.9-89.3				
Pentachlorophenol	70.0	10	0.90	ug/L	100	70.0	55-107				
Phenanthrene	91.9	10	0.35	ug/L	100	91.9	72.5-97.6				
Phenol	58.5	10	0.41	ug/L	100	58.5	34.1-71.6				
Surrogate: 2,4,6-Tribromophenol	82.5			ug/L	100	82.5	30-122				
Surrogate: 2-Fluorobiphenyl	83.6			ug/L	100	83.6	39.2-104				
Surrogate: 2-Fluorophenol	66.0			ug/L	100	66.0	30-80.1				
Surrogate: Nitrobenzene-d5	79.6			ug/L	100	79.6	51.2-103				
Surrogate: Phenol-d6	60.5			ug/L	100	60.5	30-75.3				
Surrogate: Terphenyl-d14	77.8			ug/L	100	77.8	30-116				

Matrix Spike (B1G1902-MS1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	68.6	9.3	0.28	ug/L	93.5	<9.3	73.4	39.2-90.6			
1,4-Dichlorobenzene	64.9	9.3	0.27	ug/L	93.5	<9.3	69.5	34.1-81.6			
2,4-Dinitrotoluene	83.1	9.3	0.42	ug/L	93.5	<9.3	88.9	41.1-110			
2-Chlorophenol	75.3	9.3	0.36	ug/L	93.5	<9.3	80.6	30-96.4			
4-Chloro-3-methylphenol	82.3	9.3	0.45	ug/L	93.5	<9.3	88.1	30-113			
4-Nitrophenol	78.3	9.3	0.73	ug/L	93.5	<9.3	83.8	30-112			
Anthracene	89.0	9.3	0.52	ug/L	93.5	<9.3	95.2	30-119			
Benzo(a)anthracene	88.4	9.3	0.47	ug/L	93.5	<9.3	94.6	30-122			
Benzo(a)pyrene	90.2	9.3	0.38	ug/L	93.5	<9.3	96.6	30-118			
Chrysene	89.4	9.3	0.57	ug/L	93.5	<9.3	95.6	30-125			
Fluoranthene	90.8	9.3	0.57	ug/L	93.5	<9.3	97.2	31.6-119			
Fluorene	87.6	9.3	0.49	ug/L	93.5	<9.3	93.8	40.8-107			
N-Nitrosodi-n-propylamine	79.2	9.3	0.23	ug/L	93.5	<9.3	84.8	47.2-94.8			
Pentachlorophenol	71.8	9.3	0.84	ug/L	93.5	<9.3	76.8	30-130			
Phenanthrene	90.1	9.3	0.33	ug/L	93.5	<9.3	96.4	38.2-117			
Phenol	55.2	9.3	0.38	ug/L	93.5	<9.3	59.0	30-80			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1902 - EPA 3510C (Sep Funnel)

Matrix Spike (B1G1902-MS1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

Surrogate: 2,4,6-Tribromophenol	84.9			ug/L	93.5		90.8	30-122			
Surrogate: 2-Fluorobiphenyl	82.8			ug/L	93.5		88.6	39.2-104			
Surrogate: 2-Fluorophenol	65.3			ug/L	93.5		69.9	30-80.1			
Surrogate: Nitrobenzene-d5	82.0			ug/L	93.5		87.8	51.2-103			
Surrogate: Phenol-d6	56.7			ug/L	93.5		60.7	30-75.3			
Surrogate: Terphenyl-d14	78.1			ug/L	93.5		83.6	30-116			

Matrix Spike Dup (B1G1902-MSD1)

Source: 1103187-01

Prepared & Analyzed: 07/19/11

1,2,4-Trichlorobenzene	58.2	9.3	0.28	ug/L	93.5	<9.3	62.3	39.2-90.6	16.4	23.6	
1,4-Dichlorobenzene	55.5	9.3	0.27	ug/L	93.5	<9.3	59.3	34.1-81.6	15.7	22.4	
2,4-Dinitrotoluene	73.0	9.3	0.42	ug/L	93.5	<9.3	78.2	41.1-110	12.8	17.2	
2-Chlorophenol	65.9	9.3	0.36	ug/L	93.5	<9.3	70.5	30-96.4	13.3	23.7	
4-Chloro-3-methylphenol	71.3	9.3	0.45	ug/L	93.5	<9.3	76.3	30-113	14.3	24.1	
4-Nitrophenol	70.3	9.3	0.73	ug/L	93.5	<9.3	75.2	30-112	10.8	34.3	
Anthracene	76.7	9.3	0.52	ug/L	93.5	<9.3	82.1	30-119	14.8	24.5	
Benzo(a)anthracene	78.3	9.3	0.47	ug/L	93.5	<9.3	83.8	30-122	12.1	27.8	
Benzo(a)pyrene	79.5	9.3	0.38	ug/L	93.5	<9.3	85.0	30-118	12.7	27.1	
Chrysene	79.6	9.3	0.57	ug/L	93.5	<9.3	85.2	30-125	11.6	28	
Fluoranthene	77.5	9.3	0.57	ug/L	93.5	<9.3	82.9	31.6-119	15.8	25.9	
Fluorene	75.4	9.3	0.49	ug/L	93.5	<9.3	80.7	40.8-107	15.0	20.6	
N-Nitrosodi-n-propylamine	68.8	9.3	0.23	ug/L	93.5	<9.3	73.6	47.2-94.8	14.1	15.8	
Pentachlorophenol	59.6	9.3	0.84	ug/L	93.5	<9.3	63.7	30-130	18.6	25.5	
Phenanthrene	78.3	9.3	0.33	ug/L	93.5	<9.3	83.8	38.2-117	13.9	19.3	
Phenol	50.6	9.3	0.38	ug/L	93.5	<9.3	54.1	30-80	8.66	31.9	
Surrogate: 2,4,6-Tribromophenol	72.7			ug/L	93.5		77.8	30-122			
Surrogate: 2-Fluorobiphenyl	71.1			ug/L	93.5		76.0	39.2-104			
Surrogate: 2-Fluorophenol	59.8			ug/L	93.5		64.0	30-80.1			
Surrogate: Nitrobenzene-d5	70.3			ug/L	93.5		75.2	51.2-103			
Surrogate: Phenol-d6	52.8			ug/L	93.5		56.5	30-75.3			
Surrogate: Terphenyl-d14	72.5			ug/L	93.5		77.6	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2013 - EPA 5030 Water (Purge and Trap)

Blank (B1G2013-BLK1)

Prepared & Analyzed: 07/20/11

1,1,1,2-Tetrachloroethane	< 0.29	1.0	0.29	ug/L							
1,1,1-Trichloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2,2-Tetrachloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2-Trichloroethane	< 0.19	1.0	0.19	ug/L							
1,1,2-Trichlorotrifluoroethane	< 0.25	1.0	0.25	ug/L							
1,1-Dichloroethane	< 0.15	1.0	0.15	ug/L							
1,1-Dichloroethene	< 0.24	1.0	0.24	ug/L							
1,1-Dichloropropene	< 0.14	1.0	0.14	ug/L							
1,2,3-Trichlorobenzene	< 0.35	5.0	0.35	ug/L							
1,2,3-Trichloropropane	< 0.22	2.5	0.22	ug/L							
1,2,4-Trichlorobenzene	< 0.30	5.0	0.30	ug/L							
1,2,4-Trimethylbenzene	< 0.072	1.0	0.072	ug/L							
1,2-Dibromo-3-chloropropane	< 0.40	5.0	0.40	ug/L							
1,2-Dibromoethane (EDB)	< 0.15	2.5	0.15	ug/L							
1,2-Dichlorobenzene	< 0.12	1.0	0.12	ug/L							
1,2-Dichloroethane	< 0.26	1.0	0.26	ug/L							
1,2-Dichloropropane	< 0.19	1.0	0.19	ug/L							
1,3,5-Trimethylbenzene	< 0.11	1.0	0.11	ug/L							
1,3-Dichlorobenzene	< 0.15	1.0	0.15	ug/L							
1,3-Dichloropropane	< 0.16	1.0	0.16	ug/L							
1,4-Dichlorobenzene	< 0.081	1.0	0.081	ug/L							
2,2-Dichloropropane	< 0.66	5.0	0.66	ug/L							
2-Butanone	< 0.65	20	0.65	ug/L							
2-Chlorotoluene	< 0.081	1.0	0.081	ug/L							
4-Chlorotoluene	< 0.11	1.0	0.11	ug/L							
Acetone	< 3.8	20	3.8	ug/L							
Allyl chloride	< 0.51	5.0	0.51	ug/L							
Benzene	< 0.071	1.0	0.071	ug/L							
Bromobenzene	< 0.082	1.0	0.082	ug/L							
Bromochloromethane	< 0.20	1.0	0.20	ug/L							
Bromodichloromethane	< 0.23	1.0	0.23	ug/L							
Bromoform	< 0.26	5.0	0.26	ug/L							
Bromomethane	< 0.32	5.0	0.32	ug/L							
Carbon tetrachloride	< 0.15	1.0	0.15	ug/L							
Chlorobenzene	< 0.20	1.0	0.20	ug/L							
Chloroethane	< 0.27	2.5	0.27	ug/L							
Chloroform	< 0.15	1.0	0.15	ug/L							
Chloromethane	< 0.24	2.5	0.24	ug/L							
cis-1,2-Dichloroethene	< 0.12	1.0	0.12	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2013 - EPA 5030 Water (Purge and Trap)

Blank (B1G2013-BLK1)

Prepared & Analyzed: 07/20/11

cis-1,3-Dichloropropene	< 0.18	1.0	0.18	ug/L							
Dibromochloromethane	< 0.26	2.5	0.26	ug/L							
Dibromomethane	< 0.24	2.5	0.24	ug/L							
Dichlorodifluoromethane	< 0.25	5.0	0.25	ug/L							
Dichlorofluoromethane	< 0.21	1.0	0.21	ug/L							
Ethyl ether	< 0.27	5.0	0.27	ug/L							
Ethylbenzene	< 0.28	1.0	0.28	ug/L							
Hexachlorobutadiene	< 0.42	10	0.42	ug/L							
Isopropylbenzene	< 0.12	1.0	0.12	ug/L							
m,p-Xylene	< 0.57	2.0	0.57	ug/L							
Methyl isobutyl ketone	< 0.40	5.0	0.40	ug/L							
Methyl tert-butyl ether	< 0.16	1.0	0.16	ug/L							
Methylene chloride	< 0.85	5.0	0.85	ug/L							
Naphthalene	< 0.30	5.0	0.30	ug/L							
n-Butylbenzene	< 0.15	2.5	0.15	ug/L							
n-Propylbenzene	< 0.094	1.0	0.094	ug/L							
o-Xylene	< 0.19	1.0	0.19	ug/L							
p-Isopropyltoluene	< 0.14	2.5	0.14	ug/L							
sec-Butylbenzene	< 0.11	1.0	0.11	ug/L							
Styrene	< 0.21	1.0	0.21	ug/L							
tert-Butylbenzene	< 0.091	1.0	0.091	ug/L							
Tetrachloroethene	< 0.28	1.0	0.28	ug/L							
Tetrahydrofuran	< 0.75	20	0.75	ug/L							
Toluene	< 0.10	1.0	0.10	ug/L							
trans-1,2-Dichloroethene	< 0.056	1.0	0.056	ug/L							
trans-1,3-Dichloropropene	< 0.14	1.0	0.14	ug/L							
Trichloroethene	< 0.18	1.0	0.18	ug/L							
Trichlorofluoromethane	< 0.29	1.0	0.29	ug/L							
Vinyl chloride	< 0.21	1.0	0.21	ug/L							
Surrogate: 4-Bromofluorobenzene	50.4			ug/L	50.0		101	80-121			
Surrogate: Dibromofluoromethane	52.9			ug/L	50.0		106	79.9-121			
Surrogate: Toluene-d8	50.8			ug/L	50.0		102	80-120			

LCS (B1G2013-BS1)

Prepared & Analyzed: 07/20/11

1,1,2,2-Tetrachloroethane	49.6	1.0	0.16	ug/L	50.0		99.3	80-121			
1,1-Dichloroethane	51.0	1.0	0.15	ug/L	50.0		102	80-125			
1,1-Dichloroethene	40.4	1.0	0.24	ug/L	50.0		80.8	80-125			
1,3,5-Trimethylbenzene	48.1	1.0	0.11	ug/L	50.0		96.2	75.4-125			
1,4-Dichlorobenzene	48.9	1.0	0.081	ug/L	50.0		97.9	75-125			
2-Chlorotoluene	47.2	1.0	0.081	ug/L	50.0		94.4	75.4-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2013 - EPA 5030 Water (Purge and Trap)

LCS (B1G2013-BS1)

Prepared & Analyzed: 07/20/11

Benzene	50.5	1.0	0.071	ug/L	50.0		101	80-120			
Bromoform	49.2	5.0	0.26	ug/L	50.0		98.5	80-120			
Chlorobenzene	51.3	1.0	0.20	ug/L	50.0		103	80-120			
Chloroform	49.2	1.0	0.15	ug/L	50.0		98.3	80-123			
Ethylbenzene	50.6	1.0	0.28	ug/L	50.0		101	80-120			
n-Butylbenzene	57.6	2.5	0.15	ug/L	50.0		115	75-125			
n-Propylbenzene	49.9	1.0	0.094	ug/L	50.0		99.8	75.8-125			
Toluene	52.1	1.0	0.10	ug/L	50.0		104	80-120			
Trichloroethene	48.9	1.0	0.18	ug/L	50.0		97.8	80-120			
Vinyl chloride	50.4	1.0	0.21	ug/L	50.0		101	75-130			
Surrogate: 4-Bromofluorobenzene	53.0			ug/L	50.0		106	80-121			
Surrogate: Dibromofluoromethane	52.6			ug/L	50.0		105	79.9-121			
Surrogate: Toluene-d8	51.7			ug/L	50.0		103	80-120			

Matrix Spike (B1G2013-MS1)

Source: 1103187-01

Prepared & Analyzed: 07/20/11

1,1,2,2-Tetrachloroethane	51.8	1.0	0.16	ug/L	50.0	<1.0	104	76.8-125			
1,1-Dichloroethane	50.9	1.0	0.15	ug/L	50.0	<1.0	102	80-125			
1,1-Dichloroethene	40.6	1.0	0.24	ug/L	50.0	<1.0	81.3	80-125			
1,3,5-Trimethylbenzene	50.7	1.0	0.11	ug/L	50.0	<1.0	101	75-125			
1,4-Dichlorobenzene	50.4	1.0	0.081	ug/L	50.0	<1.0	101	75-125			
2-Chlorotoluene	48.9	1.0	0.081	ug/L	50.0	<1.0	97.8	75-125			
Benzene	51.1	1.0	0.071	ug/L	50.0	<1.0	102	80-120			
Bromoform	51.0	5.0	0.26	ug/L	50.0	<5.0	102	80-120			
Chlorobenzene	53.0	1.0	0.20	ug/L	50.0	<1.0	106	80-120			
Chloroform	57.1	1.0	0.15	ug/L	50.0	7.88	98.4	79.8-125			
Ethylbenzene	52.9	1.0	0.28	ug/L	50.0	<1.0	106	80-120			
n-Butylbenzene	60.2	2.5	0.15	ug/L	50.0	<2.5	120	75-130			
n-Propylbenzene	51.8	1.0	0.094	ug/L	50.0	<1.0	104	75-125			
Toluene	53.5	1.0	0.10	ug/L	50.0	<1.0	107	80-120			
Trichloroethene	50.1	1.0	0.18	ug/L	50.0	<1.0	98.6	80-120			
Vinyl chloride	48.4	1.0	0.21	ug/L	50.0	<1.0	96.8	75-130			
Surrogate: 4-Bromofluorobenzene	54.0			ug/L	50.0		108	80-121			
Surrogate: Dibromofluoromethane	52.4			ug/L	50.0		105	79.9-121			
Surrogate: Toluene-d8	51.5			ug/L	50.0		103	80-120			

Matrix Spike Dup (B1G2013-MSD1)

Source: 1103187-01

Prepared & Analyzed: 07/20/11

1,1,2,2-Tetrachloroethane	51.7	1.0	0.16	ug/L	50.0	<1.0	103	76.8-125	0.222	20	
1,1-Dichloroethane	53.5	1.0	0.15	ug/L	50.0	<1.0	107	80-125	4.91	20	
1,1-Dichloroethene	44.7	1.0	0.24	ug/L	50.0	<1.0	89.3	80-125	9.45	20	
1,3,5-Trimethylbenzene	50.3	1.0	0.11	ug/L	50.0	<1.0	101	75-125	0.950	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2013 - EPA 5030 Water (Purge and Trap)											
Matrix Spike Dup (B1G2013-MSD1)		Source: 1103187-01				Prepared & Analyzed: 07/20/11					
1,4-Dichlorobenzene	49.9	1.0	0.081	ug/L	50.0	<1.0	99.7	75-125	1.03	20	
2-Chlorotoluene	48.2	1.0	0.081	ug/L	50.0	<1.0	96.3	75-125	1.52	20	
Benzene	51.8	1.0	0.071	ug/L	50.0	<1.0	104	80-120	1.37	20	
Bromoform	49.4	5.0	0.26	ug/L	50.0	<5.0	98.7	80-120	3.14	20	
Chlorobenzene	51.6	1.0	0.20	ug/L	50.0	<1.0	103	80-120	2.74	20	
Chloroform	58.2	1.0	0.15	ug/L	50.0	7.88	101	79.8-125	1.91	20	
Ethylbenzene	50.4	1.0	0.28	ug/L	50.0	<1.0	101	80-120	4.82	20	
n-Butylbenzene	60.8	2.5	0.15	ug/L	50.0	<2.5	122	75-130	0.893	20	
n-Propylbenzene	51.7	1.0	0.094	ug/L	50.0	<1.0	103	75-125	0.0352	20	
Toluene	53.6	1.0	0.10	ug/L	50.0	<1.0	107	80-120	0.135	20	
Trichloroethene	49.8	1.0	0.18	ug/L	50.0	<1.0	98.1	80-120	0.492	20	
Vinyl chloride	49.0	1.0	0.21	ug/L	50.0	<1.0	97.9	75-130	1.15	20	
Surrogate: 4-Bromofluorobenzene	52.8			ug/L	50.0		106	80-121			
Surrogate: Dibromofluoromethane	51.6			ug/L	50.0		103	79.9-121			
Surrogate: Toluene-d8	52.0			ug/L	50.0		104	80-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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WET CHEMISTRY - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2106 - General Prep											
Blank (B1G2106-BLK1)											
Total Alkalinity as CaCO(3)	< 20	20	5.3	mg/L							Prepared: 07/21/11 Analyzed: 07/26/11
Duplicate (B1G2106-DUP1)											
Source: 1103117-01											
Total Alkalinity as CaCO(3)	306	20	5.3	mg/L		310			1.30	20	Prepared: 07/21/11 Analyzed: 07/26/11
Reference (B1G2106-SRM1)											
Total Alkalinity as CaCO(3)	241			mg/L	249		96.8	90-110			Prepared: 07/21/11 Analyzed: 07/26/11

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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ANIONS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1513 - General Prep Dept 4											
Blank (B1G1513-BLK1)											
						Prepared & Analyzed: 07/15/11					
Chloride	< 0.10	0.10	0.0029	mg/L							
Nitrate as N	< 0.023	0.023	0.0045	mg/L							
Nitrite as N	< 0.030	0.030	0.0023	mg/L							
Sulfate as SO(4)	< 0.10	0.10	0.024	mg/L							
LCS (B1G1513-BS1)											
						Prepared & Analyzed: 07/15/11					
Chloride	4.10	0.10	0.0029	mg/L	4.00		102	80-120			
Nitrate as N	0.908	0.023	0.0045	mg/L	0.904		101	85-115			
Nitrite as N	1.28	0.030	0.0023	mg/L	1.22		105	85-115			
Sulfate as SO(4)	6.19	0.10	0.024	mg/L	6.00		103	80-120			
LCS Dup (B1G1513-BSD1)											
						Prepared & Analyzed: 07/15/11					
Chloride	4.10	0.10	0.0029	mg/L	4.00		103	80-120	0.0342	15	
Nitrate as N	0.912	0.023	0.0045	mg/L	0.904		101	85-115	0.375	20	
Nitrite as N	1.28	0.030	0.0023	mg/L	1.22		105	85-115	0.109	20	
Sulfate as SO(4)	6.17	0.10	0.024	mg/L	6.00		103	80-120	0.343	15	
Matrix Spike (B1G1513-MS1)											
						Source: 1103187-01 Prepared & Analyzed: 07/15/11					
Chloride	61.4	1.0	0.029	mg/L	40.0	13.7	119	80-120			
Nitrate as N	22.2	0.23	0.045	mg/L	9.04	10.4	131	85-115			M1
Sulfate as SO(4)	97.9	1.0	0.24	mg/L	60.0	25.9	120	80-120			
Matrix Spike (B1G1513-MS2)											
						Source: 1103187-01 Prepared & Analyzed: 07/15/11					
Nitrite as N	1.42	0.030	0.0023	mg/L	1.22	<0.030	117	85-115			QM-01
Matrix Spike Dup (B1G1513-MSD1)											
						Source: 1103187-01 Prepared & Analyzed: 07/15/11					
Chloride	61.6	1.0	0.029	mg/L	40.0	13.7	120	80-120	0.311	15	
Nitrate as N	22.1	0.23	0.045	mg/L	9.04	10.4	130	85-115	0.291	20	M1
Sulfate as SO(4)	97.9	1.0	0.24	mg/L	60.0	25.9	120	80-120	0.0582	15	
Matrix Spike Dup (B1G1513-MSD2)											
						Source: 1103187-01 Prepared & Analyzed: 07/15/11					
Nitrite as N	1.43	0.030	0.0023	mg/L	1.22	<0.030	118	85-115	0.764	20	QM-01

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103187 Date Reported: 07/28/11
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ANIONS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2204 - General Prep Dept 4											
Blank (B1G2204-BLK1)											
Perchlorate	< 0.10	0.10	0.019	mg/L							Prepared: 07/22/11 Analyzed: 07/26/11
LCS (B1G2204-BS1)											
Perchlorate	1.96	0.10	0.019	mg/L	2.01		97.7	80-120			Prepared: 07/22/11 Analyzed: 07/26/11
Matrix Spike (B1G2204-MS1)											
	Source: 1103117-01										Prepared: 07/22/11 Analyzed: 07/26/11
Perchlorate	1.99	0.10	0.019	mg/L	2.01	<0.10	99.2	80-120			
Matrix Spike Dup (B1G2204-MSD1)											
	Source: 1103117-01										Prepared: 07/22/11 Analyzed: 07/26/11
Perchlorate	1.99	0.10	0.019	mg/L	2.01	<0.10	99.1	80-120	0.0602	15	

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103187
Date Reported: 07/28/11

Notes and Definitions

QM-01 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

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St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4786 Hwy 77th Street
Minneapolis, MN 55175-6003
(952) 832-2000

BARR

Project Number: 2319-1042 48RE 810 1103187
Project Name: Upper RI - Existing Gutters - Site Wide
Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: **NO 36485**

Location	Start Depth	Stop Depth	Depth Unit (in ft)	Collection Date (month/day)	Collection Time (hh:mm)	Matrix		Type	Number of Containers Preservative				Total Number of Containers	COC of 1
						Soil	Water		White	SOCS (Impervious) #2	SOCS (Impervious) #1	VOCs (Aqueous) #1		
MW-28				7/14/2011	11:28	X	X	X	9	33	33			
MW-23D					14:54	X	X	X	3	11	11			
FB-1						X	X	X	3	11	11			
Top Bank						X	X	X	1	1	1			

Notes:
Analyze for Metals, VOCs, SVOCs, Aldehydes, Chloride, Perchlorate, Sulfide, Nitrate, Nitrite
Analyze for VOCs
Analyze for VOCs

Project Manager: JME
Project OC Contact: AAN
Sampled By: ANVARS
Laboratory: Legend

Received By:	Date:	Time:
[Signature]	7/15/11	6:00
[Signature]	7/15/11	11:45

Requisitioned By: [Signature]
Requisitioned Date: 7/15/11
On Ice? Yes No

Common Parameter/Container - Preservation Key:
#1 Volatile Organics - RTE-V, GRO 1PH, S360 Full Liner
#2 Semi-volatile Organics - P414, PCP, Dioxin, S240
#3 Gen tox = pH, Cadmate, Fluoride, Aldehydes, TSS, TDS, TS, Sulfate
#4 Nutrients = COD, TOC, Phosphate, Ammonia Nitrogen, TKV

Distribution: White - Original Accompanies, Shipment; to Lab; Yellow - Field Copy; Pink - Job Coordinator

Air Bill Number: 4-0-2 RR, window seals



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
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July 29, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103192
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 07/15/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of the original report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in black ink that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E160D-TT2_0.5-0.5	1103192-01	Soil	07/14/11 08:00	07/15/11 11:45
E160D-TT1_0.5-0.5	1103192-02	Soil	07/14/11 08:30	07/15/11 11:45
GC-SS3_0.5-0.5	1103192-03	Soil	07/14/11 09:30	07/15/11 11:45
M-2	1103192-04	Soil	07/14/11 00:00	07/15/11 11:45
FB-GC-SS3	1103192-05	Water	07/14/11 10:00	07/15/11 11:45

Shipping Container Information

Default Cooler

Temperature (°C):

Received on ice: Yes
 Received on melt water: No
 Custody seals: Yes

Temperature blank was present
 Ambient: No

Received on ice pack: No
 Acceptable (IH/ISO only): No

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

MPCA does not require certification for the following parameters: flashpoint.

Recoveries for b-BHC, d-BHC, 4,4'-DDE and 4,4'-DDD were above the method acceptance limits and recoveries for 4,4'-DDT, and methoxychlor were below the method acceptance limits in the ending 8081A continuing calibration verification standard (CCVS). However, following calibration evaluation procedures per EPA 8000B, the average % difference for all analytes was within the method limit, verifying the calibration. The specific analytes are flagged as required.

An LCS/LCSD were prepared and analyzed for 8081A water batch B1G2005 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

Recovery for 4,4'-DDT was above laboratory acceptance limits in the 8081A batch B1G2201 MSD but within limits in the LCS and MS. The source sample was sample GC-SS3_0.5-0.5.

Recovery for mercury in the MS/MSD samples for batch B1G2605 were below the laboratory control limits. The LCS/LCSD samples and corresponding RPDs were within limits. The MS/MSD source sample was not associated with this work order.

This report was revised on July 29, 2011 to include the RCRA ICP metal results.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT2_0.5-0.5 (1103192-01) Soil Sampled: 07/14/11 08:00 Received: 07/15/11 11:45										
Arsenic	6.3	0.57	0.063	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Barium	170	1.1	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	0.31	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	51	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	69	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1G2605	07/26/11	07/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
E160D-TT1_0.5-0.5 (1103192-02) Soil Sampled: 07/14/11 08:30 Received: 07/15/11 11:45										
Arsenic	5.3	0.60	0.065	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Barium	120	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	0.77	0.30	0.039	mg/kg dry	1	"	"	"	"	
Chromium	28	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	230	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	0.14	0.11	0.021	mg/kg dry	1	B1G2605	07/26/11	07/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
GC-SS3_0.5-0.5 (1103192-03) Soil Sampled: 07/14/11 09:30 Received: 07/15/11 11:45										
Arsenic	2.6	0.51	0.056	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Barium	34	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	11	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	3.9	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1G2605	07/26/11	07/28/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1G1807	07/18/11	07/29/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT2_0.5-0.5 (1103192-01) Soil Sampled: 07/14/11 08:00 Received: 07/15/11 11:45										
% Solids	87			%	1	B1G1922	07/19/11	07/20/11	% calculation	
E160D-TT1_0.5-0.5 (1103192-02) Soil Sampled: 07/14/11 08:30 Received: 07/15/11 11:45										
% Solids	84			%	1	B1G1922	07/19/11	07/20/11	% calculation	
GC-SS3_0.5-0.5 (1103192-03) Soil Sampled: 07/14/11 09:30 Received: 07/15/11 11:45										
% Solids	94			%	1	B1G1922	07/19/11	07/20/11	% calculation	
M-2 (1103192-04) Soil Sampled: 07/14/11 00:00 Received: 07/15/11 11:45										
% Solids	94			%	1	B1G1922	07/19/11	07/20/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS3_0.5-0.5 (1103192-03) Soil Sampled: 07/14/11 09:30 Received: 07/15/11 11:45										
4,4'-DDD	<0.043	0.043	0.0021	mg/kg dry	1	B1G2201	07/22/11	07/23/11	EPA 8081A	V7
4,4'-DDE	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	V7
4,4'-DDT	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	M1, V8
Aldrin	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.043	0.043	0.0023	mg/kg dry	1	"	"	"	"	V7
delta-BHC	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	V7
Dieldrin	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.043	0.043	0.0023	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
Endrin	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.043	0.043	0.0015	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	V8
Toxaphene	<0.085	0.085	0.017	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	94.0			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	103			65.2-135 %		"	"	"	"	

M-2 (1103192-04) Soil Sampled: 07/14/11 00:00 Received: 07/15/11 11:45										
4,4'-DDD	<0.043	0.043	0.0021	mg/kg dry	1	B1G2201	07/22/11	07/23/11	EPA 8081A	V7
4,4'-DDE	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	V7
4,4'-DDT	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	V8
Aldrin	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.043	0.043	0.0023	mg/kg dry	1	"	"	"	"	V7
delta-BHC	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	V7
Dieldrin	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.043	0.043	0.0023	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
Endrin	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.043	0.043	0.0015	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-2 (1103192-04) Soil Sampled: 07/14/11 00:00 Received: 07/15/11 11:45										
gamma-BHC (Lindane)	<0.043	0.043	0.0022	mg/kg dry	1	B1G2201	07/22/11	07/23/11	EPA 8081A	
gamma-Chlordane	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.043	0.043	0.0021	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.043	0.043	0.0022	mg/kg dry	1	"	"	"	"	V8
Toxaphene	<0.085	0.085	0.017	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	99.0			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	109			65.2-135 %		"	"	"	"	
FB-GC-SS3 (1103192-05) Water Sampled: 07/14/11 10:00 Received: 07/15/11 11:45										
4,4'-DDD	<0.029	0.37	0.029	ug/L	1	B1G2005	07/20/11	07/23/11	EPA 8081A	V7
4,4'-DDE	<0.029	0.37	0.029	ug/L	1	"	"	"	"	V7
4,4'-DDT	<0.029	0.37	0.029	ug/L	1	"	"	"	"	V8
Aldrin	<0.031	0.37	0.031	ug/L	1	"	"	"	"	
alpha-BHC	<0.026	0.37	0.026	ug/L	1	"	"	"	"	
alpha-Chlordane	<0.030	0.37	0.030	ug/L	1	"	"	"	"	
beta-BHC	<0.029	0.37	0.029	ug/L	1	"	"	"	"	V7
delta-BHC	<0.028	0.37	0.028	ug/L	1	"	"	"	"	V7
Dieldrin	<0.029	0.37	0.029	ug/L	1	"	"	"	"	
Endosulfan I	<0.030	0.37	0.030	ug/L	1	"	"	"	"	
Endosulfan II	<0.030	0.37	0.030	ug/L	1	"	"	"	"	
Endosulfan sulfate	<0.029	0.37	0.029	ug/L	1	"	"	"	"	
Endrin	<0.031	0.37	0.031	ug/L	1	"	"	"	"	
Endrin aldehyde	<0.037	0.37	0.037	ug/L	1	"	"	"	"	
Endrin ketone	<0.029	0.37	0.029	ug/L	1	"	"	"	"	
gamma-BHC (Lindane)	<0.027	0.37	0.027	ug/L	1	"	"	"	"	
gamma-Chlordane	<0.030	0.37	0.030	ug/L	1	"	"	"	"	
Heptachlor	<0.029	0.37	0.029	ug/L	1	"	"	"	"	
Heptachlor epoxide	<0.029	0.37	0.029	ug/L	1	"	"	"	"	
Methoxychlor	<0.027	0.37	0.027	ug/L	1	"	"	"	"	V8
Toxaphene	<0.27	0.93	0.27	ug/L	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	104			80.6-122 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	98.5			71.7-111 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT2_0.5-0.5 (1103192-01) Soil Sampled: 07/14/11 08:00 Received: 07/15/11 11:45										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1G2105	07/21/11	07/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.32	0.38	0.041	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	2.0	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	0.048	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	4.9	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	7.8	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	6.9	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	8.4	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	2.3	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT2_0.5-0.5 (1103192-01) Soil Sampled: 07/14/11 08:00 Received: 07/15/11 11:45										
Benzo(k)fluoranthene	3.7	0.38	0.055	mg/kg dry	1	B1G2105	07/21/11	07/21/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	2.4	0.38	0.040	mg/kg dry	1	"	"	"	"	
Chrysene	8.2	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.90	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	1.0	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	19	1.9	0.22	mg/kg dry	5	"	"	07/22/11	"	
Fluorene	2.1	0.38	0.040	mg/kg dry	1	"	"	07/21/11	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	3.1	0.38	0.046	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	0.50	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	17	1.9	0.21	mg/kg dry	5	"	"	07/22/11	"	
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	07/21/11	"	
Pyrene	16	1.9	0.24	mg/kg dry	5	"	"	07/22/11	"	
Surrogate: 2,4,6-Tribromophenol	96.6			53-107 %		"	"	07/21/11	"	
Surrogate: 2-Fluorobiphenyl	67.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT1_0.5-0.5 (1103192-02) Soil Sampled: 07/14/11 08:30 Received: 07/15/11 11:45										
1,2,4-Trichlorobenzene	<0.074	0.79	0.074	mg/kg dry	2	B1G2105	07/21/11	07/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.079	0.79	0.079	mg/kg dry	2	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.086	0.79	0.086	mg/kg dry	2	"	"	"	"	
1,3-Dichlorobenzene	<0.074	0.79	0.074	mg/kg dry	2	"	"	"	"	
1,4-Dichlorobenzene	<0.069	0.79	0.069	mg/kg dry	2	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.19	1.6	0.19	mg/kg dry	2	"	"	"	"	
2,4,5-Trichlorophenol	<0.088	1.6	0.088	mg/kg dry	2	"	"	"	"	
2,4,6-Trichlorophenol	<0.19	1.6	0.19	mg/kg dry	2	"	"	"	"	
2,4-Dichlorophenol	<0.18	1.6	0.18	mg/kg dry	2	"	"	"	"	
2,4-Dimethylphenol	<0.19	1.6	0.19	mg/kg dry	2	"	"	"	"	
2,4-Dinitrophenol	<0.076	1.6	0.076	mg/kg dry	2	"	"	"	"	
2,4-Dinitrotoluene	<0.083	0.79	0.083	mg/kg dry	2	"	"	"	"	
2,6-Dichlorophenol	<0.16	1.6	0.16	mg/kg dry	2	"	"	"	"	
2,6-Dinitrotoluene	<0.093	0.79	0.093	mg/kg dry	2	"	"	"	"	
2-Chloronaphthalene	<0.081	0.79	0.081	mg/kg dry	2	"	"	"	"	
2-Chlorophenol	<0.14	1.6	0.14	mg/kg dry	2	"	"	"	"	
2-Methylnaphthalene	1.1	0.79	0.086	mg/kg dry	2	"	"	"	"	
2-Methylphenol	<0.081	1.6	0.081	mg/kg dry	2	"	"	"	"	
2-Nitroaniline	<0.090	0.79	0.090	mg/kg dry	2	"	"	"	"	
2-Nitrophenol	<0.20	1.6	0.20	mg/kg dry	2	"	"	"	"	
3&4-Methylphenol	<0.076	1.6	0.076	mg/kg dry	2	"	"	"	"	
3,3'-Dichlorobenzidine	<0.36	3.8	0.36	mg/kg dry	2	"	"	"	"	
3-Nitroaniline	<0.064	0.79	0.064	mg/kg dry	2	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.081	1.6	0.081	mg/kg dry	2	"	"	"	"	
4-Bromophenyl phenyl ether	<0.079	0.79	0.079	mg/kg dry	2	"	"	"	"	
4-Chloro-3-methylphenol	<0.16	1.6	0.16	mg/kg dry	2	"	"	"	"	
4-Chloroaniline	<0.064	1.6	0.064	mg/kg dry	2	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.086	0.79	0.086	mg/kg dry	2	"	"	"	"	
4-Nitroaniline	<0.081	0.79	0.081	mg/kg dry	2	"	"	"	"	
4-Nitrophenol	<0.22	1.6	0.22	mg/kg dry	2	"	"	"	"	
Acenaphthene	5.1	0.79	0.090	mg/kg dry	2	"	"	"	"	
Acenaphthylene	<0.098	0.79	0.098	mg/kg dry	2	"	"	"	"	
Aniline	<0.074	1.6	0.074	mg/kg dry	2	"	"	"	"	
Anthracene	13	0.79	0.086	mg/kg dry	2	"	"	"	"	
Benzidine	<0.45	6.0	0.45	mg/kg dry	2	"	"	"	"	
Benzo(a)anthracene	22	0.79	0.098	mg/kg dry	2	"	"	"	"	
Benzo(a)pyrene	20	0.79	0.10	mg/kg dry	2	"	"	"	"	
Benzo(b)fluoranthene	21	3.9	0.51	mg/kg dry	10	"	"	07/22/11	"	
Benzo(g,h,i)perylene	5.5	0.79	0.10	mg/kg dry	2	"	"	07/21/11	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT1_0.5-0.5 (1103192-02) Soil Sampled: 07/14/11 08:30 Received: 07/15/11 11:45										
Benzo(k)fluoranthene	9.9	0.79	0.11	mg/kg dry	2	B1G2105	07/21/11	07/21/11	EPA 8270C	
Benzoic acid	<0.057	0.79	0.057	mg/kg dry	2	"	"	"	"	
Benzyl alcohol	<0.23	1.6	0.23	mg/kg dry	2	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.081	0.79	0.081	mg/kg dry	2	"	"	"	"	
Bis(2-chloroethyl)ether	<0.083	0.79	0.083	mg/kg dry	2	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.081	0.79	0.081	mg/kg dry	2	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.11	0.79	0.11	mg/kg dry	2	"	"	"	"	
Butyl benzyl phthalate	<0.10	0.79	0.10	mg/kg dry	2	"	"	"	"	
Carbazole	5.8	0.79	0.083	mg/kg dry	2	"	"	"	"	
Chrysene	22	0.79	0.10	mg/kg dry	2	"	"	"	"	
Dibenz(a,h)anthracene	1.9	0.79	0.10	mg/kg dry	2	"	"	"	"	
Dibenzofuran	2.7	0.79	0.079	mg/kg dry	2	"	"	"	"	
Diethyl phthalate	<0.074	0.79	0.074	mg/kg dry	2	"	"	"	"	
Dimethyl phthalate	<0.071	0.79	0.071	mg/kg dry	2	"	"	"	"	
Di-n-butyl phthalate	<0.10	0.79	0.10	mg/kg dry	2	"	"	"	"	
Di-n-octyl phthalate	<0.11	0.79	0.11	mg/kg dry	2	"	"	"	"	
Fluoranthene	43	3.9	0.46	mg/kg dry	10	"	"	07/22/11	"	
Fluorene	5.6	0.79	0.083	mg/kg dry	2	"	"	07/21/11	"	
Hexachlorobenzene	<0.086	0.79	0.086	mg/kg dry	2	"	"	"	"	
Hexachlorobutadiene	<0.071	0.79	0.071	mg/kg dry	2	"	"	"	"	
Hexachlorocyclopentadiene	<0.057	0.79	0.057	mg/kg dry	2	"	"	"	"	
Hexachloroethane	<0.071	0.79	0.071	mg/kg dry	2	"	"	"	"	
Indeno (1,2,3-cd) pyrene	7.4	0.79	0.095	mg/kg dry	2	"	"	"	"	
Isophorone	<0.074	0.79	0.074	mg/kg dry	2	"	"	"	"	
Naphthalene	2.0	0.79	0.079	mg/kg dry	2	"	"	"	"	
Nitrobenzene	<0.079	0.79	0.079	mg/kg dry	2	"	"	"	"	
N-Nitrosodimethylamine	<0.052	0.79	0.052	mg/kg dry	2	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.079	0.79	0.079	mg/kg dry	2	"	"	"	"	
N-Nitrosodiphenylamine	<0.062	0.79	0.062	mg/kg dry	2	"	"	"	"	
Pentachlorophenol	<0.19	1.6	0.19	mg/kg dry	2	"	"	"	"	
Phenanthrene	39	3.9	0.43	mg/kg dry	10	"	"	07/22/11	"	
Phenol	<0.16	1.6	0.16	mg/kg dry	2	"	"	07/21/11	"	
Pyrene	36	3.9	0.49	mg/kg dry	10	"	"	07/22/11	"	
Surrogate: 2,4,6-Tribromophenol	72.4			53-107 %		"	"	07/21/11	"	
Surrogate: 2-Fluorobiphenyl	75.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	77.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	75.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS3_0.5-0.5 (1103192-03) Soil Sampled: 07/14/11 09:30 Received: 07/15/11 11:45										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1G2105	07/21/11	07/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.11	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.090	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.11	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS3_0.5-0.5 (1103192-03) Soil Sampled: 07/14/11 09:30 Received: 07/15/11 11:45										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1G2105	07/21/11	07/21/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Chrysene	0.096	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.17	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.12	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	0.17	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	64.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	58.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	51.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	57.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	56.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.5			51-99.6 %		"	"	"	"	



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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT2_0.5-0.5 (1103192-01) Soil Sampled: 07/14/11 08:00 Received: 07/15/11 11:45										
Flashpoint	>140			°F	1	B1G2710	07/27/11	07/28/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G1807 - EPA 3050B

Blank (B1G1807-BLK1)

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1G1807-BS1)

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	40.7	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.0	1.0	0.060	mg/kg wet	39.9		105	80-120			
Cadmium	40.9	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.4	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	40.6	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.18	0.25	0.016	mg/kg wet	3.99		105	80-120			

LCS Dup (B1G1807-BSD1)

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	40.7	0.50	0.055	mg/kg wet	39.9		102	80-120	0.0527	20	
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120	0.408	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	0.369	20	
Chromium	41.5	0.50	0.012	mg/kg wet	39.9		104	80-120	0.420	20	
Lead	41.3	1.0	0.14	mg/kg wet	39.9		103	80-120	0.325	20	
Selenium	40.4	1.0	0.095	mg/kg wet	39.9		101	80-120	0.275	20	
Silver	4.13	0.25	0.016	mg/kg wet	3.99		103	80-120	1.21	20	

Matrix Spike (B1G1807-MS1)

Source: 1103147-07

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	42.1	0.52	0.057	mg/kg dry	40.8	2.71	96.4	75-125			
Barium	71.3	1.0	0.062	mg/kg dry	40.8	27.1	108	75-125			
Cadmium	40.3	0.26	0.034	mg/kg dry	40.8	<0.26	98.5	75-125			
Chromium	49.0	0.52	0.012	mg/kg dry	40.8	8.34	99.5	75-125			
Lead	43.1	1.0	0.15	mg/kg dry	40.8	4.30	95.1	75-125			
Selenium	38.8	1.0	0.099	mg/kg dry	40.8	<1.0	95.0	75-125			
Silver	3.98	0.26	0.017	mg/kg dry	4.08	<0.26	97.4	75-125			

Matrix Spike Dup (B1G1807-MSD1)

Source: 1103147-07

Prepared: 07/18/11 Analyzed: 07/29/11

Arsenic	41.9	0.52	0.057	mg/kg dry	39.7	2.71	98.7	75-125	0.500	20	
Barium	68.5	1.0	0.062	mg/kg dry	39.7	27.1	105	75-125	3.98	20	
Cadmium	39.7	0.26	0.034	mg/kg dry	39.7	<0.26	100	75-125	1.34	20	
Chromium	49.2	0.52	0.012	mg/kg dry	39.7	8.34	103	75-125	0.547	20	
Lead	41.6	1.0	0.15	mg/kg dry	39.7	4.30	94.1	75-125	3.58	20	
Selenium	38.8	1.0	0.099	mg/kg dry	39.7	<1.0	97.8	75-125	0.0475	20	



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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1807 - EPA 3050B											
Matrix Spike Dup (B1G1807-MSD1) Source: 1103147-07 Prepared: 07/18/11 Analyzed: 07/29/11											
Silver	3.95	0.26	0.017	mg/kg dry	3.97	<0.26	99.6	75-125	0.755	20	
Batch B1G2605 - EPA 7471A											
Blank (B1G2605-BLK1) Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G2605-BS1) Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	0.206	0.10	0.019	mg/kg wet	0.200		103	80-120			
LCS Dup (B1G2605-BSD1) Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	0.215	0.10	0.019	mg/kg wet	0.200		108	80-120	4.28	20	
Matrix Spike (B1G2605-MS1) Source: 1103147-03 Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	0.221	0.092	0.017	mg/kg dry	0.184	0.117	56.2	75-125			M2
Matrix Spike Dup (B1G2605-MSD1) Source: 1103147-03 Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	0.224	0.093	0.018	mg/kg dry	0.185	0.117	57.2	75-125	1.22	20	M2

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G1922 - General Preparation											
Duplicate (B1G1922-DUP1)											
						Source: 1103159-02	Prepared: 07/19/11	Analyzed: 07/20/11			
% Solids	78.0			%		77.0			1.29	20	
Duplicate (B1G1922-DUP2)											
						Source: 1103231-01	Prepared: 07/19/11	Analyzed: 07/20/11			
% Solids	86.0			%		86.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2005 - EPA 3510C (Sep Funnel)

Blank (B1G2005-BLK1)

Prepared: 07/20/11 Analyzed: 07/23/11

4,4'-DDD	< 0.031	0.40	0.031	ug/L							
4,4'-DDE	< 0.031	0.40	0.031	ug/L							
4,4'-DDT	< 0.031	0.40	0.031	ug/L							
Aldrin	< 0.033	0.40	0.033	ug/L							
alpha-BHC	< 0.028	0.40	0.028	ug/L							
alpha-Chlordane	< 0.032	0.40	0.032	ug/L							
beta-BHC	< 0.031	0.40	0.031	ug/L							
delta-BHC	< 0.030	0.40	0.030	ug/L							
Dieldrin	< 0.031	0.40	0.031	ug/L							
Endosulfan I	< 0.032	0.40	0.032	ug/L							
Endosulfan II	< 0.032	0.40	0.032	ug/L							
Endosulfan sulfate	< 0.031	0.40	0.031	ug/L							
Endrin	< 0.033	0.40	0.033	ug/L							
Endrin aldehyde	< 0.040	0.40	0.040	ug/L							
Endrin ketone	< 0.031	0.40	0.031	ug/L							
gamma-BHC (Lindane)	< 0.029	0.40	0.029	ug/L							
gamma-Chlordane	< 0.032	0.40	0.032	ug/L							
Heptachlor	< 0.031	0.40	0.031	ug/L							
Heptachlor epoxide	< 0.031	0.40	0.031	ug/L							
Methoxychlor	< 0.029	0.40	0.029	ug/L							
Toxaphene	< 0.29	1.0	0.29	ug/L							
Surrogate: Decachlorobiphenyl	1.14			ug/L	1.00		114	80.6-122			
Surrogate: Tetrachloro-meta-xylene	0.875			ug/L	1.00		87.5	71.7-111			

LCS (B1G2005-BS1)

Prepared: 07/20/11 Analyzed: 07/23/11

4,4'-DDD	1.40	0.40	0.031	ug/L	1.25		112	70-130		20	
4,4'-DDE	1.38	0.40	0.031	ug/L	1.25		111	70-130		20	
4,4'-DDT	1.60	0.40	0.031	ug/L	1.25		128	70-130		20	
Aldrin	1.17	0.40	0.033	ug/L	1.25		93.6	70-130		20	
alpha-BHC	1.34	0.40	0.028	ug/L	1.25		107	70-130		20	
alpha-Chlordane	1.36	0.40	0.032	ug/L	1.25		109	70-130		20	
beta-BHC	1.32	0.40	0.031	ug/L	1.25		105	70-130		20	
delta-BHC	1.36	0.40	0.030	ug/L	1.25		109	70-130		20	
Dieldrin	1.40	0.40	0.031	ug/L	1.25		112	70-130		20	
Endosulfan I	1.36	0.40	0.032	ug/L	1.25		109	70-130		20	
Endosulfan II	1.39	0.40	0.032	ug/L	1.25		111	70-130		20	
Endosulfan sulfate	1.42	0.40	0.031	ug/L	1.25		114	70-130		20	
Endrin	1.42	0.40	0.033	ug/L	1.25		114	70-130		20	
Endrin aldehyde	1.42	0.40	0.040	ug/L	1.25		113	70-130		20	
Endrin ketone	1.45	0.40	0.031	ug/L	1.25		116	70-130		20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G2005 - EPA 3510C (Sep Funnel)												
LCS (B1G2005-BS1)												
						Prepared: 07/20/11		Analyzed: 07/23/11				
gamma-BHC (Lindane)	1.35	0.40	0.029	ug/L	1.25		108	70-130		20		
gamma-Chlordane	1.38	0.40	0.032	ug/L	1.25		110	70-130		20		
Heptachlor	1.30	0.40	0.031	ug/L	1.25		104	70-130		20		
Heptachlor epoxide	1.37	0.40	0.031	ug/L	1.25		110	70-130		20		
Methoxychlor	1.46	0.40	0.029	ug/L	1.25		117	70-130		20		
Surrogate: Decachlorobiphenyl	1.16			ug/L	1.00		116	80.6-122				
Surrogate: Tetrachloro-meta-xylene	0.955			ug/L	1.00		95.5	71.7-111				
LCS Dup (B1G2005-BSD1)												
						Prepared: 07/20/11		Analyzed: 07/23/11				Q9, QM-10
4,4'-DDD	1.36	0.40	0.031	ug/L	1.25		109	70-130	3.25	20		
4,4'-DDE	1.34	0.40	0.031	ug/L	1.25		107	70-130	3.30	20		
4,4'-DDT	1.58	0.40	0.031	ug/L	1.25		126	70-130	1.57	20		
Aldrin	1.14	0.40	0.033	ug/L	1.25		90.8	70-130	3.04	20		
alpha-BHC	1.30	0.40	0.028	ug/L	1.25		104	70-130	3.03	20		
alpha-Chlordane	1.32	0.40	0.032	ug/L	1.25		106	70-130	2.97	20		
beta-BHC	1.28	0.40	0.031	ug/L	1.25		103	70-130	2.31	20		
delta-BHC	1.32	0.40	0.030	ug/L	1.25		106	70-130	2.61	20		
Dieldrin	1.36	0.40	0.031	ug/L	1.25		108	70-130	3.27	20		
Endosulfan I	1.32	0.40	0.032	ug/L	1.25		106	70-130	2.97	20		
Endosulfan II	1.36	0.40	0.032	ug/L	1.25		108	70-130	2.55	20		
Endosulfan sulfate	1.38	0.40	0.031	ug/L	1.25		111	70-130	2.50	20		
Endrin	1.38	0.40	0.033	ug/L	1.25		110	70-130	2.86	20		
Endrin aldehyde	1.39	0.40	0.040	ug/L	1.25		111	70-130	1.78	20		
Endrin ketone	1.42	0.40	0.031	ug/L	1.25		114	70-130	2.09	20		
gamma-BHC (Lindane)	1.32	0.40	0.029	ug/L	1.25		105	70-130	2.63	20		
gamma-Chlordane	1.33	0.40	0.032	ug/L	1.25		106	70-130	3.33	20		
Heptachlor	1.26	0.40	0.031	ug/L	1.25		101	70-130	3.11	20		
Heptachlor epoxide	1.33	0.40	0.031	ug/L	1.25		106	70-130	2.96	20		
Methoxychlor	1.44	0.40	0.029	ug/L	1.25		115	70-130	1.73	20		
Surrogate: Decachlorobiphenyl	1.14			ug/L	1.00		114	80.6-122				
Surrogate: Tetrachloro-meta-xylene	0.920			ug/L	1.00		92.0	71.7-111				

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2201 - EPA 3545 ASE Extraction

Blank (B1G2201-BLK1)

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDE	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDT	< 0.040	0.040	0.0020	mg/kg wet							
Aldrin	< 0.040	0.040	0.0021	mg/kg wet							
alpha-BHC	< 0.040	0.040	0.0020	mg/kg wet							
alpha-Chlordane	< 0.040	0.040	0.0020	mg/kg wet							
beta-BHC	< 0.040	0.040	0.0022	mg/kg wet							
delta-BHC	< 0.040	0.040	0.0020	mg/kg wet							
Dieldrin	< 0.040	0.040	0.0020	mg/kg wet							
Endosulfan I	< 0.040	0.040	0.0022	mg/kg wet							
Endosulfan II	< 0.040	0.040	0.0021	mg/kg wet							
Endosulfan sulfate	< 0.040	0.040	0.0021	mg/kg wet							
Endrin	< 0.040	0.040	0.0020	mg/kg wet							
Endrin aldehyde	< 0.040	0.040	0.0014	mg/kg wet							
Endrin ketone	< 0.040	0.040	0.0021	mg/kg wet							
gamma-BHC (Lindane)	< 0.040	0.040	0.0021	mg/kg wet							
gamma-Chlordane	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor epoxide	< 0.040	0.040	0.0020	mg/kg wet							
Methoxychlor	< 0.040	0.040	0.0021	mg/kg wet							
Toxaphene	< 0.080	0.080	0.016	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0703			mg/kg wet	0.0667		106	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0633			mg/kg wet	0.0667		95.0	65.2-135			

LCS (B1G2201-BS1)

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	0.0833	0.040	0.0020	mg/kg wet	0.0833		100	70-130			
4,4'-DDE	0.0847	0.040	0.0020	mg/kg wet	0.0833		102	70-130			
4,4'-DDT	0.0957	0.040	0.0020	mg/kg wet	0.0833		115	70-130			
Aldrin	0.0790	0.040	0.0021	mg/kg wet	0.0833		94.8	70-130			
alpha-BHC	0.0793	0.040	0.0020	mg/kg wet	0.0833		95.2	70-130			
alpha-Chlordane	0.0820	0.040	0.0020	mg/kg wet	0.0833		98.4	70-130			
beta-BHC	0.0810	0.040	0.0022	mg/kg wet	0.0833		97.2	70-130			
delta-BHC	0.0827	0.040	0.0020	mg/kg wet	0.0833		99.2	70-130			
Dieldrin	0.0830	0.040	0.0020	mg/kg wet	0.0833		99.6	70-130			
Endosulfan I	0.0810	0.040	0.0022	mg/kg wet	0.0833		97.2	70-130			
Endosulfan II	0.0827	0.040	0.0021	mg/kg wet	0.0833		99.2	70-130			
Endosulfan sulfate	0.0847	0.040	0.0021	mg/kg wet	0.0833		102	70-130			
Endrin	0.0853	0.040	0.0020	mg/kg wet	0.0833		102	70-130			
Endrin aldehyde	0.0717	0.040	0.0014	mg/kg wet	0.0833		86.0	70-130			
Endrin ketone	0.0867	0.040	0.0021	mg/kg wet	0.0833		104	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2201 - EPA 3545 ASE Extraction

LCS (B1G2201-BS1)

Prepared: 07/22/11 Analyzed: 07/23/11

gamma-BHC (Lindane)	0.0807	0.040	0.0021	mg/kg wet	0.0833		96.8	70-130			
gamma-Chlordane	0.0827	0.040	0.0021	mg/kg wet	0.0833		99.2	70-130			
Heptachlor	0.0813	0.040	0.0021	mg/kg wet	0.0833		97.6	70-130			
Heptachlor epoxide	0.0817	0.040	0.0020	mg/kg wet	0.0833		98.0	70-130			
Methoxychlor	0.0907	0.040	0.0021	mg/kg wet	0.0833		109	70-130			
Surrogate: Decachlorobiphenyl	0.0753			mg/kg wet	0.0667		113	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0677			mg/kg wet	0.0667		102	65.2-135			

Matrix Spike (B1G2201-MS1)

Source: 1103192-03

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	0.0953	0.043	0.0021	mg/kg dry	0.0899	<0.043	106	70-130			V7
4,4'-DDE	0.0971	0.043	0.0021	mg/kg dry	0.0899	<0.043	108	70-130			V7
4,4'-DDT	0.110	0.043	0.0021	mg/kg dry	0.0899	<0.043	122	70-130			V8
Aldrin	0.0903	0.043	0.0022	mg/kg dry	0.0899	<0.043	100	70-130			
alpha-BHC	0.0928	0.043	0.0021	mg/kg dry	0.0899	<0.043	103	70-130			
alpha-Chlordane	0.0913	0.043	0.0021	mg/kg dry	0.0899	<0.043	102	70-130			
beta-BHC	0.0928	0.043	0.0023	mg/kg dry	0.0899	<0.043	103	70-130			V7
delta-BHC	0.100	0.043	0.0021	mg/kg dry	0.0899	<0.043	112	70-130			V7
Dieldrin	0.0935	0.043	0.0021	mg/kg dry	0.0899	<0.043	104	70-130			
Endosulfan I	0.0885	0.043	0.0023	mg/kg dry	0.0899	<0.043	98.4	70-130			
Endosulfan II	0.0931	0.043	0.0022	mg/kg dry	0.0899	<0.043	104	70-130			
Endosulfan sulfate	0.0921	0.043	0.0022	mg/kg dry	0.0899	<0.043	102	70-130			
Endrin	0.101	0.043	0.0021	mg/kg dry	0.0899	<0.043	112	70-130			
Endrin aldehyde	0.0773	0.043	0.0015	mg/kg dry	0.0899	<0.043	86.0	70-130			
Endrin ketone	0.0942	0.043	0.0022	mg/kg dry	0.0899	<0.043	105	70-130			
gamma-BHC (Lindane)	0.0939	0.043	0.0022	mg/kg dry	0.0899	<0.043	104	70-130			
gamma-Chlordane	0.0928	0.043	0.0022	mg/kg dry	0.0899	<0.043	103	70-130			
Heptachlor	0.0939	0.043	0.0022	mg/kg dry	0.0899	<0.043	104	70-130			
Heptachlor epoxide	0.0917	0.043	0.0021	mg/kg dry	0.0899	<0.043	102	70-130			
Methoxychlor	0.107	0.043	0.0022	mg/kg dry	0.0899	<0.043	119	70-130			V8
Surrogate: Decachlorobiphenyl	0.0806			mg/kg dry	0.0719		112	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0791			mg/kg dry	0.0719		110	65.2-135			

Matrix Spike Dup (B1G2201-MSD1)

Source: 1103192-03

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	0.104	0.043	0.0021	mg/kg dry	0.0895	<0.043	116	70-130	8.26	17.3	V7
4,4'-DDE	0.104	0.043	0.0021	mg/kg dry	0.0895	<0.043	116	70-130	7.08	18.9	V7
4,4'-DDT	0.119	0.043	0.0021	mg/kg dry	0.0895	<0.043	132	70-130	7.44	37.6	M1, V8
Aldrin	0.0942	0.043	0.0022	mg/kg dry	0.0895	<0.043	105	70-130	4.26	26.6	
alpha-BHC	0.0978	0.043	0.0021	mg/kg dry	0.0895	<0.043	109	70-130	5.25	27.3	
alpha-Chlordane	0.0978	0.043	0.0021	mg/kg dry	0.0895	<0.043	109	70-130	6.81	17.2	
beta-BHC	0.0992	0.043	0.0023	mg/kg dry	0.0895	<0.043	111	70-130	6.70	24.7	V7

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2201 - EPA 3545 ASE Extraction											
Matrix Spike Dup (B1G2201-MSD1)		Source: 1103192-03			Prepared: 07/22/11		Analyzed: 07/23/11				
delta-BHC	0.107	0.043	0.0021	mg/kg dry	0.0895	<0.043	119	70-130	6.18	25.9	V7
Dieldrin	0.0996	0.043	0.0021	mg/kg dry	0.0895	<0.043	111	70-130	6.29	24.6	
Endosulfan I	0.0942	0.043	0.0023	mg/kg dry	0.0895	<0.043	105	70-130	6.28	18.2	
Endosulfan II	0.0989	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	5.95	16.6	
Endosulfan sulfate	0.0981	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	6.39	16.5	
Endrin	0.108	0.043	0.0021	mg/kg dry	0.0895	<0.043	120	70-130	6.82	18.9	
Endrin aldehyde	0.0810	0.043	0.0015	mg/kg dry	0.0895	<0.043	90.4	70-130	4.58	17.9	
Endrin ketone	0.0999	0.043	0.0022	mg/kg dry	0.0895	<0.043	112	70-130	5.88	15.7	
gamma-BHC (Lindane)	0.0989	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	5.18	27	
gamma-Chlordane	0.0992	0.043	0.0022	mg/kg dry	0.0895	<0.043	111	70-130	6.70	20	
Heptachlor	0.0981	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	4.46	20.3	
Heptachlor epoxide	0.0974	0.043	0.0021	mg/kg dry	0.0895	<0.043	109	70-130	6.05	26.2	
Methoxychlor	0.113	0.043	0.0022	mg/kg dry	0.0895	<0.043	126	70-130	5.79	20.2	V8
Surrogate: Decachlorobiphenyl	0.0806			mg/kg dry	0.0716		112	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0817			mg/kg dry	0.0716		114	65.2-135			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2105 - EPA 3545 ASE Extraction

Blank (B1G2105-BLK1)

Prepared & Analyzed: 07/21/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2105 - EPA 3545 ASE Extraction

Blank (B1G2105-BLK1)

Prepared & Analyzed: 07/21/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	3.95			mg/kg wet	6.67		59.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.14			mg/kg wet	6.67		62.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.71			mg/kg wet	6.67		55.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.16			mg/kg wet	6.67		62.4	48.9-100			
Surrogate: Phenol-d6	4.06			mg/kg wet	6.67		60.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.50			mg/kg wet	6.67		82.5	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103192
 Date Reported: 07/29/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2105 - EPA 3545 ASE Extraction

LCS (B1G2105-BS1)

Prepared & Analyzed: 07/21/11

1,2,4-Trichlorobenzene	4.17	0.33	0.031	mg/kg wet	6.67		62.5	59.1-87.7		20	
1,4-Dichlorobenzene	4.06	0.33	0.029	mg/kg wet	6.67		60.8	50.3-72.9		20	
2,4-Dinitrotoluene	5.04	0.33	0.035	mg/kg wet	6.67		75.7	59.8-82.2		20	
2-Chlorophenol	4.37	0.67	0.060	mg/kg wet	6.67		65.6	59.7-77.3		20	
4-Chloro-3-methylphenol	4.71	0.67	0.066	mg/kg wet	6.67		70.6	63.6-80.4		20	
4-Nitrophenol	5.15	0.67	0.093	mg/kg wet	6.67		77.3	57.3-84.9		20	
Anthracene	5.37	0.33	0.036	mg/kg wet	6.67		80.6	67.3-88		20	
Benzo(a)anthracene	5.28	0.33	0.041	mg/kg wet	6.67		79.2	66.5-90.5		20	
Benzo(a)pyrene	5.46	0.33	0.042	mg/kg wet	6.67		81.9	66.1-89.7		20	
Chrysene	5.37	0.33	0.044	mg/kg wet	6.67		80.5	65.5-90.5		20	
Fluoranthene	5.41	0.33	0.039	mg/kg wet	6.67		81.1	66.7-89.9		20	
Fluorene	5.21	0.33	0.035	mg/kg wet	6.67		78.1	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.84	0.33	0.033	mg/kg wet	6.67		72.6	59.4-78		20	
Pentachlorophenol	3.70	0.67	0.078	mg/kg wet	6.67		55.4	46.7-83.2		20	
Phenanthrene	5.40	0.33	0.036	mg/kg wet	6.67		81.1	67.5-87.9		20	
Phenol	4.56	0.67	0.069	mg/kg wet	6.67		68.3	59.5-76.6		20	
Surrogate: 2,4,6-Tribromophenol	4.45			mg/kg wet	6.67		66.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.92			mg/kg wet	6.67		73.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.45			mg/kg wet	6.67		66.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.85			mg/kg wet	6.67		72.7	48.9-100			
Surrogate: Phenol-d6	4.88			mg/kg wet	6.67		73.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.66			mg/kg wet	6.67		69.9	51-99.6			

Matrix Spike (B1G2105-MS1)

Source: 1103147-07

Prepared & Analyzed: 07/21/11

1,2,4-Trichlorobenzene	4.30	0.34	0.032	mg/kg dry	6.94	<0.34	62.0	44.8-97.9		19.6	
1,4-Dichlorobenzene	3.73	0.34	0.030	mg/kg dry	6.94	<0.34	53.7	42.3-77.9		22.4	
2,4-Dinitrotoluene	4.83	0.34	0.036	mg/kg dry	6.94	<0.34	69.6	57.3-86.6		19.5	
2-Chlorophenol	4.15	0.70	0.062	mg/kg dry	6.94	<0.70	59.8	43.3-93.2		23.7	
4-Chloro-3-methylphenol	4.78	0.70	0.069	mg/kg dry	6.94	<0.70	68.9	47.1-97.6		18.3	
4-Nitrophenol	4.67	0.70	0.097	mg/kg dry	6.94	<0.70	67.3	49.3-96.2		20.4	
Anthracene	5.36	0.34	0.038	mg/kg dry	6.94	<0.34	77.2	67.5-93.1		19.9	
Benzo(a)anthracene	5.48	0.34	0.043	mg/kg dry	6.94	<0.34	79.0	59.8-95.7		23.4	
Benzo(a)pyrene	5.63	0.34	0.044	mg/kg dry	6.94	<0.34	81.2	59.8-92.7		21.1	
Chrysene	5.63	0.34	0.046	mg/kg dry	6.94	<0.34	81.2	62.5-94.6		24.8	
Fluoranthene	5.17	0.34	0.041	mg/kg dry	6.94	<0.34	74.6	61.3-92.8		21.8	
Fluorene	4.79	0.34	0.036	mg/kg dry	6.94	<0.34	69.1	62.8-92.6		17.6	
N-Nitrosodi-n-propylamine	4.50	0.34	0.034	mg/kg dry	6.94	<0.34	64.9	46.9-89.9		18.9	
Pentachlorophenol	5.24	0.70	0.081	mg/kg dry	6.94	<0.70	75.6	40.1-95.1		19.7	
Phenanthrene	5.44	0.34	0.038	mg/kg dry	6.94	<0.34	78.4	65.2-92.2		20.5	
Phenol	3.70	0.70	0.072	mg/kg dry	6.94	<0.70	53.3	44.7-91		17.9	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2105 - EPA 3545 ASE Extraction

Matrix Spike (B1G2105-MS1)

Source: 1103147-07

Prepared & Analyzed: 07/21/11

Surrogate: 2,4,6-Tribromophenol	6.35			mg/kg dry	6.94		91.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.25			mg/kg dry	6.94		61.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.98			mg/kg dry	6.94		57.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.34			mg/kg dry	6.94		62.6	48.9-100			
Surrogate: Phenol-d6	4.44			mg/kg dry	6.94		64.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.99			mg/kg dry	6.94		72.0	51-99.6			

Matrix Spike Dup (B1G2105-MSD1)

Source: 1103147-07

Prepared & Analyzed: 07/21/11

1,2,4-Trichlorobenzene	4.27	0.34	0.032	mg/kg dry	6.94	<0.34	61.5	44.8-97.9	0.654	19.6	
1,4-Dichlorobenzene	3.77	0.34	0.030	mg/kg dry	6.94	<0.34	54.4	42.3-77.9	1.32	22.4	
2,4-Dinitrotoluene	4.61	0.34	0.036	mg/kg dry	6.94	<0.34	66.4	57.3-86.6	4.59	19.5	
2-Chlorophenol	4.11	0.70	0.062	mg/kg dry	6.94	<0.70	59.2	43.3-93.2	0.825	23.7	
4-Chloro-3-methylphenol	4.57	0.70	0.069	mg/kg dry	6.94	<0.70	65.8	47.1-97.6	4.36	18.3	
4-Nitrophenol	4.44	0.70	0.097	mg/kg dry	6.94	<0.70	63.9	49.3-96.2	5.06	20.4	
Anthracene	5.15	0.34	0.038	mg/kg dry	6.94	<0.34	74.1	67.5-93.1	3.98	19.9	
Benzo(a)anthracene	5.20	0.34	0.043	mg/kg dry	6.94	<0.34	74.9	59.8-95.7	5.14	23.4	
Benzo(a)pyrene	5.37	0.34	0.044	mg/kg dry	6.94	<0.34	77.3	59.8-92.7	4.72	21.1	
Chrysene	5.33	0.34	0.046	mg/kg dry	6.94	<0.34	76.7	62.5-94.6	5.59	24.8	
Fluoranthene	4.97	0.34	0.041	mg/kg dry	6.94	<0.34	71.6	61.3-92.8	3.86	21.8	
Fluorene	4.61	0.34	0.036	mg/kg dry	6.94	<0.34	66.4	62.8-92.6	3.89	17.6	
N-Nitrosodi-n-propylamine	4.44	0.34	0.034	mg/kg dry	6.94	<0.34	63.9	46.9-89.9	1.39	18.9	
Pentachlorophenol	5.03	0.70	0.081	mg/kg dry	6.94	<0.70	72.4	40.1-95.1	4.17	19.7	
Phenanthrene	5.21	0.34	0.038	mg/kg dry	6.94	<0.34	75.1	65.2-92.2	4.20	20.5	
Phenol	3.67	0.70	0.072	mg/kg dry	6.94	<0.70	52.8	44.7-91	0.821	17.9	
Surrogate: 2,4,6-Tribromophenol	5.99			mg/kg dry	6.94		86.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.11			mg/kg dry	6.94		59.2	53.9-97.9			
Surrogate: 2-Fluorophenol	3.92			mg/kg dry	6.94		56.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.18			mg/kg dry	6.94		60.3	48.9-100			
Surrogate: Phenol-d6	4.32			mg/kg dry	6.94		62.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.66			mg/kg dry	6.94		67.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2710 - General Prep											
Duplicate (B1G2710-DUP1)		Source: 1103147-07					Prepared & Analyzed: 07/27/11				
Flashpoint	>140			°F		0.00				5	
Reference (B1G2710-SRM1)											
Flashpoint	78.0			°F	78.0		100	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103192 Date Reported: 07/29/11
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Notes and Definitions

- V8 Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- V7 Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- QM-10 LCS/LCSD were analyzed in place of MS/MSD.
- Q9 Insufficient sample received to meet method QC requirements.
- M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
- M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2000

Project Number: 2319-1092-00 4801 810
Project Name: UMOVE EAST - GOW CENTRAL
Sample Origin State: MN (use two letter postal state abbreviation)

COC 1 of 1

Project Manager: JME
Project OC Contact: AAN
Sampled by: KCB
Laboratory: Legend

COC Number: NO 36486	Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Collection Time (hh:mm)	Number of Containers/Preservative														
							Water	Soil	Grb		OC	Water					Soil								
										VOCs (CHCl) #1	VOCs (unpreserved) #2	Disolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	VOCs (lared MeOH) #1	GRO BTEX (lared MeOH) #2	DRO (lared unpreserved)	Metals (unpreserved)	SVOs (unpreserved) #3	* Solids (plastic vial, unpres.)	Total Number Of Containers		
1	E160D-TT2	0.5	0.5	ft	01/14/2011	0800	X	X	X	X											XX	XX	XX	4	Analyze SVOs, PCBs, Metals & Flashpt
2	E160D-TT1	0.5	0.5	ft		0830	X	X	X	X											XX	XX	XX	3	Analyze SVOs
3	GC-SS3	0.5	0.5	ft		0930	X	X	X	X											XX	XX	XX	4	PCRA Metals, Analyze SVOs, OC, Pest, PCB, Metals
4	M-2	-	-	-		-	X	X	X	X											XX	XX	XX	2	Analyze OC, Pesticides
5	FB-GC-SS3	-	-	-		1000	X	X	X	X														1	
6																									
7																									
8																									
9																									
10																									

Relinquished By: Bart Schipke Date: 7/15/11 Time: 0600

Relinquished By: _____ Date: _____ Time: _____

Samples Shipped Via: Air Freight Federal Express Sampler Other: _____

Received by: William D Date: 7/15/11 Time: 11:45

Received by: _____ Date: _____ Time: _____

Air Bill Number: _____

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 6270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfide
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
 Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

1103192

BARR
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2000

Project Number: 2319-1092-00 4801 810
Project Name: UMOVE EAST - GOW CENTRAL
Sample Origin State: MN (use two letter postal state abbreviation)

NO 36486

COC Number: NO 36486	Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Collection Time (hh:mm)	Number of Containers/Preservative														
							Water	Soil	Grb		OC	Water					Soil								
										VOCs (CHCl) #1	VOCs (unpreserved) #2	Disolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	VOCs (lared MeOH) #1	GRO BTEX (lared MeOH) #2	DRO (lared unpreserved)	Metals (unpreserved)	SVOs (unpreserved) #3	* Solids (plastic vial, unpres.)	Total Number Of Containers		
1	E160D-TT2	0.5	0.5	ft	01/14/2011	0800	X	X	X	X											XX	XX	XX	4	Analyze SVOs, PCBs, Metals & Flashpt
2	E160D-TT1	0.5	0.5	ft		0830	X	X	X	X											XX	XX	XX	3	Analyze SVOs
3	GC-SS3	0.5	0.5	ft		0930	X	X	X	X											XX	XX	XX	4	PCRA Metals, Analyze SVOs, OC, Pest, PCB, Metals
4	M-2	-	-	-		-	X	X	X	X											XX	XX	XX	2	Analyze OC, Pesticides
5	FB-GC-SS3	-	-	-		1000	X	X	X	X														1	
6																									
7																									
8																									
9																									
10																									

Relinquished By: Bart Schipke Date: 7/15/11 Time: 0600

Relinquished By: _____ Date: _____ Time: _____

Samples Shipped Via: Air Freight Federal Express Sampler Other: _____

Received by: William D Date: 7/15/11 Time: 11:45

Received by: _____ Date: _____ Time: _____

Air Bill Number: _____

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 6270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfide
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
 Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
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Tel: 651-642-1150
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July 29, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103281
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 07/20/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of the original report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103281 Date Reported: 07/29/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B3-SS1_0.5-0.5	1103281-01	Soil	07/20/11 08:30	07/20/11 16:55

Shipping Container Information

Default Cooler Temperature (°C): 1.9

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): Yes
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

Recovery for mercury in the MS/MSD samples for batch B1G2605 were below the laboratory control limits. The LCS/LCSD samples and corresponding RPDs were within limits. The MS/MSD source sample was not associated with this work order.

This report was revised on July 29, 2011 to include the RCRA ICP metal results.

Recovery for barium in the MS sample for batch B1G29025 was above the laboratory control limit. The LCS/LCSD/MSD samples and corresponding RPDs were within limits. The MS/MSD source sample was B3-SS1_0.5-0.5.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103281 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3-SS1_0.5-0.5 (1103281-01) Soil Sampled: 07/20/11 08:30 Received: 07/20/11 16:55										
Arsenic	3.6	0.59	0.065	mg/kg dry	1	B1G2902	07/26/11	07/29/11	EPA 6010B	
Barium	60	1.2	0.071	mg/kg dry	1	"	"	"	"	M1
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	13	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	9.2	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1G2605	07/26/11	07/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1G2902	07/26/11	07/29/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103281 Date Reported: 07/29/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3-SS1_0.5-0.5 (1103281-01) Soil Sampled: 07/20/11 08:30 Received: 07/20/11 16:55										
% Solids	85			%	1	B1G2519	07/25/11	07/25/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103281 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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B3-SS1_0.5-0.5 (1103281-01) Soil Sampled: 07/20/11 08:30 Received: 07/20/11 16:55

1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1G2701	07/27/11	07/27/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103281 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B3-SS1_0.5-0.5 (1103281-01) Soil Sampled: 07/20/11 08:30 Received: 07/20/11 16:55										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1G2701	07/27/11	07/27/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	79.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103281 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2605 - EPA 7471A											
Blank (B1G2605-BLK1)						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G2605-BS1)						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.206	0.10	0.019	mg/kg wet	0.200		103	80-120			
LCS Dup (B1G2605-BSD1)						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.215	0.10	0.019	mg/kg wet	0.200		108	80-120	4.28	20	
Matrix Spike (B1G2605-MS1)						Source: 1103147-03 Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.221	0.092	0.017	mg/kg dry	0.184	0.117	56.2	75-125			M2
Matrix Spike Dup (B1G2605-MSD1)						Source: 1103147-03 Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.224	0.093	0.018	mg/kg dry	0.185	0.117	57.2	75-125	1.22	20	M2
Batch B1G2902 - EPA 3050B											
Blank (B1G2902-BLK1)						Prepared & Analyzed: 07/29/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G2902-BS1)						Prepared & Analyzed: 07/29/11					
Arsenic	41.2	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	42.1	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.9	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	41.6	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	40.8	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			
LCS Dup (B1G2902-BSD1)						Prepared & Analyzed: 07/29/11					
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120	0.459	20	
Barium	42.3	1.0	0.060	mg/kg wet	39.9		106	80-120	0.350	20	
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120	0.450	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120	0.506	20	
Lead	41.4	1.0	0.14	mg/kg wet	39.9		104	80-120	0.560	20	
Selenium	40.7	1.0	0.095	mg/kg wet	39.9		102	80-120	0.242	20	
Silver	4.18	0.25	0.016	mg/kg wet	3.99		105	80-120	0.643	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103281 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2902 - EPA 3050B											
Matrix Spike (B1G2902-MS1)		Source: 1103281-01				Prepared & Analyzed: 07/29/11					
Arsenic	47.6	0.56	0.061	mg/kg dry	44.5	3.60	98.9	75-125			
Barium	120	1.1	0.067	mg/kg dry	44.5	60.0	136	75-125			M1
Cadmium	44.2	0.28	0.037	mg/kg dry	44.5	<0.28	98.9	75-125			
Chromium	57.9	0.56	0.013	mg/kg dry	44.5	13.0	101	75-125			
Lead	52.0	1.1	0.16	mg/kg dry	44.5	9.17	96.4	75-125			
Selenium	42.5	1.1	0.11	mg/kg dry	44.5	<1.1	95.5	75-125			
Silver	4.38	0.28	0.018	mg/kg dry	4.45	<0.28	98.4	75-125			
Matrix Spike Dup (B1G2902-MSD1)											
Matrix Spike Dup (B1G2902-MSD1)		Source: 1103281-01				Prepared & Analyzed: 07/29/11					
Arsenic	47.8	0.59	0.065	mg/kg dry	45.6	3.60	96.9	75-125	0.496	20	
Barium	115	1.2	0.071	mg/kg dry	45.6	60.0	121	75-125	4.47	20	
Cadmium	44.5	0.29	0.039	mg/kg dry	45.6	<0.29	97.2	75-125	0.811	20	
Chromium	56.5	0.59	0.014	mg/kg dry	45.6	13.0	95.6	75-125	2.44	20	
Lead	52.5	1.2	0.16	mg/kg dry	45.6	9.17	95.0	75-125	0.880	20	
Selenium	43.7	1.2	0.11	mg/kg dry	45.6	<1.2	95.9	75-125	2.87	20	
Silver	4.46	0.29	0.019	mg/kg dry	4.56	<0.29	97.7	75-125	1.80	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103281 Date Reported: 07/29/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2519 - General Preparation											
Duplicate (B1G2519-DUP1)											
% Solids	92.0			%		93.0			1.08	20	
Duplicate (B1G2519-DUP2)											
% Solids	88.0			%		90.0			2.25	20	
Duplicate (B1G2519-DUP3)											
% Solids	74.0			%		73.0			1.36	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103281 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2701 - EPA 3545 ASE Extraction

Blank (B1G2701-BLK1)

Prepared & Analyzed: 07/27/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103281 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2701 - EPA 3545 ASE Extraction

Blank (B1G2701-BLK1)

Prepared & Analyzed: 07/27/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.11			mg/kg wet	6.67		61.6	53-107			
Surrogate: 2-Fluorobiphenyl	3.60			mg/kg wet	6.67		54.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.37			mg/kg wet	6.67		50.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.63			mg/kg wet	6.67		54.4	48.9-100			
Surrogate: Phenol-d6	3.94			mg/kg wet	6.67		59.0	50.4-99.6			
Surrogate: Terphenyl-d14	3.93			mg/kg wet	6.67		59.0	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103281
 Date Reported: 07/29/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2701 - EPA 3545 ASE Extraction

LCS (B1G2701-BS1)

Prepared & Analyzed: 07/27/11

1,2,4-Trichlorobenzene	4.55	0.33	0.031	mg/kg wet	6.67		68.2	59.1-87.7		20	
1,4-Dichlorobenzene	3.82	0.33	0.029	mg/kg wet	6.67		57.3	50.3-72.9		20	
2,4-Dinitrotoluene	4.61	0.33	0.035	mg/kg wet	6.67		69.2	59.8-82.2		20	
2-Chlorophenol	4.34	0.67	0.060	mg/kg wet	6.67		65.2	59.7-77.3		20	
4-Chloro-3-methylphenol	4.47	0.67	0.066	mg/kg wet	6.67		67.0	63.6-80.4		20	
4-Nitrophenol	4.75	0.67	0.093	mg/kg wet	6.67		71.3	57.3-84.9		20	
Anthracene	5.22	0.33	0.036	mg/kg wet	6.67		78.2	67.3-88		20	
Benzo(a)anthracene	5.40	0.33	0.041	mg/kg wet	6.67		81.0	66.5-90.5		20	
Benzo(a)pyrene	5.40	0.33	0.042	mg/kg wet	6.67		80.9	66.1-89.7		20	
Chrysene	5.70	0.33	0.044	mg/kg wet	6.67		85.6	65.5-90.5		20	
Fluoranthene	4.99	0.33	0.039	mg/kg wet	6.67		74.9	66.7-89.9		20	
Fluorene	4.79	0.33	0.035	mg/kg wet	6.67		71.9	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.54	0.33	0.033	mg/kg wet	6.67		68.1	59.4-78		20	
Pentachlorophenol	4.42	0.67	0.078	mg/kg wet	6.67		66.3	46.7-83.2		20	
Phenanthrene	5.29	0.33	0.036	mg/kg wet	6.67		79.3	67.5-87.9		20	
Phenol	4.09	0.67	0.069	mg/kg wet	6.67		61.4	59.5-76.6		20	
Surrogate: 2,4,6-Tribromophenol	5.21			mg/kg wet	6.67		78.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.90			mg/kg wet	6.67		73.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.14			mg/kg wet	6.67		62.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.94			mg/kg wet	6.67		74.1	48.9-100			
Surrogate: Phenol-d6	4.89			mg/kg wet	6.67		73.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.41			mg/kg wet	6.67		81.1	51-99.6			

Matrix Spike (B1G2701-MS1)

Source: 1103281-01

Prepared & Analyzed: 07/27/11

1,2,4-Trichlorobenzene	5.09	0.39	0.036	mg/kg dry	7.85	<0.39	64.8	44.8-97.9		19.6	
1,4-Dichlorobenzene	4.54	0.39	0.034	mg/kg dry	7.85	<0.39	57.9	42.3-77.9		22.4	
2,4-Dinitrotoluene	5.07	0.39	0.041	mg/kg dry	7.85	<0.39	64.5	57.3-86.6		19.5	
2-Chlorophenol	4.80	0.79	0.071	mg/kg dry	7.85	<0.79	61.1	43.3-93.2		23.7	
4-Chloro-3-methylphenol	5.12	0.79	0.078	mg/kg dry	7.85	<0.79	65.3	47.1-97.6		18.3	
4-Nitrophenol	5.52	0.79	0.11	mg/kg dry	7.85	<0.79	70.4	49.3-96.2		20.4	
Anthracene	5.82	0.39	0.042	mg/kg dry	7.85	<0.39	74.2	67.5-93.1		19.9	
Benzo(a)anthracene	5.93	0.39	0.048	mg/kg dry	7.85	<0.39	75.6	59.8-95.7		23.4	
Benzo(a)pyrene	5.84	0.39	0.049	mg/kg dry	7.85	<0.39	74.3	59.8-92.7		21.1	
Chrysene	6.24	0.39	0.052	mg/kg dry	7.85	<0.39	79.6	62.5-94.6		24.8	
Fluoranthene	5.48	0.39	0.046	mg/kg dry	7.85	<0.39	69.8	61.3-92.8		21.8	
Fluorene	5.46	0.39	0.041	mg/kg dry	7.85	<0.39	69.5	62.8-92.6		17.6	
N-Nitrosodi-n-propylamine	4.87	0.39	0.039	mg/kg dry	7.85	<0.39	62.0	46.9-89.9		18.9	
Pentachlorophenol	5.35	0.79	0.092	mg/kg dry	7.85	<0.79	68.2	40.1-95.1		19.7	
Phenanthrene	5.97	0.39	0.042	mg/kg dry	7.85	<0.39	76.1	65.2-92.2		20.5	
Phenol	4.52	0.79	0.081	mg/kg dry	7.85	<0.79	57.5	44.7-91		17.9	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103281 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2701 - EPA 3545 ASE Extraction

Matrix Spike (B1G2701-MS1)

Source: 1103281-01

Prepared & Analyzed: 07/27/11

Surrogate: 2,4,6-Tribromophenol	5.96			mg/kg dry	7.85		75.9	53-107			
Surrogate: 2-Fluorobiphenyl	5.01			mg/kg dry	7.85		63.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.68			mg/kg dry	7.85		59.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.18			mg/kg dry	7.85		66.0	48.9-100			
Surrogate: Phenol-d6	5.33			mg/kg dry	7.85		67.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.63			mg/kg dry	7.85		71.8	51-99.6			

Matrix Spike Dup (B1G2701-MSD1)

Source: 1103281-01

Prepared & Analyzed: 07/27/11

1,2,4-Trichlorobenzene	5.31	0.39	0.036	mg/kg dry	7.86	<0.39	67.5	44.8-97.9	4.22	19.6	
1,4-Dichlorobenzene	4.71	0.39	0.034	mg/kg dry	7.86	<0.39	59.8	42.3-77.9	3.57	22.4	
2,4-Dinitrotoluene	4.97	0.39	0.041	mg/kg dry	7.86	<0.39	63.3	57.3-86.6	1.83	19.5	
2-Chlorophenol	4.99	0.79	0.071	mg/kg dry	7.86	<0.79	63.4	43.3-93.2	3.88	23.7	
4-Chloro-3-methylphenol	5.11	0.79	0.078	mg/kg dry	7.86	<0.79	65.0	47.1-97.6	0.257	18.3	
4-Nitrophenol	5.46	0.79	0.11	mg/kg dry	7.86	<0.79	69.5	49.3-96.2	1.10	20.4	
Anthracene	5.83	0.39	0.042	mg/kg dry	7.86	<0.39	74.1	67.5-93.1	0.0609	19.9	
Benzo(a)anthracene	5.79	0.39	0.048	mg/kg dry	7.86	<0.39	73.6	59.8-95.7	2.49	23.4	
Benzo(a)pyrene	5.76	0.39	0.049	mg/kg dry	7.86	<0.39	73.2	59.8-92.7	1.33	21.1	
Chrysene	6.14	0.39	0.052	mg/kg dry	7.86	<0.39	78.1	62.5-94.6	1.70	24.8	
Fluoranthene	5.42	0.39	0.046	mg/kg dry	7.86	<0.39	68.9	61.3-92.8	1.12	21.8	
Fluorene	5.41	0.39	0.041	mg/kg dry	7.86	<0.39	68.8	62.8-92.6	0.913	17.6	
N-Nitrosodi-n-propylamine	5.05	0.39	0.039	mg/kg dry	7.86	<0.39	64.2	46.9-89.9	3.77	18.9	
Pentachlorophenol	5.39	0.79	0.092	mg/kg dry	7.86	<0.79	68.5	40.1-95.1	0.721	19.7	
Phenanthrene	5.90	0.39	0.042	mg/kg dry	7.86	<0.39	75.0	65.2-92.2	1.16	20.5	
Phenol	4.68	0.79	0.081	mg/kg dry	7.86	<0.79	59.5	44.7-91	3.52	17.9	
Surrogate: 2,4,6-Tribromophenol	5.84			mg/kg dry	7.86		74.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.07			mg/kg dry	7.86		64.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.73			mg/kg dry	7.86		60.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.32			mg/kg dry	7.86		67.6	48.9-100			
Surrogate: Phenol-d6	5.47			mg/kg dry	7.86		69.5	50.4-99.6			
Surrogate: Terphenyl-d14	5.44			mg/kg dry	7.86		69.2	51-99.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103281
Date Reported: 07/29/11

Notes and Definitions

M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

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St Paul, MN 55103
Tel: 651-642-1150
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Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 1103281

Project Number: ~~684~~ 2319-1072.00 4821 810
Project Name: ~~WMarz East - Low West~~
Sample Origination State: MN (use two letter postal state abbreviation)
COC Number: NO 36487

COC 1 of 1
Project Manager: JME
Project OC Contact: AAN
Sampled by: KCB/AON
Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type			VOCs (HCl) #1	SVOCs (unpreserved) #2	Disolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	Number of Containers/Preservative						Total Number Of Containers		
						Water	Soil	GC								Grab	Com	Soil	VOCs (Iared MeOH) #1	GR0, BTEX (Iared MeOH) #1	DR0 (Iared unpreserved)		Metals (unpreserved)	SVOCs (unpreserved) #2
1. B3-551	0.5	0.5	ft	07/20/11	0830	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3	Analyse SVOCs, PCBs, Metals	
2.																								
3.																								
4.																								
5.																								
6.																								
7.																								
8.																								
9.																								
10.																								

Requested By: Scott Samples
Retinquished By:
Received By: F3
Date: 7/20/11 1445
Date: 9/20/11 16:58

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GR0 TPH, E260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, B270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TEK

Samples Shipped VIA: Air Freight Federal Express Sampler Other:
Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator
CMB, dcy 601/7 Tmp 212 R. hho 1.9*



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
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July 29, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103282
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 07/20/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of the original report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in cursive script that reads "Terri A. Olson".

Terri Olson
Client Manager II
tolson@legend-group.com

A handwritten signature in cursive script that reads "William Dahl".

William Dahl
QA/QC Coordinator
wdahl@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
U-SANC7-1	1103282-01	Soil	07/20/11 10:00	07/20/11 16:55
FB-USanC7	1103282-02	Water	07/20/11 10:15	07/20/11 16:55

Shipping Container Information

Default Cooler Temperature (°C): 1.9

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): Yes
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: dichlorofluoromethane, tetrahydrofuran, and 1,1,2-trichlorotrifluoroethane in the 8260B analysis and carbazole in the 8270C analysis.

MPCA does not require certification for flashpoint analysis.

Recoveries for b-BHC, d-BHC, 4,4'-DDE and 4,4'-DDD were above the method acceptance limits and recoveries for 4,4'-DDT, and methoxychlor were below the method acceptance limits in the ending 8081A continuing calibration verification standard (CCVS). However, following calibration evaluation procedures per EPA 8000B, the average % difference for all analytes was within the method limit, verifying the calibration. The specific analytes are flagged as required.

Recovery for 4,4'-DDT was above laboratory acceptance limits in the 8081A batch B1G2201 MSD but within limits in the LCS and MS. The source sample was not associated with this work order.

Methylene chloride and acetone were detected in the method blank between the MDL and RL for 8260 batch B1G2613. Samples with methylene chloride and acetone detections less than or equal to 10 times the blank contamination are qualified.

An LCS/LCSD were prepared and analyzed for 8082 water batch B1G2703 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

Recovery for mercury in the MS/MSD samples for batch B1G2605 were below the laboratory control limits. The LCS/LCSD samples and corresponding RPDs were within limits. The MS/MSD source sample was not associated with this work order.

This report was revised on July 29, 2011 to include the RCRA ICP metal results.

Recovery for barium in the MS sample for batch B1G29025 was above the laboratory control limit. The LCS/LCSD/MSD samples and corresponding RPDs were within limits. The MS/MSD source sample was not associated with this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SANC7-1 (1103282-01) Soil Sampled: 07/20/11 10:00 Received: 07/20/11 16:55										
Arsenic	8.1	0.64	0.071	mg/kg dry	1	B1G2902	07/26/11	07/29/11	EPA 6010B	
Barium	70	1.3	0.077	mg/kg dry	1	"	"	"	"	
Cadmium	0.33	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	15	0.64	0.015	mg/kg dry	1	"	"	"	"	
Lead	20	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	1.8	0.26	0.049	mg/kg dry	2	B1G2605	07/26/11	07/28/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1G2902	07/26/11	07/29/11	EPA 6010B	
Silver	0.52	0.32	0.021	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SANC7-1 (1103282-01) Soil Sampled: 07/20/11 10:00 Received: 07/20/11 16:55										
Aroclor 1016	<0.26	0.26	0.010	mg/kg dry	1	B1G2202	07/22/11	07/23/11	EPA 8082	
Aroclor 1221	<0.26	0.26	0.026	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.26	0.26	0.029	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.26	0.26	0.013	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.26	0.26	0.051	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.26	0.26	0.051	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.26	0.26	0.0076	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	98.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	95.0			60.9-138 %		"	"	"	"	
FB-USanC7 (1103282-02) Water Sampled: 07/20/11 10:15 Received: 07/20/11 16:55										
Aroclor 1016	<1.9	1.9	0.25	ug/L	1	B1G2703	07/27/11	07/27/11	EPA 8082	
Aroclor 1221	<1.9	1.9	0.48	ug/L	1	"	"	"	"	
Aroclor 1232	<1.9	1.9	0.21	ug/L	1	"	"	"	"	
Aroclor 1242	<1.9	1.9	0.18	ug/L	1	"	"	"	"	
Aroclor 1248	<1.9	1.9	0.26	ug/L	1	"	"	"	"	
Aroclor 1254	<1.9	1.9	0.40	ug/L	1	"	"	"	"	
Aroclor 1260	<1.9	1.9	0.16	ug/L	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	84.5			65.6-114 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	84.0			58.9-107 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SANC7-1 (1103282-01) Soil Sampled: 07/20/11 10:00 Received: 07/20/11 16:55										
% Solids	78			%	1	B1G2519	07/25/11	07/25/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SANC7-1 (1103282-01) Soil Sampled: 07/20/11 10:00 Received: 07/20/11 16:55										
4,4'-DDD	<0.051	0.051	0.0026	mg/kg dry	1	B1G2201	07/22/11	07/23/11	EPA 8081A	V7
4,4'-DDE	<0.051	0.051	0.0026	mg/kg dry	1	"	"	"	"	V7
4,4'-DDT	<0.051	0.051	0.0026	mg/kg dry	1	"	"	"	"	V8
Aldrin	<0.051	0.051	0.0027	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.051	0.051	0.0026	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.051	0.051	0.0026	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.051	0.051	0.0028	mg/kg dry	1	"	"	"	"	V7
delta-BHC	<0.051	0.051	0.0026	mg/kg dry	1	"	"	"	"	V7
Dieldrin	<0.051	0.051	0.0026	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.051	0.051	0.0028	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.051	0.051	0.0027	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.051	0.051	0.0027	mg/kg dry	1	"	"	"	"	
Endrin	<0.051	0.051	0.0026	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.051	0.051	0.0018	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.051	0.051	0.0027	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.051	0.051	0.0027	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.051	0.051	0.0027	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.051	0.051	0.0027	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.051	0.051	0.0026	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.051	0.051	0.0027	mg/kg dry	1	"	"	"	"	V8
Toxaphene	<0.10	0.10	0.021	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	100			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	102			65.2-135 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SANC7-1 (1103282-01) Soil Sampled: 07/20/11 10:00 Received: 07/20/11 16:55										
1,2,4-Trichlorobenzene	<0.040	0.42	0.040	mg/kg dry	1	B1G2701	07/27/11	07/27/11	EPA 8270C	
1,2-Dichlorobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.040	0.42	0.040	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.037	0.42	0.037	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.10	0.86	0.10	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.047	0.86	0.047	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.86	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.096	0.86	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.86	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.041	0.86	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	2.2	0.42	0.045	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.088	0.86	0.088	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.050	0.42	0.050	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.077	0.86	0.077	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.17	0.42	0.046	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.044	0.86	0.044	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.049	0.42	0.049	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.86	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	0.097	0.86	0.041	mg/kg dry	1	"	"	"	"	J
3,3'-Dichlorobenzidine	<0.19	2.1	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.035	0.42	0.035	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.044	0.86	0.044	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.085	0.86	0.085	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.035	0.86	0.035	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.86	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.34	0.42	0.049	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	0.33	0.42	0.053	mg/kg dry	1	"	"	"	"	J
Aniline	<0.040	0.86	0.040	mg/kg dry	1	"	"	"	"	
Anthracene	1.3	0.42	0.046	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.2	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	3.0	0.42	0.053	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	2.9	0.42	0.054	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	4.3	0.42	0.055	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	1.4	0.42	0.055	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SANC7-1 (1103282-01) Soil Sampled: 07/20/11 10:00 Received: 07/20/11 16:55										
Benzo(k)fluoranthene	1.6	0.42	0.062	mg/kg dry	1	B1G2701	07/27/11	07/27/11	EPA 8270C	
Benzoic acid	0.14	0.42	0.031	mg/kg dry	1	"	"	"	"	J
Benzyl alcohol	<0.12	0.86	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.045	0.42	0.045	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.044	0.42	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.062	0.42	0.062	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.054	0.42	0.054	mg/kg dry	1	"	"	"	"	
Carbazole	0.40	0.42	0.045	mg/kg dry	1	"	"	"	"	J
Chrysene	3.7	0.42	0.056	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.51	0.42	0.055	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.25	0.42	0.042	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.040	0.42	0.040	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	2.5	0.42	0.056	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.062	0.42	0.062	mg/kg dry	1	"	"	"	"	
Fluoranthene	5.5	0.42	0.050	mg/kg dry	1	"	"	"	"	
Fluorene	0.40	0.42	0.045	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.046	0.42	0.046	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.031	0.42	0.031	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.42	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	1.8	0.42	0.051	mg/kg dry	1	"	"	"	"	
Isophorone	<0.040	0.42	0.040	mg/kg dry	1	"	"	"	"	
Naphthalene	0.53	0.42	0.042	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.42	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.042	0.42	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	0.17	0.42	0.033	mg/kg dry	1	"	"	"	"	J
Pentachlorophenol	<0.10	0.86	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	3.5	0.42	0.046	mg/kg dry	1	"	"	"	"	
Phenol	<0.088	0.86	0.088	mg/kg dry	1	"	"	"	"	
Pyrene	5.8	0.42	0.053	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	95.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	83.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	92.2			51-99.6 %		"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SANC7-1 (1103282-01) Soil Sampled: 07/20/11 10:00 Received: 07/20/11 16:55										
1,1,1,2-Tetrachloroethane	<0.091	0.38	0.091	mg/kg dry	1	B1G2613	07/26/11	07/26/11	EPA 8260B	
1,1,1-Trichloroethane	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.052	0.38	0.052	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.10	0.38	0.10	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.032	0.38	0.032	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.094	0.77	0.094	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.037	0.38	0.037	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.042	0.77	0.042	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.14	3.1	0.14	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.022	0.38	0.022	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.032	0.38	0.032	mg/kg dry	1	"	"	"	"	
Acetone	1.1	3.1	0.29	mg/kg dry	1	"	"	"	"	J, B-01
Allyl chloride	<0.089	0.77	0.089	mg/kg dry	1	"	"	"	"	
Benzene	<0.023	0.38	0.023	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.057	0.38	0.057	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Bromoform	<0.042	0.77	0.042	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.17	0.77	0.17	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.052	0.38	0.052	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.029	0.38	0.029	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.057	0.38	0.057	mg/kg dry	1	"	"	"	"	
Chloroform	<0.032	0.38	0.032	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.094	0.38	0.094	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SANC7-1 (1103282-01) Soil Sampled: 07/20/11 10:00 Received: 07/20/11 16:55										
cis-1,3-Dichloropropene	<0.034	0.38	0.034	mg/kg dry	1	B1G2613	07/26/11	07/26/11	EPA 8260B	
Dibromochloromethane	<0.052	0.38	0.052	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.15	0.77	0.15	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.058	0.38	0.058	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.058	0.77	0.058	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.017	0.38	0.017	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.11	1.5	0.11	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.029	0.38	0.029	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.072	0.77	0.072	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.13	0.77	0.13	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.23	1.5	0.089	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	0.12	0.77	0.085	mg/kg dry	1	"	"	"	"	J
n-Butylbenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.032	0.38	0.032	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.022	0.38	0.022	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
Styrene	0.076	0.38	0.031	mg/kg dry	1	"	"	"	"	J
tert-Butylbenzene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.18	3.1	0.18	mg/kg dry	1	"	"	"	"	
Toluene	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.046	0.38	0.046	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.063	0.38	0.063	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.054	0.38	0.054	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.10	0.38	0.10	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	97.1			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	95.5			78.1-125 %		"	"	"	"	

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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SANC7-1 (1103282-01) Soil Sampled: 07/20/11 10:00 Received: 07/20/11 16:55										
Flashpoint	>140			°F	1	B1G2811	07/28/11	07/28/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2605 - EPA 7471A											
Blank (B1G2605-BLK1)						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G2605-BS1)						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.206	0.10	0.019	mg/kg wet	0.200		103	80-120			
LCS Dup (B1G2605-BSD1)						Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.215	0.10	0.019	mg/kg wet	0.200		108	80-120	4.28	20	
Matrix Spike (B1G2605-MS1)						Source: 1103147-03 Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.221	0.092	0.017	mg/kg dry	0.184	0.117	56.2	75-125			M2
Matrix Spike Dup (B1G2605-MSD1)						Source: 1103147-03 Prepared: 07/26/11 Analyzed: 07/27/11					
Mercury	0.224	0.093	0.018	mg/kg dry	0.185	0.117	57.2	75-125	1.22	20	M2
Batch B1G2902 - EPA 3050B											
Blank (B1G2902-BLK1)						Prepared & Analyzed: 07/29/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G2902-BS1)						Prepared & Analyzed: 07/29/11					
Arsenic	41.2	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	42.1	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.9	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	41.6	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	40.8	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			
LCS Dup (B1G2902-BSD1)						Prepared & Analyzed: 07/29/11					
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120	0.459	20	
Barium	42.3	1.0	0.060	mg/kg wet	39.9		106	80-120	0.350	20	
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120	0.450	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120	0.506	20	
Lead	41.4	1.0	0.14	mg/kg wet	39.9		104	80-120	0.560	20	
Selenium	40.7	1.0	0.095	mg/kg wet	39.9		102	80-120	0.242	20	
Silver	4.18	0.25	0.016	mg/kg wet	3.99		105	80-120	0.643	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2902 - EPA 3050B											
Matrix Spike (B1G2902-MS1)		Source: 1103281-01				Prepared & Analyzed: 07/29/11					
Arsenic	47.6	0.56	0.061	mg/kg dry	44.5	3.60	98.9	75-125			
Barium	120	1.1	0.067	mg/kg dry	44.5	60.0	136	75-125			M1
Cadmium	44.2	0.28	0.037	mg/kg dry	44.5	<0.28	98.9	75-125			
Chromium	57.9	0.56	0.013	mg/kg dry	44.5	13.0	101	75-125			
Lead	52.0	1.1	0.16	mg/kg dry	44.5	9.17	96.4	75-125			
Selenium	42.5	1.1	0.11	mg/kg dry	44.5	<1.1	95.5	75-125			
Silver	4.38	0.28	0.018	mg/kg dry	4.45	<0.28	98.4	75-125			
Matrix Spike Dup (B1G2902-MSD1)											
Matrix Spike Dup (B1G2902-MSD1)		Source: 1103281-01				Prepared & Analyzed: 07/29/11					
Arsenic	47.8	0.59	0.065	mg/kg dry	45.6	3.60	96.9	75-125	0.496	20	
Barium	115	1.2	0.071	mg/kg dry	45.6	60.0	121	75-125	4.47	20	
Cadmium	44.5	0.29	0.039	mg/kg dry	45.6	<0.29	97.2	75-125	0.811	20	
Chromium	56.5	0.59	0.014	mg/kg dry	45.6	13.0	95.6	75-125	2.44	20	
Lead	52.5	1.2	0.16	mg/kg dry	45.6	9.17	95.0	75-125	0.880	20	
Selenium	43.7	1.2	0.11	mg/kg dry	45.6	<1.2	95.9	75-125	2.87	20	
Silver	4.46	0.29	0.019	mg/kg dry	4.56	<0.29	97.7	75-125	1.80	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2202 - EPA 3545 ASE Extraction

Blank (B1G2202-BLK1)

Prepared: 07/22/11 Analyzed: 07/23/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0663			mg/kg wet	0.0667		99.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0593			mg/kg wet	0.0667		89.0	60.9-138			

LCS (B1G2202-BS1)

Prepared: 07/22/11 Analyzed: 07/23/11

Aroclor 1260	0.301	0.20	0.0059	mg/kg wet	0.333		90.2	70-130			
Surrogate: Decachlorobiphenyl	0.0663			mg/kg wet	0.0667		99.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0610			mg/kg wet	0.0667		91.5	60.9-138			

Matrix Spike (B1G2202-MS1)

Source: 1103159-01

Prepared: 07/22/11 Analyzed: 07/23/11

Aroclor 1260	0.368	0.24	0.0069	mg/kg dry	0.396	<0.24	92.9	70-130			
Surrogate: Decachlorobiphenyl	0.0713			mg/kg dry	0.0792		90.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0716			mg/kg dry	0.0792		90.5	60.9-138			

Matrix Spike Dup (B1G2202-MSD1)

Source: 1103159-01

Prepared: 07/22/11 Analyzed: 07/23/11

Aroclor 1260	0.356	0.24	0.0069	mg/kg dry	0.393	<0.24	90.6	70-130	3.31	17.2	
Surrogate: Decachlorobiphenyl	0.0652			mg/kg dry	0.0785		83.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0691			mg/kg dry	0.0785		88.0	60.9-138			

Batch B1G2703 - EPA 3510C (Sep Funnel)

Blank (B1G2703-BLK1)

Prepared & Analyzed: 07/27/11

Aroclor 1016	< 2.0	2.0	0.27	ug/L							
Aroclor 1221	< 2.0	2.0	0.51	ug/L							
Aroclor 1232	< 2.0	2.0	0.23	ug/L							
Aroclor 1242	< 2.0	2.0	0.19	ug/L							
Aroclor 1248	< 2.0	2.0	0.28	ug/L							
Aroclor 1254	< 2.0	2.0	0.43	ug/L							
Aroclor 1260	< 2.0	2.0	0.17	ug/L							
Surrogate: Decachlorobiphenyl	0.875			ug/L	1.00		87.5	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.780			ug/L	1.00		78.0	58.9-107			

LCS (B1G2703-BS1)

Prepared & Analyzed: 07/27/11

Aroclor 1260	4.60	2.0	0.17	ug/L	5.00		92.0	70-130			
Surrogate: Decachlorobiphenyl	0.885			ug/L	1.00		88.5	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.860			ug/L	1.00		86.0	58.9-107			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2703 - EPA 3510C (Sep Funnel)											
LCS Dup (B1G2703-BSD1)											
						Prepared & Analyzed: 07/27/11				Q9, QM-10	
Aroclor 1260	4.56	2.0	0.17	ug/L	5.00		91.3	70-130	0.764	20	
Surrogate: Decachlorobiphenyl	0.880			ug/L	1.00		88.0	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.785			ug/L	1.00		78.5	58.9-107			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1G2519 - General Preparation												
Duplicate (B1G2519-DUP1)							Source: 1103299-04					Prepared & Analyzed: 07/25/11
% Solids	92.0			%		93.0			1.08	20		
Duplicate (B1G2519-DUP2)							Source: 1103317-05					Prepared & Analyzed: 07/25/11
% Solids	88.0			%		90.0			2.25	20		
Duplicate (B1G2519-DUP3)							Source: 1103334-05					Prepared & Analyzed: 07/25/11
% Solids	74.0			%		73.0			1.36	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2201 - EPA 3545 ASE Extraction

Blank (B1G2201-BLK1)

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDE	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDT	< 0.040	0.040	0.0020	mg/kg wet							
Aldrin	< 0.040	0.040	0.0021	mg/kg wet							
alpha-BHC	< 0.040	0.040	0.0020	mg/kg wet							
alpha-Chlordane	< 0.040	0.040	0.0020	mg/kg wet							
beta-BHC	< 0.040	0.040	0.0022	mg/kg wet							
delta-BHC	< 0.040	0.040	0.0020	mg/kg wet							
Dieldrin	< 0.040	0.040	0.0020	mg/kg wet							
Endosulfan I	< 0.040	0.040	0.0022	mg/kg wet							
Endosulfan II	< 0.040	0.040	0.0021	mg/kg wet							
Endosulfan sulfate	< 0.040	0.040	0.0021	mg/kg wet							
Endrin	< 0.040	0.040	0.0020	mg/kg wet							
Endrin aldehyde	< 0.040	0.040	0.0014	mg/kg wet							
Endrin ketone	< 0.040	0.040	0.0021	mg/kg wet							
gamma-BHC (Lindane)	< 0.040	0.040	0.0021	mg/kg wet							
gamma-Chlordane	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor epoxide	< 0.040	0.040	0.0020	mg/kg wet							
Methoxychlor	< 0.040	0.040	0.0021	mg/kg wet							
Toxaphene	< 0.080	0.080	0.016	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0703			mg/kg wet	0.0667		106	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0633			mg/kg wet	0.0667		95.0	65.2-135			

LCS (B1G2201-BS1)

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	0.0833	0.040	0.0020	mg/kg wet	0.0833		100	70-130			
4,4'-DDE	0.0847	0.040	0.0020	mg/kg wet	0.0833		102	70-130			
4,4'-DDT	0.0957	0.040	0.0020	mg/kg wet	0.0833		115	70-130			
Aldrin	0.0790	0.040	0.0021	mg/kg wet	0.0833		94.8	70-130			
alpha-BHC	0.0793	0.040	0.0020	mg/kg wet	0.0833		95.2	70-130			
alpha-Chlordane	0.0820	0.040	0.0020	mg/kg wet	0.0833		98.4	70-130			
beta-BHC	0.0810	0.040	0.0022	mg/kg wet	0.0833		97.2	70-130			
delta-BHC	0.0827	0.040	0.0020	mg/kg wet	0.0833		99.2	70-130			
Dieldrin	0.0830	0.040	0.0020	mg/kg wet	0.0833		99.6	70-130			
Endosulfan I	0.0810	0.040	0.0022	mg/kg wet	0.0833		97.2	70-130			
Endosulfan II	0.0827	0.040	0.0021	mg/kg wet	0.0833		99.2	70-130			
Endosulfan sulfate	0.0847	0.040	0.0021	mg/kg wet	0.0833		102	70-130			
Endrin	0.0853	0.040	0.0020	mg/kg wet	0.0833		102	70-130			
Endrin aldehyde	0.0717	0.040	0.0014	mg/kg wet	0.0833		86.0	70-130			
Endrin ketone	0.0867	0.040	0.0021	mg/kg wet	0.0833		104	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2201 - EPA 3545 ASE Extraction

LCS (B1G2201-BS1)

Prepared: 07/22/11 Analyzed: 07/23/11

gamma-BHC (Lindane)	0.0807	0.040	0.0021	mg/kg wet	0.0833		96.8	70-130			
gamma-Chlordane	0.0827	0.040	0.0021	mg/kg wet	0.0833		99.2	70-130			
Heptachlor	0.0813	0.040	0.0021	mg/kg wet	0.0833		97.6	70-130			
Heptachlor epoxide	0.0817	0.040	0.0020	mg/kg wet	0.0833		98.0	70-130			
Methoxychlor	0.0907	0.040	0.0021	mg/kg wet	0.0833		109	70-130			
Surrogate: Decachlorobiphenyl	0.0753			mg/kg wet	0.0667		113	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0677			mg/kg wet	0.0667		102	65.2-135			

Matrix Spike (B1G2201-MS1)

Source: 1103192-03

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	0.0953	0.043	0.0021	mg/kg dry	0.0899	<0.043	106	70-130			V7
4,4'-DDE	0.0971	0.043	0.0021	mg/kg dry	0.0899	<0.043	108	70-130			V7
4,4'-DDT	0.110	0.043	0.0021	mg/kg dry	0.0899	<0.043	122	70-130			V8
Aldrin	0.0903	0.043	0.0022	mg/kg dry	0.0899	<0.043	100	70-130			
alpha-BHC	0.0928	0.043	0.0021	mg/kg dry	0.0899	<0.043	103	70-130			
alpha-Chlordane	0.0913	0.043	0.0021	mg/kg dry	0.0899	<0.043	102	70-130			
beta-BHC	0.0928	0.043	0.0023	mg/kg dry	0.0899	<0.043	103	70-130			V7
delta-BHC	0.100	0.043	0.0021	mg/kg dry	0.0899	<0.043	112	70-130			V7
Dieldrin	0.0935	0.043	0.0021	mg/kg dry	0.0899	<0.043	104	70-130			
Endosulfan I	0.0885	0.043	0.0023	mg/kg dry	0.0899	<0.043	98.4	70-130			
Endosulfan II	0.0931	0.043	0.0022	mg/kg dry	0.0899	<0.043	104	70-130			
Endosulfan sulfate	0.0921	0.043	0.0022	mg/kg dry	0.0899	<0.043	102	70-130			
Endrin	0.101	0.043	0.0021	mg/kg dry	0.0899	<0.043	112	70-130			
Endrin aldehyde	0.0773	0.043	0.0015	mg/kg dry	0.0899	<0.043	86.0	70-130			
Endrin ketone	0.0942	0.043	0.0022	mg/kg dry	0.0899	<0.043	105	70-130			
gamma-BHC (Lindane)	0.0939	0.043	0.0022	mg/kg dry	0.0899	<0.043	104	70-130			
gamma-Chlordane	0.0928	0.043	0.0022	mg/kg dry	0.0899	<0.043	103	70-130			
Heptachlor	0.0939	0.043	0.0022	mg/kg dry	0.0899	<0.043	104	70-130			
Heptachlor epoxide	0.0917	0.043	0.0021	mg/kg dry	0.0899	<0.043	102	70-130			
Methoxychlor	0.107	0.043	0.0022	mg/kg dry	0.0899	<0.043	119	70-130			V8
Surrogate: Decachlorobiphenyl	0.0806			mg/kg dry	0.0719		112	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0791			mg/kg dry	0.0719		110	65.2-135			

Matrix Spike Dup (B1G2201-MSD1)

Source: 1103192-03

Prepared: 07/22/11 Analyzed: 07/23/11

4,4'-DDD	0.104	0.043	0.0021	mg/kg dry	0.0895	<0.043	116	70-130	8.26	17.3	V7
4,4'-DDE	0.104	0.043	0.0021	mg/kg dry	0.0895	<0.043	116	70-130	7.08	18.9	V7
4,4'-DDT	0.119	0.043	0.0021	mg/kg dry	0.0895	<0.043	132	70-130	7.44	37.6	M1, V8
Aldrin	0.0942	0.043	0.0022	mg/kg dry	0.0895	<0.043	105	70-130	4.26	26.6	
alpha-BHC	0.0978	0.043	0.0021	mg/kg dry	0.0895	<0.043	109	70-130	5.25	27.3	
alpha-Chlordane	0.0978	0.043	0.0021	mg/kg dry	0.0895	<0.043	109	70-130	6.81	17.2	
beta-BHC	0.0992	0.043	0.0023	mg/kg dry	0.0895	<0.043	111	70-130	6.70	24.7	V7

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2201 - EPA 3545 ASE Extraction											
Matrix Spike Dup (B1G2201-MSD1)			Source: 1103192-03			Prepared: 07/22/11		Analyzed: 07/23/11			
delta-BHC	0.107	0.043	0.0021	mg/kg dry	0.0895	<0.043	119	70-130	6.18	25.9	V7
Dieldrin	0.0996	0.043	0.0021	mg/kg dry	0.0895	<0.043	111	70-130	6.29	24.6	
Endosulfan I	0.0942	0.043	0.0023	mg/kg dry	0.0895	<0.043	105	70-130	6.28	18.2	
Endosulfan II	0.0989	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	5.95	16.6	
Endosulfan sulfate	0.0981	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	6.39	16.5	
Endrin	0.108	0.043	0.0021	mg/kg dry	0.0895	<0.043	120	70-130	6.82	18.9	
Endrin aldehyde	0.0810	0.043	0.0015	mg/kg dry	0.0895	<0.043	90.4	70-130	4.58	17.9	
Endrin ketone	0.0999	0.043	0.0022	mg/kg dry	0.0895	<0.043	112	70-130	5.88	15.7	
gamma-BHC (Lindane)	0.0989	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	5.18	27	
gamma-Chlordane	0.0992	0.043	0.0022	mg/kg dry	0.0895	<0.043	111	70-130	6.70	20	
Heptachlor	0.0981	0.043	0.0022	mg/kg dry	0.0895	<0.043	110	70-130	4.46	20.3	
Heptachlor epoxide	0.0974	0.043	0.0021	mg/kg dry	0.0895	<0.043	109	70-130	6.05	26.2	
Methoxychlor	0.113	0.043	0.0022	mg/kg dry	0.0895	<0.043	126	70-130	5.79	20.2	V8
Surrogate: Decachlorobiphenyl	0.0806			mg/kg dry	0.0716		112	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0817			mg/kg dry	0.0716		114	65.2-135			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2701 - EPA 3545 ASE Extraction

Blank (B1G2701-BLK1)

Prepared & Analyzed: 07/27/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2701 - EPA 3545 ASE Extraction

Blank (B1G2701-BLK1)

Prepared & Analyzed: 07/27/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.11			mg/kg wet	6.67		61.6	53-107			
Surrogate: 2-Fluorobiphenyl	3.60			mg/kg wet	6.67		54.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.37			mg/kg wet	6.67		50.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.63			mg/kg wet	6.67		54.4	48.9-100			
Surrogate: Phenol-d6	3.94			mg/kg wet	6.67		59.0	50.4-99.6			
Surrogate: Terphenyl-d14	3.93			mg/kg wet	6.67		59.0	51-99.6			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092.00 48RI 810
 Project Manager: Ms. Andrea Nord

Work Order #: 1103282
 Date Reported: 07/29/11

SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2701 - EPA 3545 ASE Extraction

LCS (B1G2701-BS1)

Prepared & Analyzed: 07/27/11

1,2,4-Trichlorobenzene	4.55	0.33	0.031	mg/kg wet	6.67		68.2	59.1-87.7		20	
1,4-Dichlorobenzene	3.82	0.33	0.029	mg/kg wet	6.67		57.3	50.3-72.9		20	
2,4-Dinitrotoluene	4.61	0.33	0.035	mg/kg wet	6.67		69.2	59.8-82.2		20	
2-Chlorophenol	4.34	0.67	0.060	mg/kg wet	6.67		65.2	59.7-77.3		20	
4-Chloro-3-methylphenol	4.47	0.67	0.066	mg/kg wet	6.67		67.0	63.6-80.4		20	
4-Nitrophenol	4.75	0.67	0.093	mg/kg wet	6.67		71.3	57.3-84.9		20	
Anthracene	5.22	0.33	0.036	mg/kg wet	6.67		78.2	67.3-88		20	
Benzo(a)anthracene	5.40	0.33	0.041	mg/kg wet	6.67		81.0	66.5-90.5		20	
Benzo(a)pyrene	5.40	0.33	0.042	mg/kg wet	6.67		80.9	66.1-89.7		20	
Chrysene	5.70	0.33	0.044	mg/kg wet	6.67		85.6	65.5-90.5		20	
Fluoranthene	4.99	0.33	0.039	mg/kg wet	6.67		74.9	66.7-89.9		20	
Fluorene	4.79	0.33	0.035	mg/kg wet	6.67		71.9	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.54	0.33	0.033	mg/kg wet	6.67		68.1	59.4-78		20	
Pentachlorophenol	4.42	0.67	0.078	mg/kg wet	6.67		66.3	46.7-83.2		20	
Phenanthrene	5.29	0.33	0.036	mg/kg wet	6.67		79.3	67.5-87.9		20	
Phenol	4.09	0.67	0.069	mg/kg wet	6.67		61.4	59.5-76.6		20	
Surrogate: 2,4,6-Tribromophenol	5.21			mg/kg wet	6.67		78.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.90			mg/kg wet	6.67		73.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.14			mg/kg wet	6.67		62.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.94			mg/kg wet	6.67		74.1	48.9-100			
Surrogate: Phenol-d6	4.89			mg/kg wet	6.67		73.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.41			mg/kg wet	6.67		81.1	51-99.6			

Matrix Spike (B1G2701-MS1)

Source: 1103281-01

Prepared & Analyzed: 07/27/11

1,2,4-Trichlorobenzene	5.09	0.39	0.036	mg/kg dry	7.85	<0.39	64.8	44.8-97.9		19.6	
1,4-Dichlorobenzene	4.54	0.39	0.034	mg/kg dry	7.85	<0.39	57.9	42.3-77.9		22.4	
2,4-Dinitrotoluene	5.07	0.39	0.041	mg/kg dry	7.85	<0.39	64.5	57.3-86.6		19.5	
2-Chlorophenol	4.80	0.79	0.071	mg/kg dry	7.85	<0.79	61.1	43.3-93.2		23.7	
4-Chloro-3-methylphenol	5.12	0.79	0.078	mg/kg dry	7.85	<0.79	65.3	47.1-97.6		18.3	
4-Nitrophenol	5.52	0.79	0.11	mg/kg dry	7.85	<0.79	70.4	49.3-96.2		20.4	
Anthracene	5.82	0.39	0.042	mg/kg dry	7.85	<0.39	74.2	67.5-93.1		19.9	
Benzo(a)anthracene	5.93	0.39	0.048	mg/kg dry	7.85	<0.39	75.6	59.8-95.7		23.4	
Benzo(a)pyrene	5.84	0.39	0.049	mg/kg dry	7.85	<0.39	74.3	59.8-92.7		21.1	
Chrysene	6.24	0.39	0.052	mg/kg dry	7.85	<0.39	79.6	62.5-94.6		24.8	
Fluoranthene	5.48	0.39	0.046	mg/kg dry	7.85	<0.39	69.8	61.3-92.8		21.8	
Fluorene	5.46	0.39	0.041	mg/kg dry	7.85	<0.39	69.5	62.8-92.6		17.6	
N-Nitrosodi-n-propylamine	4.87	0.39	0.039	mg/kg dry	7.85	<0.39	62.0	46.9-89.9		18.9	
Pentachlorophenol	5.35	0.79	0.092	mg/kg dry	7.85	<0.79	68.2	40.1-95.1		19.7	
Phenanthrene	5.97	0.39	0.042	mg/kg dry	7.85	<0.39	76.1	65.2-92.2		20.5	
Phenol	4.52	0.79	0.081	mg/kg dry	7.85	<0.79	57.5	44.7-91		17.9	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2701 - EPA 3545 ASE Extraction

Matrix Spike (B1G2701-MS1)

Source: 1103281-01

Prepared & Analyzed: 07/27/11

Surrogate: 2,4,6-Tribromophenol	5.96			mg/kg dry	7.85		75.9	53-107			
Surrogate: 2-Fluorobiphenyl	5.01			mg/kg dry	7.85		63.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.68			mg/kg dry	7.85		59.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.18			mg/kg dry	7.85		66.0	48.9-100			
Surrogate: Phenol-d6	5.33			mg/kg dry	7.85		67.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.63			mg/kg dry	7.85		71.8	51-99.6			

Matrix Spike Dup (B1G2701-MSD1)

Source: 1103281-01

Prepared & Analyzed: 07/27/11

1,2,4-Trichlorobenzene	5.31	0.39	0.036	mg/kg dry	7.86	<0.39	67.5	44.8-97.9	4.22	19.6	
1,4-Dichlorobenzene	4.71	0.39	0.034	mg/kg dry	7.86	<0.39	59.8	42.3-77.9	3.57	22.4	
2,4-Dinitrotoluene	4.97	0.39	0.041	mg/kg dry	7.86	<0.39	63.3	57.3-86.6	1.83	19.5	
2-Chlorophenol	4.99	0.79	0.071	mg/kg dry	7.86	<0.79	63.4	43.3-93.2	3.88	23.7	
4-Chloro-3-methylphenol	5.11	0.79	0.078	mg/kg dry	7.86	<0.79	65.0	47.1-97.6	0.257	18.3	
4-Nitrophenol	5.46	0.79	0.11	mg/kg dry	7.86	<0.79	69.5	49.3-96.2	1.10	20.4	
Anthracene	5.83	0.39	0.042	mg/kg dry	7.86	<0.39	74.1	67.5-93.1	0.0609	19.9	
Benzo(a)anthracene	5.79	0.39	0.048	mg/kg dry	7.86	<0.39	73.6	59.8-95.7	2.49	23.4	
Benzo(a)pyrene	5.76	0.39	0.049	mg/kg dry	7.86	<0.39	73.2	59.8-92.7	1.33	21.1	
Chrysene	6.14	0.39	0.052	mg/kg dry	7.86	<0.39	78.1	62.5-94.6	1.70	24.8	
Fluoranthene	5.42	0.39	0.046	mg/kg dry	7.86	<0.39	68.9	61.3-92.8	1.12	21.8	
Fluorene	5.41	0.39	0.041	mg/kg dry	7.86	<0.39	68.8	62.8-92.6	0.913	17.6	
N-Nitrosodi-n-propylamine	5.05	0.39	0.039	mg/kg dry	7.86	<0.39	64.2	46.9-89.9	3.77	18.9	
Pentachlorophenol	5.39	0.79	0.092	mg/kg dry	7.86	<0.79	68.5	40.1-95.1	0.721	19.7	
Phenanthrene	5.90	0.39	0.042	mg/kg dry	7.86	<0.39	75.0	65.2-92.2	1.16	20.5	
Phenol	4.68	0.79	0.081	mg/kg dry	7.86	<0.79	59.5	44.7-91	3.52	17.9	
Surrogate: 2,4,6-Tribromophenol	5.84			mg/kg dry	7.86		74.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.07			mg/kg dry	7.86		64.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.73			mg/kg dry	7.86		60.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.32			mg/kg dry	7.86		67.6	48.9-100			
Surrogate: Phenol-d6	5.47			mg/kg dry	7.86		69.5	50.4-99.6			
Surrogate: Terphenyl-d14	5.44			mg/kg dry	7.86		69.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2612 - EPA 5035 Soil (Purge and Trap)

Blank (B1G2612-BLK1)

Prepared & Analyzed: 07/26/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	0.473	2.0	0.19	mg/kg wet							J
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2612 - EPA 5035 Soil (Purge and Trap)

Blank (B1G2612-BLK1)

Prepared & Analyzed: 07/26/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	0.245	1.0	0.058	mg/kg wet							J
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	50.9			ug/L	50.0			102		80-124	
Surrogate: Dibromofluoromethane	49.1			ug/L	50.0			98.3		77.1-123	
Surrogate: Toluene-d8	47.7			ug/L	50.0			95.4		78.1-125	

Matrix Spike (B1G2612-MS1)

Source: 1103282-01

Prepared & Analyzed: 07/26/11

1,1,2,2-Tetrachloroethane	49.2			ug/L	50.0	<	98.4	75-125		20	
1,1-Dichloroethane	49.6			ug/L	50.0	<	99.2	78.7-123		20	
1,1-Dichloroethene	47.8			ug/L	50.0	<	95.6	75.8-121		20	
1,3,5-Trimethylbenzene	49.6			ug/L	50.0	<	99.2	75-120		20	
1,4-Dichlorobenzene	51.1			ug/L	50.0	<	102	75-125		20	
2-Chlorotoluene	49.4			ug/L	50.0	<	98.7	75-120		20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2612 - EPA 5035 Soil (Purge and Trap)

Matrix Spike (B1G2612-MS1)

Source: 1103282-01

Prepared & Analyzed: 07/26/11

Benzene	51.4			ug/L	50.0	<	103	80-120		20	
Bromoform	53.9			ug/L	50.0	<	108	80-120		20	
Chlorobenzene	52.6			ug/L	50.0	<	105	80-120		20	
Chloroform	48.7			ug/L	50.0	<	97.5	80-120		20	
Ethylbenzene	52.4			ug/L	50.0	<	105	80-120		20	
n-Butylbenzene	49.7			ug/L	50.0	<	99.5	73.8-125		20	
n-Propylbenzene	49.8			ug/L	50.0	<	99.6	75-120		20	
Toluene	51.6			ug/L	50.0	<	103	80-120		20	
Trichloroethene	50.8			ug/L	50.0	<	102	80-120		20	
Vinyl chloride	53.2			ug/L	50.0	<	106	74.8-130		20	
Surrogate: 4-Bromofluorobenzene	52.2			ug/L	50.0		104	80-124			
Surrogate: Dibromofluoromethane	48.3			ug/L	50.0		96.7	77.1-123			
Surrogate: Toluene-d8	49.6			ug/L	50.0		99.2	78.1-125			

Batch B1G2613 - EPA 5035 Soil (Purge and Trap)

Blank (B1G2613-BLK1)

Prepared & Analyzed: 07/26/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethane	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2613 - EPA 5035 Soil (Purge and Trap)

Blank (B1G2613-BLK1)

Prepared & Analyzed: 07/26/11

4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	0.278	2.0	0.19	mg/kg wet							B-02, J
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							
cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	0.147	1.0	0.058	mg/kg wet							B-02, J
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2613 - EPA 5035 Soil (Purge and Trap)

Blank (B1G2613-BLK1)

Prepared & Analyzed: 07/26/11

trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	49.9			ug/L	50.0		99.9	80-124			
Surrogate: Dibromofluoromethane	48.6			ug/L	50.0		97.2	77.1-123			
Surrogate: Toluene-d8	48.2			ug/L	50.0		96.4	78.1-125			

LCS (B1G2613-BS1)

Prepared & Analyzed: 07/26/11

1,1,1,2-Tetrachloroethane	46.8			ug/L	50.0		93.6	75-120		20	
1,1-Dichloroethane	48.0			ug/L	50.0		96.0	79.6-120		20	
1,1-Dichloroethene	46.0			ug/L	50.0		92.0	78.3-120		20	
1,3,5-Trimethylbenzene	47.8			ug/L	50.0		95.6	77-120		20	
1,4-Dichlorobenzene	48.7			ug/L	50.0		97.3	75-125		20	
2-Chlorotoluene	47.4			ug/L	50.0		94.8	75.9-120		20	
Benzene	48.8			ug/L	50.0		97.6	80-120		20	
Bromoform	50.0			ug/L	50.0		100	80-120		20	
Chlorobenzene	48.8			ug/L	50.0		97.6	80-120		20	
Chloroform	47.8			ug/L	50.0		95.5	80-120		20	
Ethylbenzene	49.2			ug/L	50.0		98.5	80-120		20	
n-Butylbenzene	47.4			ug/L	50.0		94.7	75-125		20	
n-Propylbenzene	48.5			ug/L	50.0		97.0	75-120		20	
Toluene	49.2			ug/L	50.0		98.3	80-120		20	
Trichloroethene	49.9			ug/L	50.0		99.9	80-120		20	
Vinyl chloride	51.2			ug/L	50.0		102	75-130		20	
Surrogate: 4-Bromofluorobenzene	51.1			ug/L	50.0		102	80-124			
Surrogate: Dibromofluoromethane	48.1			ug/L	50.0		96.2	77.1-123			
Surrogate: Toluene-d8	48.8			ug/L	50.0		97.5	78.1-125			

Matrix Spike (B1G2613-MS1)

Source: 1103282-01

Prepared & Analyzed: 07/26/11

1,1,1,2-Tetrachloroethane	49.2			ug/L	50.0	<	98.4	75-125		20	
1,1-Dichloroethane	49.6			ug/L	50.0	<	99.2	78.7-123		20	
1,1-Dichloroethene	47.8			ug/L	50.0	<	95.6	75.8-121		20	
1,3,5-Trimethylbenzene	49.6			ug/L	50.0	<	99.2	75-120		20	
1,4-Dichlorobenzene	51.1			ug/L	50.0	<	102	75-125		20	
2-Chlorotoluene	49.4			ug/L	50.0	<	98.7	75-120		20	
Benzene	51.4			ug/L	50.0	<	103	80-120		20	
Bromoform	53.9			ug/L	50.0	<	108	80-120		20	
Chlorobenzene	52.6			ug/L	50.0	<	105	80-120		20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2613 - EPA 5035 Soil (Purge and Trap)

Matrix Spike (B1G2613-MS1)

Source: 1103282-01

Prepared & Analyzed: 07/26/11

Chloroform	48.7			ug/L	50.0	<	97.5	80-120		20	
Ethylbenzene	52.4			ug/L	50.0	<	105	80-120		20	
n-Butylbenzene	49.7			ug/L	50.0	<	99.5	73.8-125		20	
n-Propylbenzene	49.8			ug/L	50.0	<	99.6	75-120		20	
Toluene	51.6			ug/L	50.0	<	103	80-120		20	
Trichloroethene	50.8			ug/L	50.0	<	102	80-120		20	
Vinyl chloride	53.2			ug/L	50.0	<	106	74.8-130		20	
Surrogate: 4-Bromofluorobenzene	52.2			ug/L	50.0		104	80-124			
Surrogate: Dibromofluoromethane	48.3			ug/L	50.0		96.7	77.1-123			
Surrogate: Toluene-d8	49.6			ug/L	50.0		99.2	78.1-125			

Matrix Spike Dup (B1G2613-MSD1)

Source: 1103282-01

Prepared & Analyzed: 07/26/11

1,1,2,2-Tetrachloroethane	48.4			ug/L	50.0	<	96.8	75-125	1.62	20	
1,1-Dichloroethane	49.0			ug/L	50.0	<	98.0	78.7-123	1.26	20	
1,1-Dichloroethene	47.6			ug/L	50.0	<	95.2	75.8-121	0.429	20	
1,3,5-Trimethylbenzene	49.0			ug/L	50.0	<	98.0	75-120	1.19	20	
1,4-Dichlorobenzene	49.7			ug/L	50.0	<	99.3	75-125	2.87	20	
2-Chlorotoluene	48.3			ug/L	50.0	<	96.5	75-120	2.22	20	
Benzene	50.3			ug/L	50.0	<	101	80-120	2.21	20	
Bromoform	52.7			ug/L	50.0	<	105	80-120	2.21	20	
Chlorobenzene	52.3			ug/L	50.0	<	105	80-120	0.696	20	
Chloroform	48.2			ug/L	50.0	<	96.5	80-120	1.02	20	
Ethylbenzene	52.1			ug/L	50.0	<	104	80-120	0.684	20	
n-Butylbenzene	48.9			ug/L	50.0	<	97.8	73.8-125	1.72	20	
n-Propylbenzene	49.3			ug/L	50.0	<	98.7	75-120	0.962	20	
Toluene	50.6			ug/L	50.0	<	101	80-120	2.11	20	
Trichloroethene	50.0			ug/L	50.0	<	99.9	80-120	1.61	20	
Vinyl chloride	51.2			ug/L	50.0	<	102	74.8-130	3.83	20	
Surrogate: 4-Bromofluorobenzene	51.3			ug/L	50.0		103	80-124			
Surrogate: Dibromofluoromethane	49.1			ug/L	50.0		98.3	77.1-123			
Surrogate: Toluene-d8	48.9			ug/L	50.0		97.9	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2811 - General Prep											
Duplicate (B1G2811-DUP1)											
			Source: 1103282-01			Prepared & Analyzed: 07/28/11					
Flashpoint	>140			°F		>140				5	
Reference (B1G2811-SRM1)											
						Prepared & Analyzed: 07/28/11					
Flashpoint	78.0			°F	78.0		100	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103282 Date Reported: 07/29/11
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Notes and Definitions

- V8 Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- V7 Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- QM-10 LCS/LCSD were analyzed in place of MS/MSD.
- Q9 Insufficient sample received to meet method QC requirements.
- M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
- M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- B-02 Target analyte was present in the method blank between the MDL and RL.
- B-01 Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 1103282

Project Number: 23/19-1012.00 481 810

Project Name: WMPW East - Sewer Investigation

Sample Origin: State MN (use two letter postal state abbreviation)

COC Number: NO 36611

COC 1 of 1

Project Manager: JME

Project QC Contact: AAN

Sampled by: KEB/ADN

Laboratory: Legend

Analyzer: VOC, SO₂, PCBs, Flashpoint

Analyzer: PCBs

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Job Date	On Job Time	Received by	Received Date	Received Time
						Water	Soil					
1. USan CT-1	-	-	-	07/21/2011	1000	X	X	07/21/11	1445	Best Sample	7/21/11	1445
2. EP-USan CT	-	-	-	↓	1015	X	X					
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												

Number of Containers/Preservative

Water	Soil
VOCs (unpreserved) #2	X
Dissolved Metals (HNO ₃)	
Total Metals (HNO ₃)	
General (unpreserved) #3	
Diesel Range Organics (BCI)	
Nutrients (H ₂ SO ₄) #4	
VOCs (lared MeOH) #1	
GRX, BTEX (lared MeOH) #1	
DRD (lared unpreserved)	
Metals (unpreserved)	
VOCs (unpreserved) #2	X
% Solids (plastic vial, unpres.)	
Flashpoint	X
Total Number Of Containers	4

Received by: [Signature]

Received Date: 7/21/11

Received Time: 1445

Air Bill Number: 16155

10/21/2011

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRX, TPH, S200 Full List

#2 - Semivolatile Organics = PAHs, PCP, Dioxin, S270 Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TEN

Distribution: White-Original Accompanies Shipper to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Ice 22 Bubble 1.90

Custody Seals



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

July 29, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1103286
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 07/20/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of the original report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to be "WD", written over a horizontal line.

William Dahl
Senior Chemist
wdahl@legend-group.com

A handwritten signature in black ink, appearing to be "Terri A. Olson", written over a horizontal line.

Terri Olson
Report Reviewer
tolson@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
501F-SS1_0.5-0.5	1103286-01	Soil	07/20/11 09:00	07/20/11 16:55
RR-C5-SS1_0.5-0.5	1103286-02	Soil	07/20/11 09:30	07/20/11 16:55

Shipping Container Information

Default Cooler Temperature (°C): 1.9

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

MDH does not offer certification for the following parameters: carbazole in the 8270C analysis.

Recovery for mercury in the MS/MSD samples for batch B1G2605 were below the laboratory control limits. The LCS/LCSD samples and corresponding RPDs were within limits. The MS/MSD source sample was not associated with this work order.

Recovery for barium in the MS sample for batch B1G29025 was above the laboratory control limit. The LCS/LCSD/MSD samples and corresponding RPDs were within limits. The MS/MSD source sample was not associated with this work order.

This report was revised on July 29, 2011 to include the RCRA ICP metal results.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F-SS1_0.5-0.5 (1103286-01) Soil Sampled: 07/20/11 09:00 Received: 07/20/11 16:55										
Arsenic	3.4	0.57	0.062	mg/kg dry	1	B1G2902	07/26/11	07/29/11	EPA 6010B	
Barium	57	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	11	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	10	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1G2605	07/26/11	07/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1G2902	07/26/11	07/29/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
RR-C5-SS1_0.5-0.5 (1103286-02) Soil Sampled: 07/20/11 09:30 Received: 07/20/11 16:55										
Arsenic	2.8	0.55	0.060	mg/kg dry	1	B1G2902	07/26/11	07/29/11	EPA 6010B	
Barium	33	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	12	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	14	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1G2605	07/26/11	07/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1G2902	07/26/11	07/29/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F-SS1_0.5-0.5 (1103286-01) Soil Sampled: 07/20/11 09:00 Received: 07/20/11 16:55										
Aroclor 1016	<0.23	0.23	0.0090	mg/kg dry	1	B1G2202	07/22/11	07/23/11	EPA 8082	
Aroclor 1221	<0.23	0.23	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.23	0.23	0.026	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.23	0.23	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.23	0.23	0.045	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.23	0.23	0.045	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.23	0.23	0.0067	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	93.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	102			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F-SS1_0.5-0.5 (1103286-01) Soil Sampled: 07/20/11 09:00 Received: 07/20/11 16:55										
% Solids	88			%	1	B1G2519	07/25/11	07/25/11	%	calculation
RR-C5-SS1_0.5-0.5 (1103286-02) Soil Sampled: 07/20/11 09:30 Received: 07/20/11 16:55										
% Solids	91			%	1	B1G2519	07/25/11	07/25/11	%	calculation

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F-SS1_0.5-0.5 (1103286-01) Soil Sampled: 07/20/11 09:00 Received: 07/20/11 16:55										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1G2701	07/27/11	07/27/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.085	0.38	0.043	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	0.20	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.48	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.46	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.57	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.24	0.38	0.049	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F-SS1_0.5-0.5 (1103286-01) Soil Sampled: 07/20/11 09:00 Received: 07/20/11 16:55										
Benzo(k)fluoranthene	0.26	0.38	0.055	mg/kg dry	1	B1G2701	07/27/11	07/27/11	EPA 8270C	J
Benzoic acid	0.057	0.38	0.027	mg/kg dry	1	"	"	"	"	J
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	0.087	0.38	0.040	mg/kg dry	1	"	"	"	"	J
Chrysene	0.49	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.076	0.38	0.049	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.97	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	0.079	0.38	0.040	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.28	0.38	0.045	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.71	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.87	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	74.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	66.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	62.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-C5-SS1_0.5-0.5 (1103286-02) Soil Sampled: 07/20/11 09:30 Received: 07/20/11 16:55										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1G2701	07/27/11	07/27/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.045	0.36	0.040	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RR-C5-SS1_0.5-0.5 (1103286-02) Soil Sampled: 07/20/11 09:30 Received: 07/20/11 16:55										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1G2701	07/27/11	07/27/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.067	0.36	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	69.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	54.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	51.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	56.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	58.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	59.8			51-99.6 %		"	"	"	"	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2605 - EPA 7471A											
Blank (B1G2605-BLK1) Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1G2605-BS1) Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	0.206	0.10	0.019	mg/kg wet	0.200		103	80-120			
LCS Dup (B1G2605-BSD1) Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	0.215	0.10	0.019	mg/kg wet	0.200		108	80-120	4.28	20	
Matrix Spike (B1G2605-MS1) Source: 1103147-03 Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	0.221	0.092	0.017	mg/kg dry	0.184	0.117	56.2	75-125			M2
Matrix Spike Dup (B1G2605-MSD1) Source: 1103147-03 Prepared: 07/26/11 Analyzed: 07/27/11											
Mercury	0.224	0.093	0.018	mg/kg dry	0.185	0.117	57.2	75-125	1.22	20	M2
Batch B1G2902 - EPA 3050B											
Blank (B1G2902-BLK1) Prepared & Analyzed: 07/29/11											
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1G2902-BS1) Prepared & Analyzed: 07/29/11											
Arsenic	41.2	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	42.1	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.9	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	41.6	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	40.8	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			
LCS Dup (B1G2902-BSD1) Prepared & Analyzed: 07/29/11											
Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120	0.459	20	
Barium	42.3	1.0	0.060	mg/kg wet	39.9		106	80-120	0.350	20	
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120	0.450	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		104	80-120	0.506	20	
Lead	41.4	1.0	0.14	mg/kg wet	39.9		104	80-120	0.560	20	
Selenium	40.7	1.0	0.095	mg/kg wet	39.9		102	80-120	0.242	20	
Silver	4.18	0.25	0.016	mg/kg wet	3.99		105	80-120	0.643	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2902 - EPA 3050B											
Matrix Spike (B1G2902-MS1)		Source: 1103281-01				Prepared & Analyzed: 07/29/11					
Arsenic	47.6	0.56	0.061	mg/kg dry	44.5	3.60	98.9	75-125			
Barium	120	1.1	0.067	mg/kg dry	44.5	60.0	136	75-125			M1
Cadmium	44.2	0.28	0.037	mg/kg dry	44.5	<0.28	98.9	75-125			
Chromium	57.9	0.56	0.013	mg/kg dry	44.5	13.0	101	75-125			
Lead	52.0	1.1	0.16	mg/kg dry	44.5	9.17	96.4	75-125			
Selenium	42.5	1.1	0.11	mg/kg dry	44.5	<1.1	95.5	75-125			
Silver	4.38	0.28	0.018	mg/kg dry	4.45	<0.28	98.4	75-125			
Matrix Spike Dup (B1G2902-MSD1)											
Matrix Spike Dup (B1G2902-MSD1)		Source: 1103281-01				Prepared & Analyzed: 07/29/11					
Arsenic	47.8	0.59	0.065	mg/kg dry	45.6	3.60	96.9	75-125	0.496	20	
Barium	115	1.2	0.071	mg/kg dry	45.6	60.0	121	75-125	4.47	20	
Cadmium	44.5	0.29	0.039	mg/kg dry	45.6	<0.29	97.2	75-125	0.811	20	
Chromium	56.5	0.59	0.014	mg/kg dry	45.6	13.0	95.6	75-125	2.44	20	
Lead	52.5	1.2	0.16	mg/kg dry	45.6	9.17	95.0	75-125	0.880	20	
Selenium	43.7	1.2	0.11	mg/kg dry	45.6	<1.2	95.9	75-125	2.87	20	
Silver	4.46	0.29	0.019	mg/kg dry	4.56	<0.29	97.7	75-125	1.80	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2202 - EPA 3545 ASE Extraction											
Blank (B1G2202-BLK1)											
						Prepared: 07/22/11 Analyzed: 07/23/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0663			mg/kg wet	0.0667		99.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0593			mg/kg wet	0.0667		89.0	60.9-138			
LCS (B1G2202-BS1)											
						Prepared: 07/22/11 Analyzed: 07/23/11					
Aroclor 1260	0.301	0.20	0.0059	mg/kg wet	0.333		90.2	70-130			
Surrogate: Decachlorobiphenyl	0.0663			mg/kg wet	0.0667		99.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0610			mg/kg wet	0.0667		91.5	60.9-138			
Matrix Spike (B1G2202-MS1)											
						Source: 1103159-01 Prepared: 07/22/11 Analyzed: 07/23/11					
Aroclor 1260	0.368	0.24	0.0069	mg/kg dry	0.396	<0.24	92.9	70-130			
Surrogate: Decachlorobiphenyl	0.0713			mg/kg dry	0.0792		90.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0716			mg/kg dry	0.0792		90.5	60.9-138			
Matrix Spike Dup (B1G2202-MSD1)											
						Source: 1103159-01 Prepared: 07/22/11 Analyzed: 07/23/11					
Aroclor 1260	0.356	0.24	0.0069	mg/kg dry	0.393	<0.24	90.6	70-130	3.31	17.2	
Surrogate: Decachlorobiphenyl	0.0652			mg/kg dry	0.0785		83.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0691			mg/kg dry	0.0785		88.0	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1G2519 - General Preparation											
Duplicate (B1G2519-DUP1)											
	Source: 1103299-04		Prepared & Analyzed: 07/25/11								
% Solids	92.0			%		93.0			1.08	20	
Duplicate (B1G2519-DUP2)											
	Source: 1103317-05		Prepared & Analyzed: 07/25/11								
% Solids	88.0			%		90.0			2.25	20	
Duplicate (B1G2519-DUP3)											
	Source: 1103334-05		Prepared & Analyzed: 07/25/11								
% Solids	74.0			%		73.0			1.36	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2701 - EPA 3545 ASE Extraction

Blank (B1G2701-BLK1)

Prepared & Analyzed: 07/27/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2701 - EPA 3545 ASE Extraction

Blank (B1G2701-BLK1)

Prepared & Analyzed: 07/27/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.11			mg/kg wet	6.67		61.6	53-107			
Surrogate: 2-Fluorobiphenyl	3.60			mg/kg wet	6.67		54.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.37			mg/kg wet	6.67		50.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.63			mg/kg wet	6.67		54.4	48.9-100			
Surrogate: Phenol-d6	3.94			mg/kg wet	6.67		59.0	50.4-99.6			
Surrogate: Terphenyl-d14	3.93			mg/kg wet	6.67		59.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2701 - EPA 3545 ASE Extraction

LCS (B1G2701-BS1)

Prepared & Analyzed: 07/27/11

1,2,4-Trichlorobenzene	4.55	0.33	0.031	mg/kg wet	6.67		68.2	59.1-87.7		20	
1,4-Dichlorobenzene	3.82	0.33	0.029	mg/kg wet	6.67		57.3	50.3-72.9		20	
2,4-Dinitrotoluene	4.61	0.33	0.035	mg/kg wet	6.67		69.2	59.8-82.2		20	
2-Chlorophenol	4.34	0.67	0.060	mg/kg wet	6.67		65.2	59.7-77.3		20	
4-Chloro-3-methylphenol	4.47	0.67	0.066	mg/kg wet	6.67		67.0	63.6-80.4		20	
4-Nitrophenol	4.75	0.67	0.093	mg/kg wet	6.67		71.3	57.3-84.9		20	
Anthracene	5.22	0.33	0.036	mg/kg wet	6.67		78.2	67.3-88		20	
Benzo(a)anthracene	5.40	0.33	0.041	mg/kg wet	6.67		81.0	66.5-90.5		20	
Benzo(a)pyrene	5.40	0.33	0.042	mg/kg wet	6.67		80.9	66.1-89.7		20	
Chrysene	5.70	0.33	0.044	mg/kg wet	6.67		85.6	65.5-90.5		20	
Fluoranthene	4.99	0.33	0.039	mg/kg wet	6.67		74.9	66.7-89.9		20	
Fluorene	4.79	0.33	0.035	mg/kg wet	6.67		71.9	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.54	0.33	0.033	mg/kg wet	6.67		68.1	59.4-78		20	
Pentachlorophenol	4.42	0.67	0.078	mg/kg wet	6.67		66.3	46.7-83.2		20	
Phenanthrene	5.29	0.33	0.036	mg/kg wet	6.67		79.3	67.5-87.9		20	
Phenol	4.09	0.67	0.069	mg/kg wet	6.67		61.4	59.5-76.6		20	
Surrogate: 2,4,6-Tribromophenol	5.21			mg/kg wet	6.67		78.2	53-107			
Surrogate: 2-Fluorobiphenyl	4.90			mg/kg wet	6.67		73.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.14			mg/kg wet	6.67		62.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.94			mg/kg wet	6.67		74.1	48.9-100			
Surrogate: Phenol-d6	4.89			mg/kg wet	6.67		73.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.41			mg/kg wet	6.67		81.1	51-99.6			

Matrix Spike (B1G2701-MS1)

Source: 1103281-01

Prepared & Analyzed: 07/27/11

1,2,4-Trichlorobenzene	5.09	0.39	0.036	mg/kg dry	7.85	<0.39	64.8	44.8-97.9		19.6	
1,4-Dichlorobenzene	4.54	0.39	0.034	mg/kg dry	7.85	<0.39	57.9	42.3-77.9		22.4	
2,4-Dinitrotoluene	5.07	0.39	0.041	mg/kg dry	7.85	<0.39	64.5	57.3-86.6		19.5	
2-Chlorophenol	4.80	0.79	0.071	mg/kg dry	7.85	<0.79	61.1	43.3-93.2		23.7	
4-Chloro-3-methylphenol	5.12	0.79	0.078	mg/kg dry	7.85	<0.79	65.3	47.1-97.6		18.3	
4-Nitrophenol	5.52	0.79	0.11	mg/kg dry	7.85	<0.79	70.4	49.3-96.2		20.4	
Anthracene	5.82	0.39	0.042	mg/kg dry	7.85	<0.39	74.2	67.5-93.1		19.9	
Benzo(a)anthracene	5.93	0.39	0.048	mg/kg dry	7.85	<0.39	75.6	59.8-95.7		23.4	
Benzo(a)pyrene	5.84	0.39	0.049	mg/kg dry	7.85	<0.39	74.3	59.8-92.7		21.1	
Chrysene	6.24	0.39	0.052	mg/kg dry	7.85	<0.39	79.6	62.5-94.6		24.8	
Fluoranthene	5.48	0.39	0.046	mg/kg dry	7.85	<0.39	69.8	61.3-92.8		21.8	
Fluorene	5.46	0.39	0.041	mg/kg dry	7.85	<0.39	69.5	62.8-92.6		17.6	
N-Nitrosodi-n-propylamine	4.87	0.39	0.039	mg/kg dry	7.85	<0.39	62.0	46.9-89.9		18.9	
Pentachlorophenol	5.35	0.79	0.092	mg/kg dry	7.85	<0.79	68.2	40.1-95.1		19.7	
Phenanthrene	5.97	0.39	0.042	mg/kg dry	7.85	<0.39	76.1	65.2-92.2		20.5	
Phenol	4.52	0.79	0.081	mg/kg dry	7.85	<0.79	57.5	44.7-91		17.9	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 810 Project Manager: Ms. Andrea Nord	Work Order #: 1103286 Date Reported: 07/29/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1G2701 - EPA 3545 ASE Extraction

Matrix Spike (B1G2701-MS1)

Source: 1103281-01

Prepared & Analyzed: 07/27/11

Surrogate: 2,4,6-Tribromophenol	5.96			mg/kg dry	7.85		75.9	53-107			
Surrogate: 2-Fluorobiphenyl	5.01			mg/kg dry	7.85		63.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.68			mg/kg dry	7.85		59.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.18			mg/kg dry	7.85		66.0	48.9-100			
Surrogate: Phenol-d6	5.33			mg/kg dry	7.85		67.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.63			mg/kg dry	7.85		71.8	51-99.6			

Matrix Spike Dup (B1G2701-MSD1)

Source: 1103281-01

Prepared & Analyzed: 07/27/11

1,2,4-Trichlorobenzene	5.31	0.39	0.036	mg/kg dry	7.86	<0.39	67.5	44.8-97.9	4.22	19.6	
1,4-Dichlorobenzene	4.71	0.39	0.034	mg/kg dry	7.86	<0.39	59.8	42.3-77.9	3.57	22.4	
2,4-Dinitrotoluene	4.97	0.39	0.041	mg/kg dry	7.86	<0.39	63.3	57.3-86.6	1.83	19.5	
2-Chlorophenol	4.99	0.79	0.071	mg/kg dry	7.86	<0.79	63.4	43.3-93.2	3.88	23.7	
4-Chloro-3-methylphenol	5.11	0.79	0.078	mg/kg dry	7.86	<0.79	65.0	47.1-97.6	0.257	18.3	
4-Nitrophenol	5.46	0.79	0.11	mg/kg dry	7.86	<0.79	69.5	49.3-96.2	1.10	20.4	
Anthracene	5.83	0.39	0.042	mg/kg dry	7.86	<0.39	74.1	67.5-93.1	0.0609	19.9	
Benzo(a)anthracene	5.79	0.39	0.048	mg/kg dry	7.86	<0.39	73.6	59.8-95.7	2.49	23.4	
Benzo(a)pyrene	5.76	0.39	0.049	mg/kg dry	7.86	<0.39	73.2	59.8-92.7	1.33	21.1	
Chrysene	6.14	0.39	0.052	mg/kg dry	7.86	<0.39	78.1	62.5-94.6	1.70	24.8	
Fluoranthene	5.42	0.39	0.046	mg/kg dry	7.86	<0.39	68.9	61.3-92.8	1.12	21.8	
Fluorene	5.41	0.39	0.041	mg/kg dry	7.86	<0.39	68.8	62.8-92.6	0.913	17.6	
N-Nitrosodi-n-propylamine	5.05	0.39	0.039	mg/kg dry	7.86	<0.39	64.2	46.9-89.9	3.77	18.9	
Pentachlorophenol	5.39	0.79	0.092	mg/kg dry	7.86	<0.79	68.5	40.1-95.1	0.721	19.7	
Phenanthrene	5.90	0.39	0.042	mg/kg dry	7.86	<0.39	75.0	65.2-92.2	1.16	20.5	
Phenol	4.68	0.79	0.081	mg/kg dry	7.86	<0.79	59.5	44.7-91	3.52	17.9	
Surrogate: 2,4,6-Tribromophenol	5.84			mg/kg dry	7.86		74.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.07			mg/kg dry	7.86		64.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.73			mg/kg dry	7.86		60.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.32			mg/kg dry	7.86		67.6	48.9-100			
Surrogate: Phenol-d6	5.47			mg/kg dry	7.86		69.5	50.4-99.6			
Surrogate: Terphenyl-d14	5.44			mg/kg dry	7.86		69.2	51-99.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092.00 48RI 810
Project Manager: Ms. Andrea Nord

Work Order #: 1103286
Date Reported: 07/29/11

Notes and Definitions

M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 2319-1092-00 4821 810
Project Name: UMare East-Gow Central
Sample Origin: State MIN (use two letter postal state abbreviation)
COC Number: NO 36489

Project Manager: JME
Project QC Contact: AAN
Sampled by: KLB/ADD
Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Ice?	Date	Time
						Water	Soil			
1. 501F-SS1	0.5	0.5	ft	07/20/2011	1900	X	X	Y	7/20/11	1445
2. RALS-SS1	0.5	0.5	ft	↓	0930	X	X	Y	7/20/11	1655
3.										
4.										
5.										
6.										
7.										
8.										
9.										
10.										

Matrix Type: Comp Grab

Number of Containers/Preservative:

Water	Soil	Total Number of Containers
VOCs (unpreserved) #2		4
Dissolved Metals (HNO ₃)		
Total Metals (HNO ₃)		
General (unpreserved) #3		
Diesel Range Organics (HCl)		
Nutrients (H ₂ SO ₄) #4		
VOCs (tared MeOH) #1		
GRG, BTEX (tared MeOH) #1		
DRO (tared unpreserved)		
Metals (unpreserved)		
SVOCS (unpreserved) #2		
* Solids (plastic vial unpres.)		

Analysis: Analyze SVOCS
PCB's BKA Metals
Analyze SVOCS
TRCA Metals

Received by: AWT-Schipe Date: 7/20/11 Time: 1445
Relinquished by: AWT-Schipe Date: 7/20/11 Time: 1655

Samples Shipped Via: Air Freight Federal Express Sampler Other: Legend

Distribution: White-Original Accompanies Shipments to Lab; Yellow-Field Copy; Pink-Lab Coordinator
Customer: Dec RR Bubbb 1.9

BULK MATERIAL ASBESTOS ANALYSIS REPORT

Client: Ms. Andrea Nord
 Barr Engineering Co.
 4700 West 77th Street
 Minneapolis, MN 55435-4803

Report Date: 7/27/11

Project No.: 1103418

Client Project: 23191092 - 48RI 810 - Umore East RI ABC Line

Date Received: 7/26/11

Date Analyzed: 7/27/11

SAMPLE NO.	LAB NO.	SAMPLE DESCRIPTION	ASBESTOS TYPE (%)	OTHER MATERIAL (%)
U-111B-TT1-Pipe	1103418 - 1	U-111B-TT1-Pipe Gray, Fibrous Homogeneous	97% Chrysotile	3% Cellulose

The analysis was performed in accordance with current U.S. Environmental Protection Agency (USEPA) protocols, "Method for the Determination of Asbestos in Bulk Building Materials," EPA 600/R-93/116, 1993. All reported percentages are by visual estimates. In the case of nonhomogeneous samples, each material or layer is analyzed separately and the reported percentages are based on the total sample as received, unless other instructions are received from the client. The samples were received in acceptable condition.

NVLAP Laboratory Accreditation Number: 102081-0

ANALYST:



Todd Giorgi
 Microscopist

- This document cannot be duplicated, except in its entirety, without the express written authorization from LEGEND TECHNICAL SERVICES, INC.
- This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.
- This report relates only to the above items tested.

1103418

Project Number: 23/19-1092 48RI 810
 Project Name: Umure East RI-ABC Line
 Sample Origination State MN (use two letter postal state abbreviation)

COC Number: **№ 36484**

Number of Containers/Preservative		COC <u>1</u> of <u>1</u>														
Water										Soil						Total Number Of Containers
VOC's (HCl) #1	SVOC's (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOC's (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOC's (unpreserved) #2	% Solids (plastic vial, unpres.)	Asbestos			
													X	1		

Project Manager: JME
 Project OC Contact: AAN
 Sampled by: ADN
 Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type			VOC's (HCl) #1	SVOC's (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOC's (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOC's (unpreserved) #2	% Solids (plastic vial, unpres.)	Asbestos	Total Number Of Containers		
						Water	Soil	Grab	Comp.	OC																	
1. U-111B-TTI-Pipe	4'	4'	FT	6/23/2011	8:30	X	X																		1	Analyze for Asbestos	
2.																											
3.																											
4.																											
5.																											
6.																											
7.																											
8.																											
9.																											
10.																											

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <u>[Signature]</u>	On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Date	Time	Received by:	Date	Time
Relinquished By: <u>[Signature]</u>	On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Date	Time	Received by: <u>[Signature]</u>	Date <u>7/26/11</u>	Time <u>15:05</u>
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other: _____				Air Bill Number:		

HR\GIS\TD\FORMS\Chain Of Custody Form 2009_RLG Rev 09/01/09



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 18, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104845
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/11/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "T-LE", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
301ALP-SS3_0.5-0.5	1104845-01	Soil	10/10/11 10:05	10/11/11 10:30
301ALP-SS4_0.5-0.5	1104845-02	Soil	10/10/11 10:15	10/11/11 10:30
301ALP-SS5_0.5-0.5	1104845-03	Soil	10/10/11 10:25	10/11/11 10:30
303A-SS6_0.5-0.5	1104845-04	Soil	10/10/11 10:40	10/11/11 10:30
303A-SS10_0.5-0.5	1104845-05	Soil	10/10/11 10:50	10/11/11 10:30
303A-SS9_0.5-0.5	1104845-06	Soil	10/10/11 11:00	10/11/11 10:30
303A-SS8_0.5-0.5	1104845-07	Soil	10/10/11 11:15	10/11/11 10:30
303A-SS11_0.5-0.5	1104845-08	Soil	10/10/11 11:30	10/11/11 10:30
FB-1	1104845-09	Water	10/10/11 00:00	10/11/11 10:30
CAP-SS1_0.5-0.5	1104845-10	Soil	10/10/11 12:50	10/11/11 10:30
CAP-SS2_0.5-0.5	1104845-11	Soil	10/10/11 13:00	10/11/11 10:30
CAP-SS3_0.5-0.5	1104845-12	Soil	10/10/11 13:15	10/11/11 10:30
CAP-SS4_0.5-0.5	1104845-13	Soil	10/10/11 13:30	10/11/11 10:30
CAP-SS5_0.5-0.5	1104845-14	Soil	10/10/11 13:45	10/11/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 5.1

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
301ALP-SS3_0.5-0.5 (1104845-01) Soil Sampled: 10/10/11 10:05 Received: 10/11/11 10:30										
Arsenic	2.3	0.51	0.056	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	36	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	11	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	3.5	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1312	10/13/11	10/14/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
301ALP-SS4_0.5-0.5 (1104845-02) Soil Sampled: 10/10/11 10:15 Received: 10/11/11 10:30										
Arsenic	2.8	0.51	0.056	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	45	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	11	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	4.5	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
301ALP-SS5_0.5-0.5 (1104845-03) Soil Sampled: 10/10/11 10:25 Received: 10/11/11 10:30										
Arsenic	2.3	0.51	0.056	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	120	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	18	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	6.5	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
303A-SS6_0.5-0.5 (1104845-04) Soil Sampled: 10/10/11 10:40 Received: 10/11/11 10:30										
Arsenic	2.9	0.52	0.057	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	36	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	10	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	1100	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
303A-SS10_0.5-0.5 (1104845-05) Soil Sampled: 10/10/11 10:50 Received: 10/11/11 10:30										
Arsenic	4.0	0.53	0.059	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-SS10_0.5-0.5 (1104845-05) Soil Sampled: 10/10/11 10:50 Received: 10/11/11 10:30										
Barium	83	1.1	0.064	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	14	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	840	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
303A-SS9_0.5-0.5 (1104845-06) Soil Sampled: 10/10/11 11:00 Received: 10/11/11 10:30										
Arsenic	5.0	0.53	0.059	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	84	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	19	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	2800	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.018	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
303A-SS8_0.5-0.5 (1104845-07) Soil Sampled: 10/10/11 11:15 Received: 10/11/11 10:30										
Arsenic	2.3	0.53	0.058	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	32	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	12	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	280	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	0.45	0.11	0.020	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
303A-SS11_0.5-0.5 (1104845-08) Soil Sampled: 10/10/11 11:30 Received: 10/11/11 10:30										
Arsenic	3.6	0.49	0.054	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	47	0.97	0.058	mg/kg dry	1	"	"	"	"	
Cadmium	0.27	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	12	0.49	0.012	mg/kg dry	1	"	"	"	"	
Lead	18	0.97	0.14	mg/kg dry	1	"	"	"	"	
Mercury	0.11	0.098	0.019	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<0.97	0.97	0.092	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.24	0.24	0.016	mg/kg dry	1	"	"	"	"	
FB-1 (1104845-09) Water Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1J1308	10/13/11	10/13/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1104845-09) Water Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	B1J1308	10/13/11	10/13/11	EPA 6010B	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1J1315	10/13/11	10/17/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1J1308	10/13/11	10/13/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
CAP-SS1_0.5-0.5 (1104845-10) Soil Sampled: 10/10/11 12:50 Received: 10/11/11 10:30										
Arsenic	8.3	0.60	0.065	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	170	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	0.35	0.30	0.039	mg/kg dry	1	"	"	"	"	
Chromium	27	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	15	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
CAP-SS2_0.5-0.5 (1104845-11) Soil Sampled: 10/10/11 13:00 Received: 10/11/11 10:30										
Arsenic	11	0.62	0.069	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	220	1.2	0.075	mg/kg dry	1	"	"	"	"	
Cadmium	0.50	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	34	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	21	1.2	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.024	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
CAP-SS3_0.5-0.5 (1104845-12) Soil Sampled: 10/10/11 13:15 Received: 10/11/11 10:30										
Arsenic	4.9	0.56	0.062	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	150	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	17	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
CAP-SS4_0.5-0.5 (1104845-13) Soil Sampled: 10/10/11 13:30 Received: 10/11/11 10:30										
Arsenic	5.6	0.56	0.062	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	130	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-SS4_0.5-0.5 (1104845-13) Soil Sampled: 10/10/11 13:30 Received: 10/11/11 10:30										
Chromium	18	0.56	0.013	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Lead	11	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
CAP-SS5_0.5-0.5 (1104845-14) Soil Sampled: 10/10/11 13:45 Received: 10/11/11 10:30										
Arsenic	2.3	0.51	0.056	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	25	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	7.5	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	6.0	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.088	0.088	0.017	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
301ALP-SS3_0.5-0.5 (1104845-01) Soil Sampled: 10/10/11 10:05 Received: 10/11/11 10:30										
% Solids	98			%	1	B1J1314	10/13/11	10/13/11	% calculation	
301ALP-SS4_0.5-0.5 (1104845-02) Soil Sampled: 10/10/11 10:15 Received: 10/11/11 10:30										
% Solids	98			%	1	B1J1314	10/13/11	10/13/11	% calculation	
301ALP-SS5_0.5-0.5 (1104845-03) Soil Sampled: 10/10/11 10:25 Received: 10/11/11 10:30										
% Solids	98			%	1	B1J1314	10/13/11	10/13/11	% calculation	
303A-SS6_0.5-0.5 (1104845-04) Soil Sampled: 10/10/11 10:40 Received: 10/11/11 10:30										
% Solids	97			%	1	B1J1314	10/13/11	10/13/11	% calculation	
303A-SS10_0.5-0.5 (1104845-05) Soil Sampled: 10/10/11 10:50 Received: 10/11/11 10:30										
% Solids	94			%	1	B1J1314	10/13/11	10/13/11	% calculation	
303A-SS9_0.5-0.5 (1104845-06) Soil Sampled: 10/10/11 11:00 Received: 10/11/11 10:30										
% Solids	94			%	1	B1J1314	10/13/11	10/13/11	% calculation	
303A-SS8_0.5-0.5 (1104845-07) Soil Sampled: 10/10/11 11:15 Received: 10/11/11 10:30										
% Solids	95			%	1	B1J1314	10/13/11	10/13/11	% calculation	
303A-SS11_0.5-0.5 (1104845-08) Soil Sampled: 10/10/11 11:30 Received: 10/11/11 10:30										
% Solids	97			%	1	B1J1314	10/13/11	10/13/11	% calculation	
CAP-SS1_0.5-0.5 (1104845-10) Soil Sampled: 10/10/11 12:50 Received: 10/11/11 10:30										
% Solids	84			%	1	B1J1314	10/13/11	10/13/11	% calculation	
CAP-SS2_0.5-0.5 (1104845-11) Soil Sampled: 10/10/11 13:00 Received: 10/11/11 10:30										
% Solids	80			%	1	B1J1314	10/13/11	10/13/11	% calculation	
CAP-SS3_0.5-0.5 (1104845-12) Soil Sampled: 10/10/11 13:15 Received: 10/11/11 10:30										
% Solids	89			%	1	B1J1314	10/13/11	10/13/11	% calculation	
CAP-SS4_0.5-0.5 (1104845-13) Soil Sampled: 10/10/11 13:30 Received: 10/11/11 10:30										
% Solids	89			%	1	B1J1314	10/13/11	10/13/11	% calculation	
CAP-SS5_0.5-0.5 (1104845-14) Soil Sampled: 10/10/11 13:45 Received: 10/11/11 10:30										
% Solids	99			%	1	B1J1314	10/13/11	10/13/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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CAP-SS2_0.5-0.5 (1104845-11) Soil **Sampled: 10/10/11 13:00** **Received: 10/11/11 10:30**

1,2,4-Trichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.84	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.094	0.84	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.075	0.84	0.075	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.84	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.082	0.84	0.082	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.84	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.84	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.1	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-SS2_0.5-0.5 (1104845-11) Soil Sampled: 10/10/11 13:00 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.060	0.41	0.060	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.050	0.41	0.050	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Phenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	90.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1203 - EPA 3050B

Blank (B1J1203-BLK1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1203-BS1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	39.8	0.50	0.055	mg/kg wet	39.9		99.6	80-120			
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120			
Cadmium	39.8	0.25	0.033	mg/kg wet	39.9		99.8	80-120			
Chromium	40.3	0.50	0.012	mg/kg wet	39.9		101	80-120			
Lead	41.3	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	39.9	1.0	0.095	mg/kg wet	39.9		99.9	80-120			
Silver	3.96	0.25	0.016	mg/kg wet	3.99		99.3	80-120			

LCS Dup (B1J1203-BSD1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	39.7	0.50	0.055	mg/kg wet	39.9		99.4	80-120	0.227	20	
Barium	42.0	1.0	0.060	mg/kg wet	39.9		105	80-120	0.498	20	
Cadmium	39.7	0.25	0.033	mg/kg wet	39.9		99.6	80-120	0.239	20	
Chromium	40.1	0.50	0.012	mg/kg wet	39.9		101	80-120	0.499	20	
Lead	41.3	1.0	0.14	mg/kg wet	39.9		103	80-120	0.144	20	
Selenium	39.9	1.0	0.095	mg/kg wet	39.9		100	80-120	0.0548	20	
Silver	4.05	0.25	0.016	mg/kg wet	3.99		101	80-120	2.21	20	

Matrix Spike (B1J1203-MS1)

Source: 1104845-01

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	38.5	0.51	0.056	mg/kg dry	39.7	2.32	91.3	75-125			
Barium	76.8	1.0	0.061	mg/kg dry	39.7	36.2	102	75-125			
Cadmium	37.1	0.26	0.034	mg/kg dry	39.7	<0.26	93.4	75-125			
Chromium	47.4	0.51	0.012	mg/kg dry	39.7	10.9	92.0	75-125			
Lead	40.6	1.0	0.14	mg/kg dry	39.7	3.49	93.5	75-125			
Selenium	36.4	1.0	0.097	mg/kg dry	39.7	<1.0	91.8	75-125			
Silver	3.62	0.26	0.016	mg/kg dry	3.97	<0.26	91.3	75-125			

Matrix Spike Dup (B1J1203-MSD1)

Source: 1104845-01

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	39.3	0.51	0.056	mg/kg dry	39.6	2.32	93.2	75-125	1.93	20	
Barium	79.1	1.0	0.061	mg/kg dry	39.6	36.2	108	75-125	2.88	20	
Cadmium	37.2	0.26	0.034	mg/kg dry	39.6	<0.26	93.7	75-125	0.265	20	
Chromium	47.7	0.51	0.012	mg/kg dry	39.6	10.9	93.0	75-125	0.747	20	
Lead	40.9	1.0	0.14	mg/kg dry	39.6	3.49	94.5	75-125	0.884	20	
Selenium	36.6	1.0	0.097	mg/kg dry	39.6	<1.0	92.4	75-125	0.536	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1203 - EPA 3050B

Matrix Spike Dup (B1J1203-MSD1)

Source: 1104845-01

Prepared: 10/12/11 Analyzed: 10/13/11

Silver	3.69	0.26	0.016	mg/kg dry	3.96	<0.26	93.2	75-125	1.97	20	
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Batch B1J1308 - 200.7/ No Digest

Blank (B1J1308-BLK1)

Prepared & Analyzed: 10/13/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1J1308-BS1)

Prepared & Analyzed: 10/13/11

Arsenic	0.396	0.010	0.0011	mg/L	0.399		99.2	80-120			
Barium	0.413	0.020	0.0012	mg/L	0.399		104	80-120			
Cadmium	0.394	0.0010	0.00013	mg/L	0.399		98.6	80-120			
Chromium	0.402	0.010	0.00024	mg/L	0.399		101	80-120			
Lead	0.415	0.0030	0.00042	mg/L	0.399		104	80-120			
Selenium	0.393	0.020	0.0019	mg/L	0.399		98.5	80-120			
Silver	0.0399	0.0050	0.00031	mg/L	0.0399		100	80-120			

LCS Dup (B1J1308-BSD1)

Prepared & Analyzed: 10/13/11

Arsenic	0.401	0.010	0.0011	mg/L	0.399		101	80-120	1.35	20	
Barium	0.424	0.020	0.0012	mg/L	0.399		106	80-120	2.60	20	
Cadmium	0.399	0.0010	0.00013	mg/L	0.399		100	80-120	1.41	20	
Chromium	0.408	0.010	0.00024	mg/L	0.399		102	80-120	1.42	20	
Lead	0.422	0.0030	0.00042	mg/L	0.399		106	80-120	1.58	20	
Selenium	0.403	0.020	0.0019	mg/L	0.399		101	80-120	2.40	20	
Silver	0.0411	0.0050	0.00031	mg/L	0.0399		103	80-120	2.93	20	

Matrix Spike (B1J1308-MS1)

Source: 1104916-14

Prepared & Analyzed: 10/13/11

Arsenic	0.398	0.010	0.0011	mg/L	0.399	<0.010	99.7	75-125			
Barium	0.423	0.020	0.0012	mg/L	0.399	<0.020	105	75-125			
Cadmium	0.396	0.0010	0.00013	mg/L	0.399	<0.0010	99.3	75-125			
Chromium	0.405	0.010	0.00024	mg/L	0.399	<0.010	101	75-125			
Lead	0.418	0.0030	0.00042	mg/L	0.399	<0.0030	105	75-125			
Selenium	0.393	0.020	0.0019	mg/L	0.399	<0.020	98.5	75-125			
Silver	0.0405	0.0050	0.00031	mg/L	0.0399	<0.0050	101	75-125			

Matrix Spike Dup (B1J1308-MSD1)

Source: 1104916-14

Prepared & Analyzed: 10/13/11

Arsenic	0.398	0.010	0.0011	mg/L	0.399	<0.010	99.8	75-125	0.0734	20	
Barium	0.421	0.020	0.0012	mg/L	0.399	<0.020	105	75-125	0.324	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1308 - 200.7/ No Digest											
Matrix Spike Dup (B1J1308-MSD1)			Source: 1104916-14			Prepared & Analyzed: 10/13/11					
Cadmium	0.397	0.0010	0.00013	mg/L	0.399	<0.0010	99.5	75-125	0.155	20	
Chromium	0.407	0.010	0.00024	mg/L	0.399	<0.010	102	75-125	0.518	20	
Lead	0.421	0.0030	0.00042	mg/L	0.399	<0.0030	106	75-125	0.830	20	
Selenium	0.397	0.020	0.0019	mg/L	0.399	<0.020	99.5	75-125	1.00	20	
Silver	0.0397	0.0050	0.00031	mg/L	0.0399	<0.0050	99.6	75-125	1.85	20	
Batch B1J1312 - EPA 7471A											
Blank (B1J1312-BLK1)						Prepared: 10/13/11 Analyzed: 10/14/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1312-BS1)						Prepared: 10/13/11 Analyzed: 10/14/11					
Mercury	0.215	0.10	0.019	mg/kg wet	0.200		108	80-120			
LCS Dup (B1J1312-BSD1)						Prepared: 10/13/11 Analyzed: 10/14/11					
Mercury	0.206	0.10	0.019	mg/kg wet	0.200		103	80-120	4.28	20	
Matrix Spike (B1J1312-MS1)			Source: 1104845-01			Prepared: 10/13/11 Analyzed: 10/14/11					
Mercury	0.189	0.090	0.017	mg/kg dry	0.180	<0.090	105	75-125			
Matrix Spike Dup (B1J1312-MSD1)			Source: 1104845-01			Prepared: 10/13/11 Analyzed: 10/14/11					
Mercury	0.219	0.10	0.019	mg/kg dry	0.200	<0.10	110	75-125	14.6	20	
Batch B1J1315 - EPA 245.1/7470A Digestion											
Blank (B1J1315-BLK1)						Prepared: 10/13/11 Analyzed: 10/14/11					
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1J1315-BS1)						Prepared: 10/13/11 Analyzed: 10/14/11					
Mercury	0.00206	0.00020	0.000037	mg/L	0.00200		103	80-120			
LCS Dup (B1J1315-BSD1)						Prepared: 10/13/11 Analyzed: 10/14/11					
Mercury	0.00209	0.00020	0.000037	mg/L	0.00200		104	80-120	1.45	20	
Matrix Spike (B1J1315-MS1)			Source: 1104845-09			Prepared: 10/13/11 Analyzed: 10/17/11					
Mercury	0.00212	0.00020	0.000037	mg/L	0.00200	<0.00020	103	75-125			
Matrix Spike Dup (B1J1315-MSD1)			Source: 1104845-09			Prepared: 10/13/11 Analyzed: 10/17/11					
Mercury	0.00210	0.00020	0.000037	mg/L	0.00200	<0.00020	102	75-125	0.948	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1314 - General Preparation											
Duplicate (B1J1314-DUP1)											
% Solids	81.0			%		80.0			1.24	20	
Duplicate (B1J1314-DUP2)											
% Solids	85.0			%		85.0			0.00	20	
Duplicate (B1J1314-DUP3)											
% Solids	89.0			%		88.0			1.13	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Blank (B1J1401-BLK1)

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Blank (B1J1401-BLK1)

Prepared & Analyzed: 10/14/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.37			mg/kg wet	6.67		65.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.19			mg/kg wet	6.67		62.8	53.9-97.9			
Surrogate: 2-Fluorophenol	3.90			mg/kg wet	6.67		58.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.17			mg/kg wet	6.67		62.6	48.9-100			
Surrogate: Phenol-d6	4.67			mg/kg wet	6.67		70.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.20			mg/kg wet	6.67		63.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

LCS (B1J1401-BS1)

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	4.41	0.33	0.031	mg/kg wet	6.67		66.1	59.1-87.7			
1,4-Dichlorobenzene	4.07	0.33	0.029	mg/kg wet	6.67		61.0	50.3-72.9			
2,4-Dinitrotoluene	4.82	0.33	0.035	mg/kg wet	6.67		72.2	59.8-82.2			
2-Chlorophenol	4.36	0.67	0.060	mg/kg wet	6.67		65.4	59.7-77.3			
4-Chloro-3-methylphenol	4.71	0.67	0.066	mg/kg wet	6.67		70.6	63.6-80.4			
4-Nitrophenol	5.18	0.67	0.093	mg/kg wet	6.67		77.8	57.3-84.9			
Anthracene	4.79	0.33	0.036	mg/kg wet	6.67		71.9	67.3-88			
Benzo(a)anthracene	4.96	0.33	0.041	mg/kg wet	6.67		74.3	66.5-90.5			
Benzo(a)pyrene	4.69	0.33	0.042	mg/kg wet	6.67		70.3	66.1-89.7			
Chrysene	5.05	0.33	0.044	mg/kg wet	6.67		75.7	65.5-90.5			
Fluoranthene	4.73	0.33	0.039	mg/kg wet	6.67		71.0	66.7-89.9			
Fluorene	4.77	0.33	0.035	mg/kg wet	6.67		71.5	66.2-85.6			
N-Nitrosodi-n-propylamine	4.57	0.33	0.033	mg/kg wet	6.67		68.5	59.4-78			
Pentachlorophenol	3.59	0.67	0.078	mg/kg wet	6.67		53.8	46.7-83.2			
Phenanthrene	4.84	0.33	0.036	mg/kg wet	6.67		72.6	67.5-87.9			
Phenol	4.41	0.67	0.069	mg/kg wet	6.67		66.2	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.38			mg/kg wet	6.67		65.7	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.16			mg/kg wet	6.67		62.4	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.05			mg/kg wet	6.67		60.7	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.27			mg/kg wet	6.67		64.1	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.51			mg/kg wet	6.67		67.7	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.30			mg/kg wet	6.67		64.5	51-99.6			

Matrix Spike (B1J1401-MS1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	5.13	0.37	0.035	mg/kg dry	7.50	<0.37	68.4	44.8-97.9			
1,4-Dichlorobenzene	4.62	0.37	0.033	mg/kg dry	7.50	<0.37	61.7	42.3-77.9			
2,4-Dinitrotoluene	5.64	0.37	0.039	mg/kg dry	7.50	<0.37	75.3	57.3-86.6			
2-Chlorophenol	5.05	0.75	0.067	mg/kg dry	7.50	<0.75	67.4	43.3-93.2			
4-Chloro-3-methylphenol	5.74	0.75	0.074	mg/kg dry	7.50	<0.75	76.6	47.1-97.6			
4-Nitrophenol	6.29	0.75	0.10	mg/kg dry	7.50	<0.75	83.9	49.3-96.2			
Anthracene	5.88	0.37	0.040	mg/kg dry	7.50	<0.37	78.4	67.5-93.1			
Benzo(a)anthracene	5.85	0.37	0.046	mg/kg dry	7.50	<0.37	78.0	59.8-95.7			
Benzo(a)pyrene	5.40	0.37	0.047	mg/kg dry	7.50	<0.37	72.0	59.8-92.7			
Chrysene	6.10	0.37	0.049	mg/kg dry	7.50	<0.37	81.4	62.5-94.6			
Fluoranthene	5.51	0.37	0.044	mg/kg dry	7.50	<0.37	73.5	61.3-92.8			
Fluorene	5.59	0.37	0.039	mg/kg dry	7.50	<0.37	74.5	62.8-92.6			
N-Nitrosodi-n-propylamine	5.37	0.37	0.037	mg/kg dry	7.50	<0.37	71.6	46.9-89.9			
Pentachlorophenol	5.86	0.75	0.088	mg/kg dry	7.50	<0.75	78.2	40.1-95.1			
Phenanthrene	5.93	0.37	0.040	mg/kg dry	7.50	<0.37	79.0	65.2-92.2			
Phenol	5.15	0.75	0.078	mg/kg dry	7.50	<0.75	68.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1104845 Date Reported: 10/18/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Matrix Spike (B1J1401-MS1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

Surrogate: 2,4,6-Tribromophenol	6.08			mg/kg dry	7.50		81.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.87			mg/kg dry	7.50		65.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.77			mg/kg dry	7.50		63.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.02			mg/kg dry	7.50		66.9	48.9-100			
Surrogate: Phenol-d6	4.98			mg/kg dry	7.50		66.5	50.4-99.6			
Surrogate: Terphenyl-d14	5.32			mg/kg dry	7.50		71.0	51-99.6			

Matrix Spike Dup (B1J1401-MSD1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	5.16	0.37	0.035	mg/kg dry	7.52	<0.37	68.6	44.8-97.9	0.573	19.6	
1,4-Dichlorobenzene	4.69	0.37	0.033	mg/kg dry	7.52	<0.37	62.3	42.3-77.9	1.35	22.4	
2,4-Dinitrotoluene	5.83	0.37	0.039	mg/kg dry	7.52	<0.37	77.6	57.3-86.6	3.34	19.5	
2-Chlorophenol	5.26	0.75	0.067	mg/kg dry	7.52	<0.75	69.9	43.3-93.2	4.02	23.7	
4-Chloro-3-methylphenol	5.82	0.75	0.074	mg/kg dry	7.52	<0.75	77.3	47.1-97.6	1.28	18.3	
4-Nitrophenol	6.67	0.75	0.10	mg/kg dry	7.52	<0.75	88.7	49.3-96.2	5.84	20.4	
Anthracene	6.02	0.37	0.040	mg/kg dry	7.52	<0.37	80.1	67.5-93.1	2.48	19.9	
Benzo(a)anthracene	6.03	0.37	0.046	mg/kg dry	7.52	<0.37	80.2	59.8-95.7	3.02	23.4	
Benzo(a)pyrene	5.56	0.37	0.047	mg/kg dry	7.52	<0.37	73.9	59.8-92.7	2.88	21.1	
Chrysene	6.32	0.37	0.049	mg/kg dry	7.52	<0.37	84.0	62.5-94.6	3.48	24.8	
Fluoranthene	5.69	0.37	0.044	mg/kg dry	7.52	<0.37	75.6	61.3-92.8	3.19	21.8	
Fluorene	5.77	0.37	0.039	mg/kg dry	7.52	<0.37	76.7	62.8-92.6	3.15	17.6	
N-Nitrosodi-n-propylamine	5.53	0.37	0.037	mg/kg dry	7.52	<0.37	73.5	46.9-89.9	2.99	18.9	
Pentachlorophenol	6.07	0.75	0.088	mg/kg dry	7.52	<0.75	80.7	40.1-95.1	3.52	19.7	
Phenanthrene	6.04	0.37	0.040	mg/kg dry	7.52	<0.37	80.3	65.2-92.2	1.90	20.5	
Phenol	5.20	0.75	0.078	mg/kg dry	7.52	<0.75	69.2	44.7-91	1.09	17.9	
Surrogate: 2,4,6-Tribromophenol	6.26			mg/kg dry	7.52		83.3	53-107			
Surrogate: 2-Fluorobiphenyl	5.10			mg/kg dry	7.52		67.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.85			mg/kg dry	7.52		64.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.15			mg/kg dry	7.52		68.5	48.9-100			
Surrogate: Phenol-d6	5.41			mg/kg dry	7.52		71.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.45			mg/kg dry	7.52		72.4	51-99.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 820 GOW East
Project Manager: Ms. Andrea Nord

Work Order #: 1104845
Date Reported: 10/18/11

Notes and Definitions

T-1 MDH does not offer certification for this parameter.
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

BARR 1104845

Project Number: 2319-1092 48RI 520 10/11/11 RP

Project Name: Upret East RI → GOW East

Sample Origination State: MN (use two letter postal state abbreviation)

CDC Number: NO 37360

COC 21 of 2

Project Manager: JME
 Project QC Contact: AAU
 Sampled by: ADN
 Laboratory: LEGEND

ANALYZE RELATIONS
 AND STORE CONTENT
 MS/MSD
 Analyze for RURA
 Metals

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type			Number of Containers/Preservative										Date	Time						
						Water	Soil	Grb	QC	Water					Soil											
						Water	Soil	Grb	QC	VOCs (HCl) #1	SVOCS (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRG, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	# Solids (plastic vial, unpres.)	Total Number Of Containers	Date	Time	
1. 301ALP-553	0.5	0.5	FT	10/10/2011	10:05	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	1		
2. 301ALP-554					10:15	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	1		
3. 301ALP-555					10:25	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	3		
4. 303A-556					10:40	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	1		
5. 303A-5510					10:50	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	1		
6. 303A-559					11:00	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	1		
7. 303A-558					11:15	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	1		
8. 303A-5511					11:30	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	1		
9. 01FB-1						X			X															1		
10.																										

Relinquished by: *[Signature]*

Relinquished Date: 10/11/11

Relinquished Time: 09:00

Received by: Kelly Kuban

Received Date: 10/11/11

Received Time: 10:30

Samples Shipped Via: Air Freight Federal Express Sampler Other: *SIC*

Distribution: White-Original Accompanies Shipping to Lab; Yellow - Field Copy; Pink - Lab Coordinator

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 23/19-1092 48RE 500-10/11/11 → Cow East
Project Name: Under East RE → Cow East
Sample Origin: State MN (use two letter postal state abbreviation)

COC No 37370

Project Manager: JME
Project OC Contact: AAN
Sampled by: ADN
Laboratory: Legend

1104845
H04847 LR
10/11/11

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	Number of Containers/Preservative					Date	Time						
						Water	Soil	Gravel							Other	Water	Soil	Gravel	Other			VOCs (tared MeOH) #1	GRX BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)
1. CAP-SS1	0.5	0.5	FT	10/10/2011	12:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	Analyze PCBs with preservative container	10/11/11	
2. CAP-SS2	11	11	FT		13:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2	Analyze PCBs with preservative container	10/11/11	
3. CAP-SS3	12	12	FT		13:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	Analyze PCBs with preservative container	10/11/11	
4. CAP-SS4	13	13	FT		13:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1			
5. CAP-SS5	14	14	FT		13:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1			
6.																											
7.																											
8.																											
9.																											
10.																											

Relinquished By: [Signature]

Relinquished Date: 10/11/11

Relinquished Time: 0600

Received by: Kelly Becken

Received Date: 10/11/11

Received Time: 10:30

Air Bill Number: [Blank]

Samples Shipped Via: Air Freight Fedex Express Other

Distribution: White-Original Accompanies Shipments to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104848
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/11/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "Bach Pham", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "Triet Le", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104848 Date Reported: 10/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
501A2-SS2_0.5-0.5	1104848-01	Soil	10/10/11 16:15	10/11/11 10:30
501A2-SS3_0.5-0.5	1104848-02	Soil	10/10/11 16:30	10/11/11 10:30
501A2-SS4_0.5-0.5	1104848-03	Soil	10/10/11 16:45	10/11/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 5.1

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104848 Date Reported: 10/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-SS2_0.5-0.5 (1104848-01) Soil Sampled: 10/10/11 16:15 Received: 10/11/11 10:30										
% Solids	95			%	1	B1J1209	10/12/11	10/12/11	% calculation	
501A2-SS3_0.5-0.5 (1104848-02) Soil Sampled: 10/10/11 16:30 Received: 10/11/11 10:30										
% Solids	98			%	1	B1J1209	10/12/11	10/12/11	% calculation	
501A2-SS4_0.5-0.5 (1104848-03) Soil Sampled: 10/10/11 16:45 Received: 10/11/11 10:30										
% Solids	96			%	1	B1J1209	10/12/11	10/12/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104848 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-SS2_0.5-0.5 (1104848-01) Soil Sampled: 10/10/11 16:15 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.079	0.71	0.079	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.063	0.71	0.063	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.71	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.71	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.71	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.069	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.052	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.064	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104848 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-SS2_0.5-0.5 (1104848-01) Soil Sampled: 10/10/11 16:15 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
Benzoic acid	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.057	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.10	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.054	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	0.093	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	92.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	83.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	78.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	80.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	94.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104848 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-SS3_0.5-0.5 (1104848-02) Soil Sampled: 10/10/11 16:30 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	0.068	0.34	0.037	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.30	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.26	0.34	0.043	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.32	0.34	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.16	0.34	0.044	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104848 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-SS3_0.5-0.5 (1104848-02) Soil Sampled: 10/10/11 16:30 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	0.14	0.34	0.049	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	J
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	0.038	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	0.28	0.34	0.045	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.49	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.16	0.34	0.041	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.30	0.34	0.037	mg/kg dry	1	"	"	"	"	J
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	0.44	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	89.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104848 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-SS4_0.5-0.5 (1104848-03) Soil Sampled: 10/10/11 16:45 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.065	0.69	0.065	mg/kg dry	2	B1J1401	10/14/11	10/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.069	0.69	0.069	mg/kg dry	2	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.075	0.69	0.075	mg/kg dry	2	"	"	"	"	
1,3-Dichlorobenzene	<0.065	0.69	0.065	mg/kg dry	2	"	"	"	"	
1,4-Dichlorobenzene	<0.060	0.69	0.060	mg/kg dry	2	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.16	1.4	0.16	mg/kg dry	2	"	"	"	"	
2,4,5-Trichlorophenol	<0.077	1.4	0.077	mg/kg dry	2	"	"	"	"	
2,4,6-Trichlorophenol	<0.17	1.4	0.17	mg/kg dry	2	"	"	"	"	
2,4-Dichlorophenol	<0.16	1.4	0.16	mg/kg dry	2	"	"	"	"	
2,4-Dimethylphenol	<0.17	1.4	0.17	mg/kg dry	2	"	"	"	"	
2,4-Dinitrophenol	<0.067	1.4	0.067	mg/kg dry	2	"	"	"	"	
2,4-Dinitrotoluene	<0.073	0.69	0.073	mg/kg dry	2	"	"	"	"	
2,6-Dichlorophenol	<0.14	1.4	0.14	mg/kg dry	2	"	"	"	"	
2,6-Dinitrotoluene	<0.081	0.69	0.081	mg/kg dry	2	"	"	"	"	
2-Chloronaphthalene	<0.071	0.69	0.071	mg/kg dry	2	"	"	"	"	
2-Chlorophenol	<0.12	1.4	0.12	mg/kg dry	2	"	"	"	"	
2-Methylnaphthalene	0.84	0.69	0.075	mg/kg dry	2	"	"	"	"	
2-Methylphenol	<0.071	1.4	0.071	mg/kg dry	2	"	"	"	"	
2-Nitroaniline	<0.079	0.69	0.079	mg/kg dry	2	"	"	"	"	
2-Nitrophenol	<0.18	1.4	0.18	mg/kg dry	2	"	"	"	"	
3&4-Methylphenol	<0.067	1.4	0.067	mg/kg dry	2	"	"	"	"	
3,3'-Dichlorobenzidine	<0.31	3.3	0.31	mg/kg dry	2	"	"	"	"	
3-Nitroaniline	<0.056	0.69	0.056	mg/kg dry	2	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.071	1.4	0.071	mg/kg dry	2	"	"	"	"	
4-Bromophenyl phenyl ether	<0.069	0.69	0.069	mg/kg dry	2	"	"	"	"	
4-Chloro-3-methylphenol	<0.14	1.4	0.14	mg/kg dry	2	"	"	"	"	
4-Chloroaniline	<0.056	1.4	0.056	mg/kg dry	2	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.075	0.69	0.075	mg/kg dry	2	"	"	"	"	
4-Nitroaniline	<0.071	0.69	0.071	mg/kg dry	2	"	"	"	"	
4-Nitrophenol	<0.19	1.4	0.19	mg/kg dry	2	"	"	"	"	
Acenaphthene	8.1	0.69	0.079	mg/kg dry	2	"	"	"	"	
Acenaphthylene	<0.085	0.69	0.085	mg/kg dry	2	"	"	"	"	
Aniline	<0.065	1.4	0.065	mg/kg dry	2	"	"	"	"	
Anthracene	18	0.69	0.075	mg/kg dry	2	"	"	"	"	
Benzidine	<0.40	5.2	0.40	mg/kg dry	2	"	"	"	"	
Benzo(a)anthracene	37	3.4	0.43	mg/kg dry	10	"	"	"	"	
Benzo(a)pyrene	28	3.4	0.44	mg/kg dry	10	"	"	"	"	
Benzo(b)fluoranthene	35	3.4	0.45	mg/kg dry	10	"	"	"	"	
Benzo(g,h,i)perylene	5.0	0.69	0.090	mg/kg dry	2	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104848 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-SS4_0.5-0.5 (1104848-03) Soil Sampled: 10/10/11 16:45 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	8.7	0.69	0.10	mg/kg dry	2	B1J1401	10/14/11	10/14/11	EPA 8270C	
Benzoic acid	<0.050	0.69	0.050	mg/kg dry	2	"	"	"	"	
Benzyl alcohol	<0.20	1.4	0.20	mg/kg dry	2	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.071	0.69	0.071	mg/kg dry	2	"	"	"	"	
Bis(2-chloroethyl)ether	<0.073	0.69	0.073	mg/kg dry	2	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.071	0.69	0.071	mg/kg dry	2	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.10	0.69	0.10	mg/kg dry	2	"	"	"	"	
Butyl benzyl phthalate	<0.088	0.69	0.088	mg/kg dry	2	"	"	"	"	
Carbazole	7.4	0.69	0.073	mg/kg dry	2	"	"	"	"	T-1
Chrysene	38	3.4	0.46	mg/kg dry	10	"	"	"	"	
Dibenz(a,h)anthracene	2.4	0.69	0.090	mg/kg dry	2	"	"	"	"	
Dibenzofuran	3.4	0.69	0.069	mg/kg dry	2	"	"	"	"	
Diethyl phthalate	<0.065	0.69	0.065	mg/kg dry	2	"	"	"	"	
Dimethyl phthalate	<0.062	0.69	0.062	mg/kg dry	2	"	"	"	"	
Di-n-butyl phthalate	<0.092	0.69	0.092	mg/kg dry	2	"	"	"	"	
Di-n-octyl phthalate	<0.10	0.69	0.10	mg/kg dry	2	"	"	"	"	
Fluoranthene	73	3.4	0.41	mg/kg dry	10	"	"	"	"	
Fluorene	8.2	0.69	0.073	mg/kg dry	2	"	"	"	"	
Hexachlorobenzene	<0.075	0.69	0.075	mg/kg dry	2	"	"	"	"	
Hexachlorobutadiene	<0.062	0.69	0.062	mg/kg dry	2	"	"	"	"	
Hexachlorocyclopentadiene	<0.050	0.69	0.050	mg/kg dry	2	"	"	"	"	
Hexachloroethane	<0.062	0.69	0.062	mg/kg dry	2	"	"	"	"	
Indeno (1,2,3-cd) pyrene	7.8	0.69	0.083	mg/kg dry	2	"	"	"	"	
Isophorone	<0.065	0.69	0.065	mg/kg dry	2	"	"	"	"	
Naphthalene	0.99	0.69	0.069	mg/kg dry	2	"	"	"	"	
Nitrobenzene	<0.069	0.69	0.069	mg/kg dry	2	"	"	"	"	
N-Nitrosodimethylamine	<0.046	0.69	0.046	mg/kg dry	2	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.069	0.69	0.069	mg/kg dry	2	"	"	"	"	
N-Nitrosodiphenylamine	<0.054	0.69	0.054	mg/kg dry	2	"	"	"	"	
Pentachlorophenol	<0.16	1.4	0.16	mg/kg dry	2	"	"	"	"	
Phenanthrene	61	3.4	0.38	mg/kg dry	10	"	"	"	"	
Phenol	<0.14	1.4	0.14	mg/kg dry	2	"	"	"	"	
Pyrene	61	3.4	0.43	mg/kg dry	10	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	74.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104848 Date Reported: 10/19/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J1209 - General Preparation												
Duplicate (B1J1209-DUP1)							Source: 1104828-02					Prepared & Analyzed: 10/12/11
% Solids	90.0			%		91.0			1.10	20		
Duplicate (B1J1209-DUP2)							Source: 1104859-01					Prepared & Analyzed: 10/12/11
% Solids	92.0			%		92.0			0.00	20		
Duplicate (B1J1209-DUP3)							Source: 1104859-02					Prepared & Analyzed: 10/12/11
% Solids	92.0			%		92.0			0.00	20		

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Blank (B1J1401-BLK1)

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Blank (B1J1401-BLK1)

Prepared & Analyzed: 10/14/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.37			mg/kg wet	6.67		65.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.19			mg/kg wet	6.67		62.8	53.9-97.9			
Surrogate: 2-Fluorophenol	3.90			mg/kg wet	6.67		58.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.17			mg/kg wet	6.67		62.6	48.9-100			
Surrogate: Phenol-d6	4.67			mg/kg wet	6.67		70.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.20			mg/kg wet	6.67		63.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104848 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

LCS (B1J1401-BS1)

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	4.41	0.33	0.031	mg/kg wet	6.67		66.1	59.1-87.7			
1,4-Dichlorobenzene	4.07	0.33	0.029	mg/kg wet	6.67		61.0	50.3-72.9			
2,4-Dinitrotoluene	4.82	0.33	0.035	mg/kg wet	6.67		72.2	59.8-82.2			
2-Chlorophenol	4.36	0.67	0.060	mg/kg wet	6.67		65.4	59.7-77.3			
4-Chloro-3-methylphenol	4.71	0.67	0.066	mg/kg wet	6.67		70.6	63.6-80.4			
4-Nitrophenol	5.18	0.67	0.093	mg/kg wet	6.67		77.8	57.3-84.9			
Anthracene	4.79	0.33	0.036	mg/kg wet	6.67		71.9	67.3-88			
Benzo(a)anthracene	4.96	0.33	0.041	mg/kg wet	6.67		74.3	66.5-90.5			
Benzo(a)pyrene	4.69	0.33	0.042	mg/kg wet	6.67		70.3	66.1-89.7			
Chrysene	5.05	0.33	0.044	mg/kg wet	6.67		75.7	65.5-90.5			
Fluoranthene	4.73	0.33	0.039	mg/kg wet	6.67		71.0	66.7-89.9			
Fluorene	4.77	0.33	0.035	mg/kg wet	6.67		71.5	66.2-85.6			
N-Nitrosodi-n-propylamine	4.57	0.33	0.033	mg/kg wet	6.67		68.5	59.4-78			
Pentachlorophenol	3.59	0.67	0.078	mg/kg wet	6.67		53.8	46.7-83.2			
Phenanthrene	4.84	0.33	0.036	mg/kg wet	6.67		72.6	67.5-87.9			
Phenol	4.41	0.67	0.069	mg/kg wet	6.67		66.2	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.38			mg/kg wet	6.67		65.7	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.16			mg/kg wet	6.67		62.4	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.05			mg/kg wet	6.67		60.7	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.27			mg/kg wet	6.67		64.1	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.51			mg/kg wet	6.67		67.7	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.30			mg/kg wet	6.67		64.5	51-99.6			

Matrix Spike (B1J1401-MS1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	5.13	0.37	0.035	mg/kg dry	7.50	<0.37	68.4	44.8-97.9			
1,4-Dichlorobenzene	4.62	0.37	0.033	mg/kg dry	7.50	<0.37	61.7	42.3-77.9			
2,4-Dinitrotoluene	5.64	0.37	0.039	mg/kg dry	7.50	<0.37	75.3	57.3-86.6			
2-Chlorophenol	5.05	0.75	0.067	mg/kg dry	7.50	<0.75	67.4	43.3-93.2			
4-Chloro-3-methylphenol	5.74	0.75	0.074	mg/kg dry	7.50	<0.75	76.6	47.1-97.6			
4-Nitrophenol	6.29	0.75	0.10	mg/kg dry	7.50	<0.75	83.9	49.3-96.2			
Anthracene	5.88	0.37	0.040	mg/kg dry	7.50	<0.37	78.4	67.5-93.1			
Benzo(a)anthracene	5.85	0.37	0.046	mg/kg dry	7.50	<0.37	78.0	59.8-95.7			
Benzo(a)pyrene	5.40	0.37	0.047	mg/kg dry	7.50	<0.37	72.0	59.8-92.7			
Chrysene	6.10	0.37	0.049	mg/kg dry	7.50	<0.37	81.4	62.5-94.6			
Fluoranthene	5.51	0.37	0.044	mg/kg dry	7.50	<0.37	73.5	61.3-92.8			
Fluorene	5.59	0.37	0.039	mg/kg dry	7.50	<0.37	74.5	62.8-92.6			
N-Nitrosodi-n-propylamine	5.37	0.37	0.037	mg/kg dry	7.50	<0.37	71.6	46.9-89.9			
Pentachlorophenol	5.86	0.75	0.088	mg/kg dry	7.50	<0.75	78.2	40.1-95.1			
Phenanthrene	5.93	0.37	0.040	mg/kg dry	7.50	<0.37	79.0	65.2-92.2			
Phenol	5.15	0.75	0.078	mg/kg dry	7.50	<0.75	68.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104848 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Matrix Spike (B1J1401-MS1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

Surrogate: 2,4,6-Tribromophenol	6.08			mg/kg dry	7.50		81.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.87			mg/kg dry	7.50		65.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.77			mg/kg dry	7.50		63.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.02			mg/kg dry	7.50		66.9	48.9-100			
Surrogate: Phenol-d6	4.98			mg/kg dry	7.50		66.5	50.4-99.6			
Surrogate: Terphenyl-d14	5.32			mg/kg dry	7.50		71.0	51-99.6			

Matrix Spike Dup (B1J1401-MSD1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	5.16	0.37	0.035	mg/kg dry	7.52	<0.37	68.6	44.8-97.9	0.573	19.6	
1,4-Dichlorobenzene	4.69	0.37	0.033	mg/kg dry	7.52	<0.37	62.3	42.3-77.9	1.35	22.4	
2,4-Dinitrotoluene	5.83	0.37	0.039	mg/kg dry	7.52	<0.37	77.6	57.3-86.6	3.34	19.5	
2-Chlorophenol	5.26	0.75	0.067	mg/kg dry	7.52	<0.75	69.9	43.3-93.2	4.02	23.7	
4-Chloro-3-methylphenol	5.82	0.75	0.074	mg/kg dry	7.52	<0.75	77.3	47.1-97.6	1.28	18.3	
4-Nitrophenol	6.67	0.75	0.10	mg/kg dry	7.52	<0.75	88.7	49.3-96.2	5.84	20.4	
Anthracene	6.02	0.37	0.040	mg/kg dry	7.52	<0.37	80.1	67.5-93.1	2.48	19.9	
Benzo(a)anthracene	6.03	0.37	0.046	mg/kg dry	7.52	<0.37	80.2	59.8-95.7	3.02	23.4	
Benzo(a)pyrene	5.56	0.37	0.047	mg/kg dry	7.52	<0.37	73.9	59.8-92.7	2.88	21.1	
Chrysene	6.32	0.37	0.049	mg/kg dry	7.52	<0.37	84.0	62.5-94.6	3.48	24.8	
Fluoranthene	5.69	0.37	0.044	mg/kg dry	7.52	<0.37	75.6	61.3-92.8	3.19	21.8	
Fluorene	5.77	0.37	0.039	mg/kg dry	7.52	<0.37	76.7	62.8-92.6	3.15	17.6	
N-Nitrosodi-n-propylamine	5.53	0.37	0.037	mg/kg dry	7.52	<0.37	73.5	46.9-89.9	2.99	18.9	
Pentachlorophenol	6.07	0.75	0.088	mg/kg dry	7.52	<0.75	80.7	40.1-95.1	3.52	19.7	
Phenanthrene	6.04	0.37	0.040	mg/kg dry	7.52	<0.37	80.3	65.2-92.2	1.90	20.5	
Phenol	5.20	0.75	0.078	mg/kg dry	7.52	<0.75	69.2	44.7-91	1.09	17.9	
Surrogate: 2,4,6-Tribromophenol	6.26			mg/kg dry	7.52		83.3	53-107			
Surrogate: 2-Fluorobiphenyl	5.10			mg/kg dry	7.52		67.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.85			mg/kg dry	7.52		64.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.15			mg/kg dry	7.52		68.5	48.9-100			
Surrogate: Phenol-d6	5.41			mg/kg dry	7.52		71.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.45			mg/kg dry	7.52		72.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104848 Date Reported: 10/19/11
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Notes and Definitions

T-1 MDH does not offer certification for this parameter.
J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

BARR

Project Number: 231A-10A2 488E-520
 Project Name: Umeo East RC - Site Wide
 Sample Origination State: MN (use two letter postal state abbreviation)
 CDC Number: NO 3737

CDC # 1 of 1

Project Manager: JME
 Project QC Contact: AAN
 Sampled by: AAN
 Laboratory: Legend

Analyze SVOCs, metals, nutrients

1104849

10/11/11

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			QC
						Water	Soil	Grab	
01-SP1A2-552	0.5	1.0	ft	10/10/2011	16:15	X	X	X	
02-SP1A2-553	1.0	1.5	ft	↓	16:30	X	X	X	
03-SP1A2-554	1.5	2.0	ft	↓	16:45	X	X	X	
4.									
5.									
6.									
7.									
8.									
9.									
10.									

Number of Containers/Preservative

Water	Soil	Total Number Of Containers
SVOCs (HCl) #1		
SVOCs (unpreserved) #2		
Dissolved Metals (HNO ₃)		
Total Metals (HNO ₃)		
General (unpreserved) #3		
Diesel Range Organics (HCl)		
Nutrients (H ₂ SO ₄) #4		
VOCs (tared MeOH) #1		
GRO, BTEX (tared MeOH) #1		
DRO (tared unpreserved)		
Metals (unpreserved)		
SVOCs (unpreserved) #2		
% Solids (plastic vial, unpres.)		

Received By: *[Signature]*
 Date: 10/11/11
 Time: 10:30

Received By: *[Signature]*
 Date: 10/11/11
 Time: 10:30

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Aluminum, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

5.10



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104850
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/11/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink that reads "T-LE".

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
207-DD-SS3_0.5-0.5	1104850-01	Soil	10/10/11 14:40	10/11/11 10:30
207-DD-SS2_0.5-0.5	1104850-02	Soil	10/10/11 14:55	10/11/11 10:30
207-DD-SS1_0.5-0.5	1104850-03	Soil	10/10/11 15:10	10/11/11 10:30
M-1	1104850-04	Soil	10/10/11 00:00	10/11/11 10:30
Trip Blank	1104850-05	Methanol	10/10/11 00:00	10/11/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 5.1

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-SS3_0.5-0.5 (1104850-01) Soil Sampled: 10/10/11 14:40 Received: 10/11/11 10:30										
Arsenic	2.9	0.54	0.059	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	63	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	12	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	6.5	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
207-DD-SS2_0.5-0.5 (1104850-02) Soil Sampled: 10/10/11 14:55 Received: 10/11/11 10:30										
Arsenic	3.2	0.52	0.057	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	58	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	13	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	6.0	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
207-DD-SS1_0.5-0.5 (1104850-03) Soil Sampled: 10/10/11 15:10 Received: 10/11/11 10:30										
Arsenic	2.9	0.52	0.057	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	48	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	12	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	7.5	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
M-1 (1104850-04) Soil Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
Arsenic	3.8	0.52	0.057	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	61	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	11	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	5.5	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.090	0.090	0.017	mg/kg dry	1	B1J1312	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-SS3_0.5-0.5 (1104850-01) Soil Sampled: 10/10/11 14:40 Received: 10/11/11 10:30										
% Solids	93			%	1	B1J1209	10/12/11	10/12/11	% calculation	
207-DD-SS2_0.5-0.5 (1104850-02) Soil Sampled: 10/10/11 14:55 Received: 10/11/11 10:30										
% Solids	96			%	1	B1J1209	10/12/11	10/12/11	% calculation	
207-DD-SS1_0.5-0.5 (1104850-03) Soil Sampled: 10/10/11 15:10 Received: 10/11/11 10:30										
% Solids	96			%	1	B1J1209	10/12/11	10/12/11	% calculation	
M-1 (1104850-04) Soil Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
% Solids	96			%	1	B1J1209	10/12/11	10/12/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-SS3_0.5-0.5 (1104850-01) Soil Sampled: 10/10/11 14:40 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.099	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.081	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.10	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.060	0.35	0.046	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-SS3_0.5-0.5 (1104850-01) Soil Sampled: 10/10/11 14:40 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.094	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.22	0.35	0.042	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.047	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.14	0.35	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	0.19	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	79.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	79.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-SS2_0.5-0.5 (1104850-02) Soil Sampled: 10/10/11 14:55 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-SS2_0.5-0.5 (1104850-02) Soil Sampled: 10/10/11 14:55 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.052	0.34	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	0.050	0.34	0.043	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	86.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-SS1_0.5-0.5 (1104850-03) Soil Sampled: 10/10/11 15:10 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.064	0.34	0.043	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.048	0.34	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.069	0.34	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-SS1_0.5-0.5 (1104850-03) Soil Sampled: 10/10/11 15:10 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.056	0.34	0.046	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.051	0.34	0.046	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.090	0.34	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.043	0.34	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	0.085	0.34	0.043	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	89.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	75.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1104850-04) Soil Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.055	0.34	0.043	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.053	0.34	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1104850-04) Soil Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.047	0.34	0.046	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.048	0.34	0.046	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.084	0.34	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.048	0.34	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	0.078	0.34	0.043	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	92.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	83.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	77.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	77.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	92.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-SS1_0.5-0.5 (1104850-03) Soil										W-03
Sampled: 10/10/11 15:10 Received: 10/11/11 10:30										
1,1,1,2-Tetrachloroethane	<0.082	0.35	0.082	mg/kg dry	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
1,1,1-Trichloroethane	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.095	0.35	0.095	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.085	0.70	0.085	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.038	0.70	0.038	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.096	0.70	0.096	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.12	2.8	0.12	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.019	0.35	0.019	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
Acetone	<0.26	2.8	0.26	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Benzene	<0.021	0.35	0.021	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bromoform	<0.038	0.70	0.038	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.15	0.70	0.15	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Chloroform	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.085	0.35	0.085	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
207-DD-SS1_0.5-0.5 (1104850-03) Soil										W-03
Sampled: 10/10/11 15:10 Received: 10/11/11 10:30										
cis-1,3-Dichloropropene	<0.031	0.35	0.031	mg/kg dry	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
Dibromochloromethane	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.14	0.70	0.14	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.053	0.35	0.053	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.053	0.70	0.053	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.015	0.35	0.015	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.096	1.4	0.096	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.065	0.70	0.065	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.11	0.70	0.11	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.022	0.35	0.022	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.081	1.4	0.081	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.076	0.70	0.076	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.019	0.35	0.019	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
Styrene	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.17	2.8	0.17	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.022	0.35	0.022	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.057	0.35	0.057	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.049	0.35	0.049	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.090	0.35	0.090	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	96.4			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	95.8			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	94.2			78.1-125 %		"	"	"	"	

Trip Blank (1104850-05) Methanol										
Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1104850-05) Methanol Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1104850-05) Methanol Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	<0.058	1.0	0.058	mg/kg wet	1	"	"	"	"	
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	T-1
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.2			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.8			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	92.8			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1203 - EPA 3050B

Blank (B1J1203-BLK1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1203-BS1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	39.8	0.50	0.055	mg/kg wet	39.9		99.6	80-120			
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120			
Cadmium	39.8	0.25	0.033	mg/kg wet	39.9		99.8	80-120			
Chromium	40.3	0.50	0.012	mg/kg wet	39.9		101	80-120			
Lead	41.3	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	39.9	1.0	0.095	mg/kg wet	39.9		99.9	80-120			
Silver	3.96	0.25	0.016	mg/kg wet	3.99		99.3	80-120			

LCS Dup (B1J1203-BSD1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	39.7	0.50	0.055	mg/kg wet	39.9		99.4	80-120	0.227	20	
Barium	42.0	1.0	0.060	mg/kg wet	39.9		105	80-120	0.498	20	
Cadmium	39.7	0.25	0.033	mg/kg wet	39.9		99.6	80-120	0.239	20	
Chromium	40.1	0.50	0.012	mg/kg wet	39.9		101	80-120	0.499	20	
Lead	41.3	1.0	0.14	mg/kg wet	39.9		103	80-120	0.144	20	
Selenium	39.9	1.0	0.095	mg/kg wet	39.9		100	80-120	0.0548	20	
Silver	4.05	0.25	0.016	mg/kg wet	3.99		101	80-120	2.21	20	

Matrix Spike (B1J1203-MS1)

Source: 1104845-01

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	38.5	0.51	0.056	mg/kg dry	39.7	2.32	91.3	75-125			
Barium	76.8	1.0	0.061	mg/kg dry	39.7	36.2	102	75-125			
Cadmium	37.1	0.26	0.034	mg/kg dry	39.7	<0.26	93.4	75-125			
Chromium	47.4	0.51	0.012	mg/kg dry	39.7	10.9	92.0	75-125			
Lead	40.6	1.0	0.14	mg/kg dry	39.7	3.49	93.5	75-125			
Selenium	36.4	1.0	0.097	mg/kg dry	39.7	<1.0	91.8	75-125			
Silver	3.62	0.26	0.016	mg/kg dry	3.97	<0.26	91.3	75-125			

Matrix Spike Dup (B1J1203-MSD1)

Source: 1104845-01

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	39.3	0.51	0.056	mg/kg dry	39.6	2.32	93.2	75-125	1.93	20	
Barium	79.1	1.0	0.061	mg/kg dry	39.6	36.2	108	75-125	2.88	20	
Cadmium	37.2	0.26	0.034	mg/kg dry	39.6	<0.26	93.7	75-125	0.265	20	
Chromium	47.7	0.51	0.012	mg/kg dry	39.6	10.9	93.0	75-125	0.747	20	
Lead	40.9	1.0	0.14	mg/kg dry	39.6	3.49	94.5	75-125	0.884	20	
Selenium	36.6	1.0	0.097	mg/kg dry	39.6	<1.0	92.4	75-125	0.536	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1203 - EPA 3050B											
Matrix Spike Dup (B1J1203-MSD1)											
			Source: 1104845-01			Prepared: 10/12/11		Analyzed: 10/13/11			
Silver	3.69	0.26	0.016	mg/kg dry	3.96	<0.26	93.2	75-125	1.97	20	
Batch B1J1312 - EPA 7471A											
Blank (B1J1312-BLK1)											
						Prepared: 10/13/11		Analyzed: 10/14/11			
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1312-BS1)											
						Prepared: 10/13/11		Analyzed: 10/14/11			
Mercury	0.215	0.10	0.019	mg/kg wet	0.200		108	80-120			
LCS Dup (B1J1312-BSD1)											
						Prepared: 10/13/11		Analyzed: 10/14/11			
Mercury	0.206	0.10	0.019	mg/kg wet	0.200		103	80-120	4.28	20	
Matrix Spike (B1J1312-MS1)											
			Source: 1104845-01			Prepared: 10/13/11		Analyzed: 10/14/11			
Mercury	0.189	0.090	0.017	mg/kg dry	0.180	<0.090	105	75-125			
Matrix Spike Dup (B1J1312-MSD1)											
			Source: 1104845-01			Prepared: 10/13/11		Analyzed: 10/14/11			
Mercury	0.219	0.10	0.019	mg/kg dry	0.200	<0.10	110	75-125	14.6	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J1209 - General Preparation												
Duplicate (B1J1209-DUP1)							Source: 1104828-02					Prepared & Analyzed: 10/12/11
% Solids	90.0			%		91.0			1.10	20		
Duplicate (B1J1209-DUP2)							Source: 1104859-01					Prepared & Analyzed: 10/12/11
% Solids	92.0			%		92.0			0.00	20		
Duplicate (B1J1209-DUP3)							Source: 1104859-02					Prepared & Analyzed: 10/12/11
% Solids	92.0			%		92.0			0.00	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Blank (B1J1401-BLK1)

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Blank (B1J1401-BLK1)

Prepared & Analyzed: 10/14/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.37			mg/kg wet	6.67		65.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.19			mg/kg wet	6.67		62.8	53.9-97.9			
Surrogate: 2-Fluorophenol	3.90			mg/kg wet	6.67		58.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.17			mg/kg wet	6.67		62.6	48.9-100			
Surrogate: Phenol-d6	4.67			mg/kg wet	6.67		70.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.20			mg/kg wet	6.67		63.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

LCS (B1J1401-BS1)

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	4.41	0.33	0.031	mg/kg wet	6.67		66.1	59.1-87.7			
1,4-Dichlorobenzene	4.07	0.33	0.029	mg/kg wet	6.67		61.0	50.3-72.9			
2,4-Dinitrotoluene	4.82	0.33	0.035	mg/kg wet	6.67		72.2	59.8-82.2			
2-Chlorophenol	4.36	0.67	0.060	mg/kg wet	6.67		65.4	59.7-77.3			
4-Chloro-3-methylphenol	4.71	0.67	0.066	mg/kg wet	6.67		70.6	63.6-80.4			
4-Nitrophenol	5.18	0.67	0.093	mg/kg wet	6.67		77.8	57.3-84.9			
Anthracene	4.79	0.33	0.036	mg/kg wet	6.67		71.9	67.3-88			
Benzo(a)anthracene	4.96	0.33	0.041	mg/kg wet	6.67		74.3	66.5-90.5			
Benzo(a)pyrene	4.69	0.33	0.042	mg/kg wet	6.67		70.3	66.1-89.7			
Chrysene	5.05	0.33	0.044	mg/kg wet	6.67		75.7	65.5-90.5			
Fluoranthene	4.73	0.33	0.039	mg/kg wet	6.67		71.0	66.7-89.9			
Fluorene	4.77	0.33	0.035	mg/kg wet	6.67		71.5	66.2-85.6			
N-Nitrosodi-n-propylamine	4.57	0.33	0.033	mg/kg wet	6.67		68.5	59.4-78			
Pentachlorophenol	3.59	0.67	0.078	mg/kg wet	6.67		53.8	46.7-83.2			
Phenanthrene	4.84	0.33	0.036	mg/kg wet	6.67		72.6	67.5-87.9			
Phenol	4.41	0.67	0.069	mg/kg wet	6.67		66.2	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.38			mg/kg wet	6.67		65.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.16			mg/kg wet	6.67		62.4	53.9-97.9			
Surrogate: 2-Fluorophenol	4.05			mg/kg wet	6.67		60.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.27			mg/kg wet	6.67		64.1	48.9-100			
Surrogate: Phenol-d6	4.51			mg/kg wet	6.67		67.7	50.4-99.6			
Surrogate: Terphenyl-d14	4.30			mg/kg wet	6.67		64.5	51-99.6			

Matrix Spike (B1J1401-MS1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	5.13	0.37	0.035	mg/kg dry	7.50	<0.37	68.4	44.8-97.9			
1,4-Dichlorobenzene	4.62	0.37	0.033	mg/kg dry	7.50	<0.37	61.7	42.3-77.9			
2,4-Dinitrotoluene	5.64	0.37	0.039	mg/kg dry	7.50	<0.37	75.3	57.3-86.6			
2-Chlorophenol	5.05	0.75	0.067	mg/kg dry	7.50	<0.75	67.4	43.3-93.2			
4-Chloro-3-methylphenol	5.74	0.75	0.074	mg/kg dry	7.50	<0.75	76.6	47.1-97.6			
4-Nitrophenol	6.29	0.75	0.10	mg/kg dry	7.50	<0.75	83.9	49.3-96.2			
Anthracene	5.88	0.37	0.040	mg/kg dry	7.50	<0.37	78.4	67.5-93.1			
Benzo(a)anthracene	5.85	0.37	0.046	mg/kg dry	7.50	<0.37	78.0	59.8-95.7			
Benzo(a)pyrene	5.40	0.37	0.047	mg/kg dry	7.50	<0.37	72.0	59.8-92.7			
Chrysene	6.10	0.37	0.049	mg/kg dry	7.50	<0.37	81.4	62.5-94.6			
Fluoranthene	5.51	0.37	0.044	mg/kg dry	7.50	<0.37	73.5	61.3-92.8			
Fluorene	5.59	0.37	0.039	mg/kg dry	7.50	<0.37	74.5	62.8-92.6			
N-Nitrosodi-n-propylamine	5.37	0.37	0.037	mg/kg dry	7.50	<0.37	71.6	46.9-89.9			
Pentachlorophenol	5.86	0.75	0.088	mg/kg dry	7.50	<0.75	78.2	40.1-95.1			
Phenanthrene	5.93	0.37	0.040	mg/kg dry	7.50	<0.37	79.0	65.2-92.2			
Phenol	5.15	0.75	0.078	mg/kg dry	7.50	<0.75	68.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Matrix Spike (B1J1401-MS1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

Surrogate: 2,4,6-Tribromophenol	6.08			mg/kg dry	7.50		81.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.87			mg/kg dry	7.50		65.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.77			mg/kg dry	7.50		63.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.02			mg/kg dry	7.50		66.9	48.9-100			
Surrogate: Phenol-d6	4.98			mg/kg dry	7.50		66.5	50.4-99.6			
Surrogate: Terphenyl-d14	5.32			mg/kg dry	7.50		71.0	51-99.6			

Matrix Spike Dup (B1J1401-MSD1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	5.16	0.37	0.035	mg/kg dry	7.52	<0.37	68.6	44.8-97.9	0.573	19.6	
1,4-Dichlorobenzene	4.69	0.37	0.033	mg/kg dry	7.52	<0.37	62.3	42.3-77.9	1.35	22.4	
2,4-Dinitrotoluene	5.83	0.37	0.039	mg/kg dry	7.52	<0.37	77.6	57.3-86.6	3.34	19.5	
2-Chlorophenol	5.26	0.75	0.067	mg/kg dry	7.52	<0.75	69.9	43.3-93.2	4.02	23.7	
4-Chloro-3-methylphenol	5.82	0.75	0.074	mg/kg dry	7.52	<0.75	77.3	47.1-97.6	1.28	18.3	
4-Nitrophenol	6.67	0.75	0.10	mg/kg dry	7.52	<0.75	88.7	49.3-96.2	5.84	20.4	
Anthracene	6.02	0.37	0.040	mg/kg dry	7.52	<0.37	80.1	67.5-93.1	2.48	19.9	
Benzo(a)anthracene	6.03	0.37	0.046	mg/kg dry	7.52	<0.37	80.2	59.8-95.7	3.02	23.4	
Benzo(a)pyrene	5.56	0.37	0.047	mg/kg dry	7.52	<0.37	73.9	59.8-92.7	2.88	21.1	
Chrysene	6.32	0.37	0.049	mg/kg dry	7.52	<0.37	84.0	62.5-94.6	3.48	24.8	
Fluoranthene	5.69	0.37	0.044	mg/kg dry	7.52	<0.37	75.6	61.3-92.8	3.19	21.8	
Fluorene	5.77	0.37	0.039	mg/kg dry	7.52	<0.37	76.7	62.8-92.6	3.15	17.6	
N-Nitrosodi-n-propylamine	5.53	0.37	0.037	mg/kg dry	7.52	<0.37	73.5	46.9-89.9	2.99	18.9	
Pentachlorophenol	6.07	0.75	0.088	mg/kg dry	7.52	<0.75	80.7	40.1-95.1	3.52	19.7	
Phenanthrene	6.04	0.37	0.040	mg/kg dry	7.52	<0.37	80.3	65.2-92.2	1.90	20.5	
Phenol	5.20	0.75	0.078	mg/kg dry	7.52	<0.75	69.2	44.7-91	1.09	17.9	
Surrogate: 2,4,6-Tribromophenol	6.26			mg/kg dry	7.52		83.3	53-107			
Surrogate: 2-Fluorobiphenyl	5.10			mg/kg dry	7.52		67.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.85			mg/kg dry	7.52		64.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.15			mg/kg dry	7.52		68.5	48.9-100			
Surrogate: Phenol-d6	5.41			mg/kg dry	7.52		71.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.45			mg/kg dry	7.52		72.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1207 - EPA 5035 Soil (Purge and Trap)

Blank (B1J1207-BLK1)

Prepared & Analyzed: 10/12/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1207 - EPA 5035 Soil (Purge and Trap)

Blank (B1J1207-BLK1)

Prepared & Analyzed: 10/12/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	45.7			ug/L	50.0		91.4	80-124			
Surrogate: Dibromofluoromethane	47.8			ug/L	50.0		95.7	77.1-123			
Surrogate: Toluene-d8	46.7			ug/L	50.0		93.4	78.1-125			

LCS (B1J1207-BS1)

Prepared & Analyzed: 10/12/11

1,1,2,2-Tetrachloroethane	47.0			ug/L	50.0		94.0	75-120			
1,1-Dichloroethane	44.6			ug/L	50.0		89.1	79.6-120			
1,1-Dichloroethene	42.2			ug/L	50.0		84.4	78.3-120			
1,3,5-Trimethylbenzene	47.1			ug/L	50.0		94.2	77-120			
1,4-Dichlorobenzene	48.3			ug/L	50.0		96.7	75-125			
2-Chlorotoluene	47.1			ug/L	50.0		94.2	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1207 - EPA 5035 Soil (Purge and Trap)

LCS (B1J1207-BS1)

Prepared & Analyzed: 10/12/11

Benzene	45.1			ug/L	50.0		90.3	80-120			
Bromoform	47.5			ug/L	50.0		94.9	80-120			
Chlorobenzene	47.6			ug/L	50.0		95.1	80-120			
Chloroform	44.7			ug/L	50.0		89.4	80-120			
Ethylbenzene	47.4			ug/L	50.0		94.8	80-120			
n-Butylbenzene	47.2			ug/L	50.0		94.4	75-125			
n-Propylbenzene	47.0			ug/L	50.0		94.0	75-120			
Toluene	45.7			ug/L	50.0		91.3	80-120			
Trichloroethene	46.6			ug/L	50.0		93.2	80-120			
Vinyl chloride	48.0			ug/L	50.0		96.0	75-130			
Surrogate: 4-Bromofluorobenzene	47.0			ug/L	50.0		94.0	80-124			
Surrogate: Dibromofluoromethane	46.3			ug/L	50.0		92.5	77.1-123			
Surrogate: Toluene-d8	46.0			ug/L	50.0		92.0	78.1-125			

Matrix Spike (B1J1207-MS1)

Source: 1104850-03

Prepared & Analyzed: 10/12/11

1,1,2,2-Tetrachloroethane	48.3			ug/L	50.0	<	96.6	75-125			
1,1-Dichloroethane	44.3			ug/L	50.0	<	88.7	78.7-123			
1,1-Dichloroethene	42.7			ug/L	50.0	<	85.5	75.8-121			
1,3,5-Trimethylbenzene	46.2			ug/L	50.0	<	92.4	75-120			
1,4-Dichlorobenzene	48.1			ug/L	50.0	<	96.2	75-125			
2-Chlorotoluene	46.6			ug/L	50.0	<	93.1	75-120			
Benzene	44.6			ug/L	50.0	<	89.3	80-120			
Bromoform	48.2			ug/L	50.0	<	96.4	80-120			
Chlorobenzene	47.3			ug/L	50.0	<	94.7	80-120			
Chloroform	43.8			ug/L	50.0	<	87.7	80-120			
Ethylbenzene	46.6			ug/L	50.0	<	93.1	80-120			
n-Butylbenzene	48.0			ug/L	50.0	<	96.1	73.8-125			
n-Propylbenzene	46.6			ug/L	50.0	<	93.3	75-120			
Toluene	45.4			ug/L	50.0	<	90.8	80-120			
Trichloroethene	45.7			ug/L	50.0	<	91.5	80-120			
Vinyl chloride	46.6			ug/L	50.0	<	93.2	74.8-130			
Surrogate: 4-Bromofluorobenzene	48.0			ug/L	50.0		96.0	80-124			
Surrogate: Dibromofluoromethane	47.7			ug/L	50.0		95.4	77.1-123			
Surrogate: Toluene-d8	47.1			ug/L	50.0		94.1	78.1-125			

Matrix Spike Dup (B1J1207-MSD1)

Source: 1104850-03

Prepared & Analyzed: 10/12/11

1,1,2,2-Tetrachloroethane	48.4			ug/L	50.0	<	96.8	75-125	0.196	20	
1,1-Dichloroethane	43.7			ug/L	50.0	<	87.4	78.7-123	1.48	20	
1,1-Dichloroethene	43.3			ug/L	50.0	<	86.6	75.8-121	1.31	20	
1,3,5-Trimethylbenzene	48.1			ug/L	50.0	<	96.2	75-120	4.05	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1207 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1J1207-MSD1)		Source: 1104850-03			Prepared & Analyzed: 10/12/11						
1,4-Dichlorobenzene	48.5			ug/L	50.0	<	96.9	75-125	0.774	20	
2-Chlorotoluene	47.2			ug/L	50.0	<	94.5	75-120	1.45	20	
Benzene	45.1			ug/L	50.0	<	90.3	80-120	1.07	20	
Bromoform	51.1			ug/L	50.0	<	102	80-120	5.88	20	
Chlorobenzene	49.5			ug/L	50.0	<	99.1	80-120	4.56	20	
Chloroform	43.4			ug/L	50.0	<	86.9	80-120	0.920	20	
Ethylbenzene	49.2			ug/L	50.0	<	98.3	80-120	5.43	20	
n-Butylbenzene	47.7			ug/L	50.0	<	95.4	73.8-125	0.679	20	
n-Propylbenzene	47.8			ug/L	50.0	<	95.6	75-120	2.44	20	
Toluene	45.7			ug/L	50.0	<	91.4	80-120	0.643	20	
Trichloroethene	46.7			ug/L	50.0	<	93.4	80-120	2.09	20	
Vinyl chloride	45.0			ug/L	50.0	<	90.1	74.8-130	3.42	20	
Surrogate: 4-Bromofluorobenzene	47.7			ug/L	50.0		95.3	80-124			
Surrogate: Dibromofluoromethane	47.2			ug/L	50.0		94.5	77.1-123			
Surrogate: Toluene-d8	46.7			ug/L	50.0		93.4	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104850 Date Reported: 10/19/11
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Notes and Definitions

- W-03 The initial sample weight was less than 8.0 grams.
- T-1 MDH does not offer certification for this parameter.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104851
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/11/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "Bach Pham", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "Triet Le", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG-SS5_0.5-0.5	1104851-01	Soil	10/10/11 08:50	10/11/11 10:30
BG-SS6_0.5-0.5	1104851-02	Soil	10/10/11 09:05	10/11/11 10:30
BG-SS7_0.5-0.5	1104851-03	Soil	10/10/11 09:15	10/11/11 10:30
BG-SS8_0.5-0.5	1104851-04	Soil	10/10/11 09:30	10/11/11 10:30
Trip Blank	1104851-05	Methanol	10/10/11 00:00	10/11/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 5.1

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS5_0.5-0.5 (1104851-01) Soil Sampled: 10/10/11 08:50 Received: 10/11/11 10:30										
Arsenic	5.8	0.56	0.062	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	120	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	18	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	17	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1313	10/13/11	10/17/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
BG-SS6_0.5-0.5 (1104851-02) Soil Sampled: 10/10/11 09:05 Received: 10/11/11 10:30										
Arsenic	5.8	0.54	0.059	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	98	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	17	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	110	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1313	10/13/11	10/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	0.70	0.27	0.017	mg/kg dry	1	"	"	"	"	
BG-SS7_0.5-0.5 (1104851-03) Soil Sampled: 10/10/11 09:15 Received: 10/11/11 10:30										
Arsenic	4.4	0.53	0.059	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	87	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	15	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	99	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1313	10/13/11	10/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
BG-SS8_0.5-0.5 (1104851-04) Soil Sampled: 10/10/11 09:30 Received: 10/11/11 10:30										
Arsenic	5.9	0.55	0.060	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	85	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	19	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	41	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1313	10/13/11	10/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS5_0.5-0.5 (1104851-01) Soil Sampled: 10/10/11 08:50 Received: 10/11/11 10:30										
% Solids	89			%	1	B1J1314	10/13/11	10/13/11	% calculation	
BG-SS6_0.5-0.5 (1104851-02) Soil Sampled: 10/10/11 09:05 Received: 10/11/11 10:30										
% Solids	93			%	1	B1J1314	10/13/11	10/13/11	% calculation	
BG-SS7_0.5-0.5 (1104851-03) Soil Sampled: 10/10/11 09:15 Received: 10/11/11 10:30										
% Solids	94			%	1	B1J1314	10/13/11	10/13/11	% calculation	
BG-SS8_0.5-0.5 (1104851-04) Soil Sampled: 10/10/11 09:30 Received: 10/11/11 10:30										
% Solids	91			%	1	B1J1314	10/13/11	10/13/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS5_0.5-0.5 (1104851-01) Soil Sampled: 10/10/11 08:50 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS5_0.5-0.5 (1104851-01) Soil Sampled: 10/10/11 08:50 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	91.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	82.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS7_0.5-0.5 (1104851-03) Soil Sampled: 10/10/11 09:15 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.050	0.35	0.046	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS7_0.5-0.5 (1104851-03) Soil Sampled: 10/10/11 09:15 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	85.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	80.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS5_0.5-0.5 (1104851-01) Soil										W-03
Sampled: 10/10/11 08:50 Received: 10/11/11 10:30										
1,1,1,2-Tetrachloroethane	<0.094	0.40	0.094	mg/kg dry	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
1,1,1-Trichloroethane	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.11	0.40	0.11	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.034	0.40	0.034	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.097	0.80	0.097	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.043	0.80	0.043	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.096	0.80	0.096	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.14	3.2	0.14	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.022	0.40	0.022	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.034	0.40	0.034	mg/kg dry	1	"	"	"	"	
Acetone	<0.30	3.2	0.30	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Benzene	<0.024	0.40	0.024	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bromoform	<0.043	0.80	0.043	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.18	0.80	0.18	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.030	0.40	0.030	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Chloroform	<0.034	0.40	0.034	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.097	0.40	0.097	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-SS5_0.5-0.5 (1104851-01) Soil										W-03
Sampled: 10/10/11 08:50 Received: 10/11/11 10:30										
cis-1,3-Dichloropropene	<0.035	0.40	0.035	mg/kg dry	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
Dibromochloromethane	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.16	0.80	0.16	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.061	0.40	0.061	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.061	0.80	0.061	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.018	0.40	0.018	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.11	1.6	0.11	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.030	0.40	0.030	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.075	0.80	0.075	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.13	0.80	0.13	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.026	0.40	0.026	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.093	1.6	0.093	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.088	0.80	0.088	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.034	0.40	0.034	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.022	0.40	0.022	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
Styrene	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.045	0.40	0.045	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.19	3.2	0.19	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.026	0.40	0.026	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.065	0.40	0.065	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.056	0.40	0.056	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.10	0.40	0.10	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	95.2			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	96.5			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	93.3			78.1-125 %		"	"	"	"	

Trip Blank (1104851-05) Methanol										
Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1104851-05) Methanol Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1104851-05) Methanol Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	<0.058	1.0	0.058	mg/kg wet	1	"	"	"	"	
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	T-1
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.8			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.2			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	92.5			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1204 - EPA 3050B

Blank (B1J1204-BLK1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1204-BS1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	40.4	0.50	0.055	mg/kg wet	39.9		101	80-120			
Barium	42.2	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	40.3	0.25	0.033	mg/kg wet	39.9		101	80-120			
Chromium	40.9	0.50	0.012	mg/kg wet	39.9		102	80-120			
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	40.4	1.0	0.095	mg/kg wet	39.9		101	80-120			
Silver	4.07	0.25	0.016	mg/kg wet	3.99		102	80-120			

LCS Dup (B1J1204-BSD1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	40.0	0.50	0.055	mg/kg wet	39.9		100	80-120	0.851	20	
Barium	42.4	1.0	0.060	mg/kg wet	39.9		106	80-120	0.444	20	
Cadmium	40.3	0.25	0.033	mg/kg wet	39.9		101	80-120	0.0236	20	
Chromium	40.8	0.50	0.012	mg/kg wet	39.9		102	80-120	0.258	20	
Lead	41.8	1.0	0.14	mg/kg wet	39.9		105	80-120	0.251	20	
Selenium	40.5	1.0	0.095	mg/kg wet	39.9		102	80-120	0.387	20	
Silver	4.09	0.25	0.016	mg/kg wet	3.99		103	80-120	0.605	20	

Matrix Spike (B1J1204-MS1)

Source: 1104855-01

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	43.4	0.54	0.060	mg/kg dry	42.6	7.78	83.5	75-125			
Barium	174	1.1	0.065	mg/kg dry	42.6	131	100	75-125			
Cadmium	37.7	0.27	0.036	mg/kg dry	42.6	<0.27	88.1	75-125			
Chromium	59.3	0.54	0.013	mg/kg dry	42.6	22.8	85.7	75-125			
Lead	49.9	1.1	0.15	mg/kg dry	42.6	12.8	86.9	75-125			
Selenium	34.9	1.1	0.10	mg/kg dry	42.6	<1.1	81.9	75-125			
Silver	3.64	0.27	0.017	mg/kg dry	4.26	<0.27	85.5	75-125			

Matrix Spike Dup (B1J1204-MSD1)

Source: 1104855-01

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	43.9	0.54	0.060	mg/kg dry	42.3	7.78	85.3	75-125	1.11	20	
Barium	168	1.1	0.065	mg/kg dry	42.3	131	85.7	75-125	3.78	20	
Cadmium	37.8	0.27	0.036	mg/kg dry	42.3	<0.27	89.0	75-125	0.313	20	
Chromium	57.7	0.54	0.013	mg/kg dry	42.3	22.8	82.4	75-125	2.82	20	
Lead	49.2	1.1	0.15	mg/kg dry	42.3	12.8	85.9	75-125	1.35	20	
Selenium	35.6	1.1	0.10	mg/kg dry	42.3	<1.1	84.1	75-125	1.98	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1204 - EPA 3050B											
Matrix Spike Dup (B1J1204-MSD1)		Source: 1104855-01		Prepared: 10/12/11		Analyzed: 10/13/11					
Silver	3.65	0.27	0.017	mg/kg dry	4.23	<0.27	86.4	75-125	0.337	20	
Batch B1J1313 - EPA 7471A											
Blank (B1J1313-BLK1)				Prepared: 10/13/11		Analyzed: 10/17/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1313-BS1)				Prepared: 10/13/11		Analyzed: 10/17/11					
Mercury	0.205	0.10	0.019	mg/kg wet	0.200		102	80-120			
LCS Dup (B1J1313-BSD1)				Prepared: 10/13/11		Analyzed: 10/17/11					
Mercury	0.222	0.10	0.019	mg/kg wet	0.200		111	80-120	7.96	20	
Matrix Spike (B1J1313-MS1)		Source: 1104851-01		Prepared: 10/13/11		Analyzed: 10/17/11					
Mercury	0.244	0.11	0.021	mg/kg dry	0.216	<0.11	96.4	75-125			
Matrix Spike Dup (B1J1313-MSD1)		Source: 1104851-01		Prepared: 10/13/11		Analyzed: 10/17/11					
Mercury	0.272	0.11	0.021	mg/kg dry	0.229	<0.11	103	75-125	10.7	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1314 - General Preparation											
Duplicate (B1J1314-DUP1)											
% Solids	81.0			%		80.0			1.24	20	
Duplicate (B1J1314-DUP2)											
% Solids	85.0			%		85.0			0.00	20	
Duplicate (B1J1314-DUP3)											
% Solids	89.0			%		88.0			1.13	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Blank (B1J1401-BLK1)

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Blank (B1J1401-BLK1)

Prepared & Analyzed: 10/14/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.37			mg/kg wet	6.67		65.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.19			mg/kg wet	6.67		62.8	53.9-97.9			
Surrogate: 2-Fluorophenol	3.90			mg/kg wet	6.67		58.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.17			mg/kg wet	6.67		62.6	48.9-100			
Surrogate: Phenol-d6	4.67			mg/kg wet	6.67		70.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.20			mg/kg wet	6.67		63.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

LCS (B1J1401-BS1)

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	4.41	0.33	0.031	mg/kg wet	6.67		66.1	59.1-87.7			
1,4-Dichlorobenzene	4.07	0.33	0.029	mg/kg wet	6.67		61.0	50.3-72.9			
2,4-Dinitrotoluene	4.82	0.33	0.035	mg/kg wet	6.67		72.2	59.8-82.2			
2-Chlorophenol	4.36	0.67	0.060	mg/kg wet	6.67		65.4	59.7-77.3			
4-Chloro-3-methylphenol	4.71	0.67	0.066	mg/kg wet	6.67		70.6	63.6-80.4			
4-Nitrophenol	5.18	0.67	0.093	mg/kg wet	6.67		77.8	57.3-84.9			
Anthracene	4.79	0.33	0.036	mg/kg wet	6.67		71.9	67.3-88			
Benzo(a)anthracene	4.96	0.33	0.041	mg/kg wet	6.67		74.3	66.5-90.5			
Benzo(a)pyrene	4.69	0.33	0.042	mg/kg wet	6.67		70.3	66.1-89.7			
Chrysene	5.05	0.33	0.044	mg/kg wet	6.67		75.7	65.5-90.5			
Fluoranthene	4.73	0.33	0.039	mg/kg wet	6.67		71.0	66.7-89.9			
Fluorene	4.77	0.33	0.035	mg/kg wet	6.67		71.5	66.2-85.6			
N-Nitrosodi-n-propylamine	4.57	0.33	0.033	mg/kg wet	6.67		68.5	59.4-78			
Pentachlorophenol	3.59	0.67	0.078	mg/kg wet	6.67		53.8	46.7-83.2			
Phenanthrene	4.84	0.33	0.036	mg/kg wet	6.67		72.6	67.5-87.9			
Phenol	4.41	0.67	0.069	mg/kg wet	6.67		66.2	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.38			mg/kg wet	6.67		65.7	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.16			mg/kg wet	6.67		62.4	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.05			mg/kg wet	6.67		60.7	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.27			mg/kg wet	6.67		64.1	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.51			mg/kg wet	6.67		67.7	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.30			mg/kg wet	6.67		64.5	51-99.6			

Matrix Spike (B1J1401-MS1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	5.13	0.37	0.035	mg/kg dry	7.50	<0.37	68.4	44.8-97.9			
1,4-Dichlorobenzene	4.62	0.37	0.033	mg/kg dry	7.50	<0.37	61.7	42.3-77.9			
2,4-Dinitrotoluene	5.64	0.37	0.039	mg/kg dry	7.50	<0.37	75.3	57.3-86.6			
2-Chlorophenol	5.05	0.75	0.067	mg/kg dry	7.50	<0.75	67.4	43.3-93.2			
4-Chloro-3-methylphenol	5.74	0.75	0.074	mg/kg dry	7.50	<0.75	76.6	47.1-97.6			
4-Nitrophenol	6.29	0.75	0.10	mg/kg dry	7.50	<0.75	83.9	49.3-96.2			
Anthracene	5.88	0.37	0.040	mg/kg dry	7.50	<0.37	78.4	67.5-93.1			
Benzo(a)anthracene	5.85	0.37	0.046	mg/kg dry	7.50	<0.37	78.0	59.8-95.7			
Benzo(a)pyrene	5.40	0.37	0.047	mg/kg dry	7.50	<0.37	72.0	59.8-92.7			
Chrysene	6.10	0.37	0.049	mg/kg dry	7.50	<0.37	81.4	62.5-94.6			
Fluoranthene	5.51	0.37	0.044	mg/kg dry	7.50	<0.37	73.5	61.3-92.8			
Fluorene	5.59	0.37	0.039	mg/kg dry	7.50	<0.37	74.5	62.8-92.6			
N-Nitrosodi-n-propylamine	5.37	0.37	0.037	mg/kg dry	7.50	<0.37	71.6	46.9-89.9			
Pentachlorophenol	5.86	0.75	0.088	mg/kg dry	7.50	<0.75	78.2	40.1-95.1			
Phenanthrene	5.93	0.37	0.040	mg/kg dry	7.50	<0.37	79.0	65.2-92.2			
Phenol	5.15	0.75	0.078	mg/kg dry	7.50	<0.75	68.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Matrix Spike (B1J1401-MS1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

Surrogate: 2,4,6-Tribromophenol	6.08			mg/kg dry	7.50		81.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.87			mg/kg dry	7.50		65.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.77			mg/kg dry	7.50		63.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.02			mg/kg dry	7.50		66.9	48.9-100			
Surrogate: Phenol-d6	4.98			mg/kg dry	7.50		66.5	50.4-99.6			
Surrogate: Terphenyl-d14	5.32			mg/kg dry	7.50		71.0	51-99.6			

Matrix Spike Dup (B1J1401-MSD1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	5.16	0.37	0.035	mg/kg dry	7.52	<0.37	68.6	44.8-97.9	0.573	19.6	
1,4-Dichlorobenzene	4.69	0.37	0.033	mg/kg dry	7.52	<0.37	62.3	42.3-77.9	1.35	22.4	
2,4-Dinitrotoluene	5.83	0.37	0.039	mg/kg dry	7.52	<0.37	77.6	57.3-86.6	3.34	19.5	
2-Chlorophenol	5.26	0.75	0.067	mg/kg dry	7.52	<0.75	69.9	43.3-93.2	4.02	23.7	
4-Chloro-3-methylphenol	5.82	0.75	0.074	mg/kg dry	7.52	<0.75	77.3	47.1-97.6	1.28	18.3	
4-Nitrophenol	6.67	0.75	0.10	mg/kg dry	7.52	<0.75	88.7	49.3-96.2	5.84	20.4	
Anthracene	6.02	0.37	0.040	mg/kg dry	7.52	<0.37	80.1	67.5-93.1	2.48	19.9	
Benzo(a)anthracene	6.03	0.37	0.046	mg/kg dry	7.52	<0.37	80.2	59.8-95.7	3.02	23.4	
Benzo(a)pyrene	5.56	0.37	0.047	mg/kg dry	7.52	<0.37	73.9	59.8-92.7	2.88	21.1	
Chrysene	6.32	0.37	0.049	mg/kg dry	7.52	<0.37	84.0	62.5-94.6	3.48	24.8	
Fluoranthene	5.69	0.37	0.044	mg/kg dry	7.52	<0.37	75.6	61.3-92.8	3.19	21.8	
Fluorene	5.77	0.37	0.039	mg/kg dry	7.52	<0.37	76.7	62.8-92.6	3.15	17.6	
N-Nitrosodi-n-propylamine	5.53	0.37	0.037	mg/kg dry	7.52	<0.37	73.5	46.9-89.9	2.99	18.9	
Pentachlorophenol	6.07	0.75	0.088	mg/kg dry	7.52	<0.75	80.7	40.1-95.1	3.52	19.7	
Phenanthrene	6.04	0.37	0.040	mg/kg dry	7.52	<0.37	80.3	65.2-92.2	1.90	20.5	
Phenol	5.20	0.75	0.078	mg/kg dry	7.52	<0.75	69.2	44.7-91	1.09	17.9	
Surrogate: 2,4,6-Tribromophenol	6.26			mg/kg dry	7.52		83.3	53-107			
Surrogate: 2-Fluorobiphenyl	5.10			mg/kg dry	7.52		67.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.85			mg/kg dry	7.52		64.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.15			mg/kg dry	7.52		68.5	48.9-100			
Surrogate: Phenol-d6	5.41			mg/kg dry	7.52		71.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.45			mg/kg dry	7.52		72.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1207 - EPA 5035 Soil (Purge and Trap)

Blank (B1J1207-BLK1)

Prepared & Analyzed: 10/12/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1207 - EPA 5035 Soil (Purge and Trap)

Blank (B1J1207-BLK1)

Prepared & Analyzed: 10/12/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	45.7			ug/L	50.0		91.4	80-124			
Surrogate: Dibromofluoromethane	47.8			ug/L	50.0		95.7	77.1-123			
Surrogate: Toluene-d8	46.7			ug/L	50.0		93.4	78.1-125			

LCS (B1J1207-BS1)

Prepared & Analyzed: 10/12/11

1,1,2,2-Tetrachloroethane	47.0			ug/L	50.0		94.0	75-120			
1,1-Dichloroethane	44.6			ug/L	50.0		89.1	79.6-120			
1,1-Dichloroethene	42.2			ug/L	50.0		84.4	78.3-120			
1,3,5-Trimethylbenzene	47.1			ug/L	50.0		94.2	77-120			
1,4-Dichlorobenzene	48.3			ug/L	50.0		96.7	75-125			
2-Chlorotoluene	47.1			ug/L	50.0		94.2	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1207 - EPA 5035 Soil (Purge and Trap)

LCS (B1J1207-BS1)

Prepared & Analyzed: 10/12/11

Benzene	45.1			ug/L	50.0		90.3	80-120			
Bromoform	47.5			ug/L	50.0		94.9	80-120			
Chlorobenzene	47.6			ug/L	50.0		95.1	80-120			
Chloroform	44.7			ug/L	50.0		89.4	80-120			
Ethylbenzene	47.4			ug/L	50.0		94.8	80-120			
n-Butylbenzene	47.2			ug/L	50.0		94.4	75-125			
n-Propylbenzene	47.0			ug/L	50.0		94.0	75-120			
Toluene	45.7			ug/L	50.0		91.3	80-120			
Trichloroethene	46.6			ug/L	50.0		93.2	80-120			
Vinyl chloride	48.0			ug/L	50.0		96.0	75-130			
Surrogate: 4-Bromofluorobenzene	47.0			ug/L	50.0		94.0	80-124			
Surrogate: Dibromofluoromethane	46.3			ug/L	50.0		92.5	77.1-123			
Surrogate: Toluene-d8	46.0			ug/L	50.0		92.0	78.1-125			

Matrix Spike (B1J1207-MS1)

Source: 1104850-03

Prepared & Analyzed: 10/12/11

1,1,2,2-Tetrachloroethane	48.3			ug/L	50.0	<	96.6	75-125			
1,1-Dichloroethane	44.3			ug/L	50.0	<	88.7	78.7-123			
1,1-Dichloroethene	42.7			ug/L	50.0	<	85.5	75.8-121			
1,3,5-Trimethylbenzene	46.2			ug/L	50.0	<	92.4	75-120			
1,4-Dichlorobenzene	48.1			ug/L	50.0	<	96.2	75-125			
2-Chlorotoluene	46.6			ug/L	50.0	<	93.1	75-120			
Benzene	44.6			ug/L	50.0	<	89.3	80-120			
Bromoform	48.2			ug/L	50.0	<	96.4	80-120			
Chlorobenzene	47.3			ug/L	50.0	<	94.7	80-120			
Chloroform	43.8			ug/L	50.0	<	87.7	80-120			
Ethylbenzene	46.6			ug/L	50.0	<	93.1	80-120			
n-Butylbenzene	48.0			ug/L	50.0	<	96.1	73.8-125			
n-Propylbenzene	46.6			ug/L	50.0	<	93.3	75-120			
Toluene	45.4			ug/L	50.0	<	90.8	80-120			
Trichloroethene	45.7			ug/L	50.0	<	91.5	80-120			
Vinyl chloride	46.6			ug/L	50.0	<	93.2	74.8-130			
Surrogate: 4-Bromofluorobenzene	48.0			ug/L	50.0		96.0	80-124			
Surrogate: Dibromofluoromethane	47.7			ug/L	50.0		95.4	77.1-123			
Surrogate: Toluene-d8	47.1			ug/L	50.0		94.1	78.1-125			

Matrix Spike Dup (B1J1207-MSD1)

Source: 1104850-03

Prepared & Analyzed: 10/12/11

1,1,2,2-Tetrachloroethane	48.4			ug/L	50.0	<	96.8	75-125	0.196	20	
1,1-Dichloroethane	43.7			ug/L	50.0	<	87.4	78.7-123	1.48	20	
1,1-Dichloroethene	43.3			ug/L	50.0	<	86.6	75.8-121	1.31	20	
1,3,5-Trimethylbenzene	48.1			ug/L	50.0	<	96.2	75-120	4.05	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1207 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1J1207-MSD1)	Source: 1104850-03			Prepared & Analyzed: 10/12/11							
1,4-Dichlorobenzene	48.5			ug/L	50.0	<	96.9	75-125	0.774	20	
2-Chlorotoluene	47.2			ug/L	50.0	<	94.5	75-120	1.45	20	
Benzene	45.1			ug/L	50.0	<	90.3	80-120	1.07	20	
Bromoform	51.1			ug/L	50.0	<	102	80-120	5.88	20	
Chlorobenzene	49.5			ug/L	50.0	<	99.1	80-120	4.56	20	
Chloroform	43.4			ug/L	50.0	<	86.9	80-120	0.920	20	
Ethylbenzene	49.2			ug/L	50.0	<	98.3	80-120	5.43	20	
n-Butylbenzene	47.7			ug/L	50.0	<	95.4	73.8-125	0.679	20	
n-Propylbenzene	47.8			ug/L	50.0	<	95.6	75-120	2.44	20	
Toluene	45.7			ug/L	50.0	<	91.4	80-120	0.643	20	
Trichloroethene	46.7			ug/L	50.0	<	93.4	80-120	2.09	20	
Vinyl chloride	45.0			ug/L	50.0	<	90.1	74.8-130	3.42	20	
Surrogate: 4-Bromofluorobenzene	47.7			ug/L	50.0		95.3	80-124			
Surrogate: Dibromofluoromethane	47.2			ug/L	50.0		94.5	77.1-123			
Surrogate: Toluene-d8	46.7			ug/L	50.0		93.4	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104851 Date Reported: 10/19/11
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Notes and Definitions

- W-03 The initial sample weight was less than 8.0 grams.
- T-1 MDH does not offer certification for this parameter.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 23119-1092 48RE 570
Project Name: Umeo East RI → Navy/Burning Grounds
Sample Origination State: MN (use two letter postal state abbreviation)

CDC Number: NO 37378

1104851
10/11/11

CDC 1 of 1
Project Manager: JME
Project OC Contact: AAN
Sampled by: ADN
Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit	Collection Date	Collection Time	Matrix			Number of Containers/Preservative										Date	Time					
						Water	Soil	Grab	VOCs (HCl) #1	SVOCs (unpreserved) #2	Disolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	VOCs (fired MeOH) #1	GR0, BTEX (fired MeOH) #1	DRO (fired unpreserved)			Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	
1. B6-555	0.5	0.5	FT	10/10/2011	8:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3	Analyze VOCs, PCBs, Metals, Slates, Moist Content
2. B6-556	↓	↓	↓	↓	9:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	Analyze PCBs, Metals, Slates, Moist Content
3. B6-557	↓	↓	↓	↓	9:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2	Analyze PCBs, Metals, Slates, Moist Content
4. B6-558	↓	↓	↓	↓	9:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	Analyze PCBs, Metals, Slates, Moist Content
5. TB-1	---	---	---	---	---	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	Trap Blank analyze VOC

Relinquished by: [Signature]
Relinquished Date: 10/11/11
Relinquished Time: 0600

Received by: [Signature]
Received Date: 10/11/11
Received Time: 1030

Air Bill Number: [Blank]

Samples Shipped VIA: Air Freight Federal Express Sampler Other: [Blank]

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GR0, TPH, B260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, B270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phosphorus, Ammonia Nitrogen, TKN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104852
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/11/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "Bach Pham", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "Triet Le", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
911A-TT1_0.5-0.5	1104852-01	Soil	10/10/11 16:00	10/11/11 10:30
906A-TT1_0.5-0.5	1104852-02	Soil	10/10/11 16:30	10/11/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 1.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Recoveries for the 8270 matrix spike compounds anthracene, benzo(a)pyrene, fluoranthene, fluorene, and phenanthrene were below laboratory limits in the batch B1J1707 MS. The MS/MSD %RPDs were outside laboratory limits for several compounds. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
911A-TT1_0.5-0.5 (1104852-01) Soil Sampled: 10/10/11 16:00 Received: 10/11/11 10:30										
Arsenic	4.4	0.50	0.055	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	85	1.0	0.060	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	14	0.50	0.012	mg/kg dry	1	"	"	"	"	
Lead	15	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1313	10/13/11	10/18/11	EPA 7471A	
Selenium	<1.0	1.0	0.095	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
906A-TT1_0.5-0.5 (1104852-02) Soil Sampled: 10/10/11 16:30 Received: 10/11/11 10:30										
Arsenic	4.6	0.54	0.059	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Barium	99	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	16	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	8.4	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1313	10/13/11	10/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1203	10/12/11	10/13/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
911A-TT1_0.5-0.5 (1104852-01) Soil Sampled: 10/10/11 16:00 Received: 10/11/11 10:30										
% Solids	94			%	1	B1J1209	10/12/11	10/12/11	% calculation	
906A-TT1_0.5-0.5 (1104852-02) Soil Sampled: 10/10/11 16:30 Received: 10/11/11 10:30										
% Solids	93			%	1	B1J1209	10/12/11	10/12/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
911A-TT1_0.5-0.5 (1104852-01RE1) Soil Sampled: 10/10/11 16:00 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1707	10/14/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
911A-TT1_0.5-0.5 (1104852-01RE1) Soil Sampled: 10/10/11 16:00 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J1707	10/14/11	10/17/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	75.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	61.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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906A-TT1_0.5-0.5 (1104852-02) Soil **Sampled: 10/10/11 16:30** **Received: 10/11/11 10:30**

1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
906A-TT1_0.5-0.5 (1104852-02) Soil Sampled: 10/10/11 16:30 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	89.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	74.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	90.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1203 - EPA 3050B

Blank (B1J1203-BLK1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1203-BS1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	39.8	0.50	0.055	mg/kg wet	39.9		99.6	80-120			
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120			
Cadmium	39.8	0.25	0.033	mg/kg wet	39.9		99.8	80-120			
Chromium	40.3	0.50	0.012	mg/kg wet	39.9		101	80-120			
Lead	41.3	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	39.9	1.0	0.095	mg/kg wet	39.9		99.9	80-120			
Silver	3.96	0.25	0.016	mg/kg wet	3.99		99.3	80-120			

LCS Dup (B1J1203-BSD1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	39.7	0.50	0.055	mg/kg wet	39.9		99.4	80-120	0.227	20	
Barium	42.0	1.0	0.060	mg/kg wet	39.9		105	80-120	0.498	20	
Cadmium	39.7	0.25	0.033	mg/kg wet	39.9		99.6	80-120	0.239	20	
Chromium	40.1	0.50	0.012	mg/kg wet	39.9		101	80-120	0.499	20	
Lead	41.3	1.0	0.14	mg/kg wet	39.9		103	80-120	0.144	20	
Selenium	39.9	1.0	0.095	mg/kg wet	39.9		100	80-120	0.0548	20	
Silver	4.05	0.25	0.016	mg/kg wet	3.99		101	80-120	2.21	20	

Matrix Spike (B1J1203-MS1)

Source: 1104845-01

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	38.5	0.51	0.056	mg/kg dry	39.7	2.32	91.3	75-125			
Barium	76.8	1.0	0.061	mg/kg dry	39.7	36.2	102	75-125			
Cadmium	37.1	0.26	0.034	mg/kg dry	39.7	<0.26	93.4	75-125			
Chromium	47.4	0.51	0.012	mg/kg dry	39.7	10.9	92.0	75-125			
Lead	40.6	1.0	0.14	mg/kg dry	39.7	3.49	93.5	75-125			
Selenium	36.4	1.0	0.097	mg/kg dry	39.7	<1.0	91.8	75-125			
Silver	3.62	0.26	0.016	mg/kg dry	3.97	<0.26	91.3	75-125			

Matrix Spike Dup (B1J1203-MSD1)

Source: 1104845-01

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	39.3	0.51	0.056	mg/kg dry	39.6	2.32	93.2	75-125	1.93	20	
Barium	79.1	1.0	0.061	mg/kg dry	39.6	36.2	108	75-125	2.88	20	
Cadmium	37.2	0.26	0.034	mg/kg dry	39.6	<0.26	93.7	75-125	0.265	20	
Chromium	47.7	0.51	0.012	mg/kg dry	39.6	10.9	93.0	75-125	0.747	20	
Lead	40.9	1.0	0.14	mg/kg dry	39.6	3.49	94.5	75-125	0.884	20	
Selenium	36.6	1.0	0.097	mg/kg dry	39.6	<1.0	92.4	75-125	0.536	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1203 - EPA 3050B											
Matrix Spike Dup (B1J1203-MSD1)			Source: 1104845-01			Prepared: 10/12/11 Analyzed: 10/13/11					
Silver	3.69	0.26	0.016	mg/kg dry	3.96	<0.26	93.2	75-125	1.97	20	
Batch B1J1313 - EPA 7471A											
Blank (B1J1313-BLK1)			Prepared: 10/13/11 Analyzed: 10/17/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1313-BS1)			Prepared: 10/13/11 Analyzed: 10/17/11								
Mercury	0.205	0.10	0.019	mg/kg wet	0.200		102	80-120			
LCS Dup (B1J1313-BSD1)			Prepared: 10/13/11 Analyzed: 10/17/11								
Mercury	0.222	0.10	0.019	mg/kg wet	0.200		111	80-120	7.96	20	
Matrix Spike (B1J1313-MS1)			Source: 1104851-01			Prepared: 10/13/11 Analyzed: 10/17/11					
Mercury	0.244	0.11	0.021	mg/kg dry	0.216	<0.11	96.4	75-125			
Matrix Spike Dup (B1J1313-MSD1)			Source: 1104851-01			Prepared: 10/13/11 Analyzed: 10/17/11					
Mercury	0.272	0.11	0.021	mg/kg dry	0.229	<0.11	103	75-125	10.7	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J1209 - General Preparation												
Duplicate (B1J1209-DUP1)							Source: 1104828-02					Prepared & Analyzed: 10/12/11
% Solids	90.0			%		91.0			1.10	20		
Duplicate (B1J1209-DUP2)							Source: 1104859-01					Prepared & Analyzed: 10/12/11
% Solids	92.0			%		92.0			0.00	20		
Duplicate (B1J1209-DUP3)							Source: 1104859-02					Prepared & Analyzed: 10/12/11
% Solids	92.0			%		92.0			0.00	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Blank (B1J1401-BLK1)

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Blank (B1J1401-BLK1)

Prepared & Analyzed: 10/14/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.37			mg/kg wet	6.67		65.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.19			mg/kg wet	6.67		62.8	53.9-97.9			
Surrogate: 2-Fluorophenol	3.90			mg/kg wet	6.67		58.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.17			mg/kg wet	6.67		62.6	48.9-100			
Surrogate: Phenol-d6	4.67			mg/kg wet	6.67		70.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.20			mg/kg wet	6.67		63.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

LCS (B1J1401-BS1)

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	4.41	0.33	0.031	mg/kg wet	6.67		66.1	59.1-87.7			
1,4-Dichlorobenzene	4.07	0.33	0.029	mg/kg wet	6.67		61.0	50.3-72.9			
2,4-Dinitrotoluene	4.82	0.33	0.035	mg/kg wet	6.67		72.2	59.8-82.2			
2-Chlorophenol	4.36	0.67	0.060	mg/kg wet	6.67		65.4	59.7-77.3			
4-Chloro-3-methylphenol	4.71	0.67	0.066	mg/kg wet	6.67		70.6	63.6-80.4			
4-Nitrophenol	5.18	0.67	0.093	mg/kg wet	6.67		77.8	57.3-84.9			
Anthracene	4.79	0.33	0.036	mg/kg wet	6.67		71.9	67.3-88			
Benzo(a)anthracene	4.96	0.33	0.041	mg/kg wet	6.67		74.3	66.5-90.5			
Benzo(a)pyrene	4.69	0.33	0.042	mg/kg wet	6.67		70.3	66.1-89.7			
Chrysene	5.05	0.33	0.044	mg/kg wet	6.67		75.7	65.5-90.5			
Fluoranthene	4.73	0.33	0.039	mg/kg wet	6.67		71.0	66.7-89.9			
Fluorene	4.77	0.33	0.035	mg/kg wet	6.67		71.5	66.2-85.6			
N-Nitrosodi-n-propylamine	4.57	0.33	0.033	mg/kg wet	6.67		68.5	59.4-78			
Pentachlorophenol	3.59	0.67	0.078	mg/kg wet	6.67		53.8	46.7-83.2			
Phenanthrene	4.84	0.33	0.036	mg/kg wet	6.67		72.6	67.5-87.9			
Phenol	4.41	0.67	0.069	mg/kg wet	6.67		66.2	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.38			mg/kg wet	6.67		65.7	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.16			mg/kg wet	6.67		62.4	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.05			mg/kg wet	6.67		60.7	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.27			mg/kg wet	6.67		64.1	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.51			mg/kg wet	6.67		67.7	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.30			mg/kg wet	6.67		64.5	51-99.6			

Matrix Spike (B1J1401-MS1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	5.13	0.37	0.035	mg/kg dry	7.50	<0.37	68.4	44.8-97.9			
1,4-Dichlorobenzene	4.62	0.37	0.033	mg/kg dry	7.50	<0.37	61.7	42.3-77.9			
2,4-Dinitrotoluene	5.64	0.37	0.039	mg/kg dry	7.50	<0.37	75.3	57.3-86.6			
2-Chlorophenol	5.05	0.75	0.067	mg/kg dry	7.50	<0.75	67.4	43.3-93.2			
4-Chloro-3-methylphenol	5.74	0.75	0.074	mg/kg dry	7.50	<0.75	76.6	47.1-97.6			
4-Nitrophenol	6.29	0.75	0.10	mg/kg dry	7.50	<0.75	83.9	49.3-96.2			
Anthracene	5.88	0.37	0.040	mg/kg dry	7.50	<0.37	78.4	67.5-93.1			
Benzo(a)anthracene	5.85	0.37	0.046	mg/kg dry	7.50	<0.37	78.0	59.8-95.7			
Benzo(a)pyrene	5.40	0.37	0.047	mg/kg dry	7.50	<0.37	72.0	59.8-92.7			
Chrysene	6.10	0.37	0.049	mg/kg dry	7.50	<0.37	81.4	62.5-94.6			
Fluoranthene	5.51	0.37	0.044	mg/kg dry	7.50	<0.37	73.5	61.3-92.8			
Fluorene	5.59	0.37	0.039	mg/kg dry	7.50	<0.37	74.5	62.8-92.6			
N-Nitrosodi-n-propylamine	5.37	0.37	0.037	mg/kg dry	7.50	<0.37	71.6	46.9-89.9			
Pentachlorophenol	5.86	0.75	0.088	mg/kg dry	7.50	<0.75	78.2	40.1-95.1			
Phenanthrene	5.93	0.37	0.040	mg/kg dry	7.50	<0.37	79.0	65.2-92.2			
Phenol	5.15	0.75	0.078	mg/kg dry	7.50	<0.75	68.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Matrix Spike (B1J1401-MS1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

Surrogate: 2,4,6-Tribromophenol	6.08			mg/kg dry	7.50		81.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.87			mg/kg dry	7.50		65.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.77			mg/kg dry	7.50		63.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.02			mg/kg dry	7.50		66.9	48.9-100			
Surrogate: Phenol-d6	4.98			mg/kg dry	7.50		66.5	50.4-99.6			
Surrogate: Terphenyl-d14	5.32			mg/kg dry	7.50		71.0	51-99.6			

Matrix Spike Dup (B1J1401-MSD1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	5.16	0.37	0.035	mg/kg dry	7.52	<0.37	68.6	44.8-97.9	0.573	19.6	
1,4-Dichlorobenzene	4.69	0.37	0.033	mg/kg dry	7.52	<0.37	62.3	42.3-77.9	1.35	22.4	
2,4-Dinitrotoluene	5.83	0.37	0.039	mg/kg dry	7.52	<0.37	77.6	57.3-86.6	3.34	19.5	
2-Chlorophenol	5.26	0.75	0.067	mg/kg dry	7.52	<0.75	69.9	43.3-93.2	4.02	23.7	
4-Chloro-3-methylphenol	5.82	0.75	0.074	mg/kg dry	7.52	<0.75	77.3	47.1-97.6	1.28	18.3	
4-Nitrophenol	6.67	0.75	0.10	mg/kg dry	7.52	<0.75	88.7	49.3-96.2	5.84	20.4	
Anthracene	6.02	0.37	0.040	mg/kg dry	7.52	<0.37	80.1	67.5-93.1	2.48	19.9	
Benzo(a)anthracene	6.03	0.37	0.046	mg/kg dry	7.52	<0.37	80.2	59.8-95.7	3.02	23.4	
Benzo(a)pyrene	5.56	0.37	0.047	mg/kg dry	7.52	<0.37	73.9	59.8-92.7	2.88	21.1	
Chrysene	6.32	0.37	0.049	mg/kg dry	7.52	<0.37	84.0	62.5-94.6	3.48	24.8	
Fluoranthene	5.69	0.37	0.044	mg/kg dry	7.52	<0.37	75.6	61.3-92.8	3.19	21.8	
Fluorene	5.77	0.37	0.039	mg/kg dry	7.52	<0.37	76.7	62.8-92.6	3.15	17.6	
N-Nitrosodi-n-propylamine	5.53	0.37	0.037	mg/kg dry	7.52	<0.37	73.5	46.9-89.9	2.99	18.9	
Pentachlorophenol	6.07	0.75	0.088	mg/kg dry	7.52	<0.75	80.7	40.1-95.1	3.52	19.7	
Phenanthrene	6.04	0.37	0.040	mg/kg dry	7.52	<0.37	80.3	65.2-92.2	1.90	20.5	
Phenol	5.20	0.75	0.078	mg/kg dry	7.52	<0.75	69.2	44.7-91	1.09	17.9	
Surrogate: 2,4,6-Tribromophenol	6.26			mg/kg dry	7.52		83.3	53-107			
Surrogate: 2-Fluorobiphenyl	5.10			mg/kg dry	7.52		67.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.85			mg/kg dry	7.52		64.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.15			mg/kg dry	7.52		68.5	48.9-100			
Surrogate: Phenol-d6	5.41			mg/kg dry	7.52		71.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.45			mg/kg dry	7.52		72.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Blank (B1J1707-BLK1)

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Blank (B1J1707-BLK1)

Prepared & Analyzed: 10/17/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.66			mg/kg wet	6.67		70.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.06			mg/kg wet	6.67		61.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.94			mg/kg wet	6.67		59.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.11			mg/kg wet	6.67		61.7	48.9-100			
Surrogate: Phenol-d6	4.58			mg/kg wet	6.67		68.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.27			mg/kg wet	6.67		64.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

LCS (B1J1707-BS1)

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	3.95	0.33	0.031	mg/kg wet	6.67		59.3	59.1-87.7			
1,4-Dichlorobenzene	3.49	0.33	0.029	mg/kg wet	6.67		52.3	50.3-72.9			
2,4-Dinitrotoluene	4.69	0.33	0.035	mg/kg wet	6.67		70.3	59.8-82.2			
2-Chlorophenol	4.16	0.67	0.060	mg/kg wet	6.67		62.4	59.7-77.3			
4-Chloro-3-methylphenol	4.73	0.67	0.066	mg/kg wet	6.67		70.9	63.6-80.4			
4-Nitrophenol	5.39	0.67	0.093	mg/kg wet	6.67		80.8	57.3-84.9			
Anthracene	4.85	0.33	0.036	mg/kg wet	6.67		72.8	67.3-88			
Benzo(a)anthracene	5.15	0.33	0.041	mg/kg wet	6.67		77.2	66.5-90.5			
Benzo(a)pyrene	4.83	0.33	0.042	mg/kg wet	6.67		72.4	66.1-89.7			
Chrysene	5.21	0.33	0.044	mg/kg wet	6.67		78.1	65.5-90.5			
Fluoranthene	4.80	0.33	0.039	mg/kg wet	6.67		71.9	66.7-89.9			
Fluorene	4.54	0.33	0.035	mg/kg wet	6.67		68.2	66.2-85.6			
N-Nitrosodi-n-propylamine	4.10	0.33	0.033	mg/kg wet	6.67		61.5	59.4-78			
Pentachlorophenol	3.83	0.67	0.078	mg/kg wet	6.67		57.4	46.7-83.2			
Phenanthrene	4.82	0.33	0.036	mg/kg wet	6.67		72.3	67.5-87.9			
Phenol	4.30	0.67	0.069	mg/kg wet	6.67		64.5	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.68			mg/kg wet	6.67		70.2	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	3.98			mg/kg wet	6.67		59.7	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	3.66			mg/kg wet	6.67		54.9	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	3.94			mg/kg wet	6.67		59.1	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.12			mg/kg wet	6.67		61.8	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.53			mg/kg wet	6.67		67.9	51-99.6			

Matrix Spike (B1J1707-MS1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	3.88	0.34	0.032	mg/kg dry	7.07	<0.34	55.0	44.8-97.9			
1,4-Dichlorobenzene	3.48	0.34	0.030	mg/kg dry	7.07	<0.34	49.2	42.3-77.9			
2,4-Dinitrotoluene	4.25	0.34	0.036	mg/kg dry	7.07	<0.34	60.2	57.3-86.6			
2-Chlorophenol	3.77	0.70	0.062	mg/kg dry	7.07	<0.70	53.3	43.3-93.2			
4-Chloro-3-methylphenol	4.27	0.70	0.069	mg/kg dry	7.07	<0.70	60.4	47.1-97.6			
4-Nitrophenol	4.69	0.70	0.097	mg/kg dry	7.07	<0.70	66.3	49.3-96.2			
Anthracene	4.33	0.34	0.038	mg/kg dry	7.07	<0.34	61.3	67.5-93.1			M2
Benzo(a)anthracene	4.35	0.34	0.043	mg/kg dry	7.07	<0.34	61.6	59.8-95.7			
Benzo(a)pyrene	3.92	0.34	0.044	mg/kg dry	7.07	<0.34	55.5	59.8-92.7			M2
Chrysene	4.42	0.34	0.046	mg/kg dry	7.07	<0.34	62.5	62.5-94.6			
Fluoranthene	4.25	0.34	0.041	mg/kg dry	7.07	<0.34	60.1	61.3-92.8			M2
Fluorene	4.26	0.34	0.036	mg/kg dry	7.07	<0.34	60.2	62.8-92.6			M2
N-Nitrosodi-n-propylamine	3.99	0.34	0.034	mg/kg dry	7.07	<0.34	56.5	46.9-89.9			
Pentachlorophenol	3.97	0.70	0.081	mg/kg dry	7.07	<0.70	56.2	40.1-95.1			
Phenanthrene	4.43	0.34	0.038	mg/kg dry	7.07	<0.34	62.7	65.2-92.2			M2
Phenol	3.79	0.70	0.072	mg/kg dry	7.07	<0.70	53.6	44.7-91			

Legend Technical Services, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 UMP018404

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Matrix Spike (B1J1707-MS1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

Surrogate: 2,4,6-Tribromophenol	4.32			mg/kg dry	7.07		61.1	53-107			
Surrogate: 2-Fluorobiphenyl	3.84			mg/kg dry	7.07		54.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.54			mg/kg dry	7.07		50.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.80			mg/kg dry	7.07		53.8	48.9-100			
Surrogate: Phenol-d6	3.81			mg/kg dry	7.07		53.9	50.4-99.6			
Surrogate: Terphenyl-d14	3.72			mg/kg dry	7.07		52.6	51-99.6			

Matrix Spike Dup (B1J1707-MSD1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	4.71	0.34	0.032	mg/kg dry	7.06	<0.34	66.7	44.8-97.9	19.2	19.6	
1,4-Dichlorobenzene	4.19	0.34	0.030	mg/kg dry	7.06	<0.34	59.4	42.3-77.9	18.7	22.4	
2,4-Dinitrotoluene	5.17	0.34	0.036	mg/kg dry	7.06	<0.34	73.2	57.3-86.6	19.5	19.5	
2-Chlorophenol	4.63	0.70	0.062	mg/kg dry	7.06	<0.70	65.5	43.3-93.2	20.4	23.7	
4-Chloro-3-methylphenol	5.19	0.70	0.069	mg/kg dry	7.06	<0.70	73.5	47.1-97.6	19.6	18.3	QR-04
4-Nitrophenol	5.88	0.70	0.097	mg/kg dry	7.06	<0.70	83.3	49.3-96.2	22.6	20.4	QR-04
Anthracene	5.26	0.34	0.038	mg/kg dry	7.06	<0.34	74.5	67.5-93.1	19.3	19.9	
Benzo(a)anthracene	5.34	0.34	0.043	mg/kg dry	7.06	<0.34	75.6	59.8-95.7	20.4	23.4	
Benzo(a)pyrene	4.84	0.34	0.044	mg/kg dry	7.06	<0.34	68.6	59.8-92.7	21.0	21.1	
Chrysene	5.47	0.34	0.046	mg/kg dry	7.06	<0.34	77.4	62.5-94.6	21.2	24.8	
Fluoranthene	5.08	0.34	0.041	mg/kg dry	7.06	<0.34	71.9	61.3-92.8	17.8	21.8	
Fluorene	5.09	0.34	0.036	mg/kg dry	7.06	<0.34	72.1	62.8-92.6	17.9	17.6	QR-04
N-Nitrosodi-n-propylamine	4.86	0.34	0.034	mg/kg dry	7.06	<0.34	68.8	46.9-89.9	19.6	18.9	QR-04
Pentachlorophenol	4.93	0.70	0.081	mg/kg dry	7.06	<0.70	69.8	40.1-95.1	21.5	19.7	QR-04
Phenanthrene	5.35	0.34	0.038	mg/kg dry	7.06	<0.34	75.8	65.2-92.2	18.8	20.5	
Phenol	4.57	0.70	0.072	mg/kg dry	7.06	<0.70	64.7	44.7-91	18.7	17.9	QR-04
Surrogate: 2,4,6-Tribromophenol	5.42			mg/kg dry	7.06		76.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.58			mg/kg dry	7.06		64.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.38			mg/kg dry	7.06		62.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.64			mg/kg dry	7.06		65.7	48.9-100			
Surrogate: Phenol-d6	4.79			mg/kg dry	7.06		67.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.63			mg/kg dry	7.06		65.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1104852 Date Reported: 10/19/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
QR-04	The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 1104852
Project Number: 23/19-1092.00 48R1 500 10/11/11
Project Name: WMore R1 - Stage 2 - Good Contract
Sample Origin: State MN, two letter postal state abbreviation
COC Number: No 37373

Project Manager: JME
Project OC Contact: AAN
Sampled by: KCB
Laboratory: Legend

Number of Containers/Preservative
Water: VOCs (HCl) #1, VOCs (unpreserved) #2, Dissolved Metals (HNO3), Total Metals (HNO3), General (unpreserved) #3, Diesel Range Organics (HCl), Nutrients (H2SO4) #4
Soil: VOCs (tared MeOH) #1, GRC, BTEX (tared MeOH) #1, DRO (tared unpreserved), Metals (unpreserved), SVOC (unpreserved) #2, Solids (plastic vial unpres.)

Total Number Of Containers: 2

Analysis: PCBs, Metals + SVOCs

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Ice?	Day	Time	Received by:	Date	Time
						Soil	Water						
1. 911A-TI	0.5	0.5	ft	10/10/2011	1600	X	X	N	10/11/11	1601	Received by: [Signature]	10/11/11	1030
2. 906A-TI	0.5	0.5	ft		1636	X	X	N			Received by: [Signature]		
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													

Requisitioned By: [Signature]
Requisitioned By: [Signature]

Samples Shipped Via: [] Federal Express [] Sampler

Distribution: White - Chain of Custody

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GRG, TPH, B260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, B270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfide
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

1.2C Food Analysis



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104855
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/11/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "T-LE", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RASB-TT3_1.5-1.5	1104855-01	Soil	10/10/11 08:00	10/11/11 10:30
M-1	1104855-02	Soil	10/10/11 00:00	10/11/11 10:30
RASB-TT4_1.5-1.5	1104855-03	Soil	10/10/11 08:30	10/11/11 10:30
RASB-TT5_1.5-1.5	1104855-04	Soil	10/10/11 08:50	10/11/11 10:30
RASB-TT1_1.5-1.5	1104855-05	Soil	10/10/11 09:10	10/11/11 10:30
RASB-TT6_1.5-1.5	1104855-06	Soil	10/10/11 10:00	10/11/11 10:30
AF12-TT2_2-2	1104855-07	Soil	10/10/11 09:30	10/11/11 10:30
AF12-TT1_6-6	1104855-08	Soil	10/10/11 09:45	10/11/11 10:30
Trip Blank	1104855-09	Methanol	10/10/11 00:00	10/11/11 10:30
BG-TT4_3-3	1104855-10	Soil	10/10/11 10:15	10/11/11 10:30
RASB-TT7_1.5-1.5	1104855-11	Soil	10/10/11 10:30	10/11/11 10:30
RASB-TT8_1.5-1.5	1104855-12	Soil	10/10/11 12:00	10/11/11 10:30
RASB-TT2_1.5-1.5	1104855-13	Soil	10/10/11 13:00	10/11/11 10:30
10SD-TT14_0.5-0.5	1104855-14	Soil	10/10/11 10:45	10/11/11 10:30
10SD-TT15_0.5-0.5	1104855-16	Soil	10/10/11 11:15	10/11/11 10:30
10SD-TT9A_5-5	1104855-17	Soil	10/10/11 11:30	10/11/11 10:30
10SD-TT12_0.5-0.5	1104855-19	Soil	10/10/11 13:00	10/11/11 10:30
10SD-TT10_0.5-0.5	1104855-20	Soil	10/10/11 13:15	10/11/11 10:30
10SD-TT17_0.5-0.5	1104855-21	Soil	10/10/11 14:00	10/11/11 10:30
10SD-TT11_0.5-0.5	1104855-22	Soil	10/10/11 14:30	10/11/11 10:30
10SD-TT3A_2-2	1104855-23	Soil	10/10/11 15:00	10/11/11 10:30
10SD-TT16_0.5-0.5	1104855-24	Soil	10/10/11 15:30	10/11/11 10:30
10SD-TT18_0.5-0.5	1104855-25	Soil	10/10/11 15:45	10/11/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 1.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Recoveries for the 8270 matrix spike compounds anthracene, benzo(a)pyrene, fluoranthene, fluorene, and phenanthrene were below laboratory limits in the batch B1J1707 MS. The MS/MSD %RPDs were outside laboratory limits for several compounds. The MS/MSD source sample was sample RASB-TT5_1.5-1.5. All target analytes were within limits in the LCS.

Recovery for the 8270 surrogate 2-fluorobiphenyl was below laboratory limits in sample AF12-TT2_2-2.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT3_1.5-1.5 (1104855-01) Soil Sampled: 10/10/11 08:00 Received: 10/11/11 10:30										
Arsenic	7.8	0.54	0.060	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	130	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	23	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.018	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
M-1 (1104855-02) Soil Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
Arsenic	6.5	0.54	0.060	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	110	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	19	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	14	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
RASB-TT4_1.5-1.5 (1104855-03) Soil Sampled: 10/10/11 08:30 Received: 10/11/11 10:30										
Arsenic	3.2	0.51	0.056	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	55	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	13	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	3.5	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
RASB-TT5_1.5-1.5 (1104855-04) Soil Sampled: 10/10/11 08:50 Received: 10/11/11 10:30										
Arsenic	3.5	0.52	0.057	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	55	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	12	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	3.9	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
RASB-TT1_1.5-1.5 (1104855-05) Soil Sampled: 10/10/11 09:10 Received: 10/11/11 10:30										
Arsenic	2.3	0.51	0.056	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT1_1.5-1.5 (1104855-05) Soil Sampled: 10/10/11 09:10 Received: 10/11/11 10:30										
Barium	26	1.0	0.061	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.7	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	3.2	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.090	0.090	0.017	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
RASB-TT6_1.5-1.5 (1104855-06) Soil Sampled: 10/10/11 10:00 Received: 10/11/11 10:30										
Arsenic	2.0	0.51	0.056	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	34	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	8.1	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	6.7	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.093	0.093	0.018	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
AF12-TT2_2-2 (1104855-07) Soil Sampled: 10/10/11 09:30 Received: 10/11/11 10:30										
Arsenic	1.6	0.47	0.052	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	14	0.95	0.057	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.031	mg/kg dry	1	"	"	"	"	
Chromium	8.4	0.47	0.011	mg/kg dry	1	"	"	"	"	
Lead	1.5	0.95	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<0.95	0.95	0.090	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
AF12-TT1_6-6 (1104855-08) Soil Sampled: 10/10/11 09:45 Received: 10/11/11 10:30										
Arsenic	1.6	0.52	0.057	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	13	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.7	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.7	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
BG-TT4_3-3 (1104855-10) Soil Sampled: 10/10/11 10:15 Received: 10/11/11 10:30										
Arsenic	1.3	0.51	0.056	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	13	1.0	0.061	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BG-TT4_3-3 (1104855-10) Soil Sampled: 10/10/11 10:15 Received: 10/11/11 10:30										
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Chromium	5.8	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.4	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
RASB-TT7_1.5-1.5 (1104855-11) Soil Sampled: 10/10/11 10:30 Received: 10/11/11 10:30										
Arsenic	8.2	0.56	0.062	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	130	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	23	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
RASB-TT8_1.5-1.5 (1104855-12) Soil Sampled: 10/10/11 12:00 Received: 10/11/11 10:30										
Arsenic	6.3	0.54	0.059	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	95	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	20	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.3	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
RASB-TT2_1.5-1.5 (1104855-13) Soil Sampled: 10/10/11 13:00 Received: 10/11/11 10:30										
Arsenic	3.7	0.53	0.059	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	60	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	11	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	5.2	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.017	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
10SD-TT14_0.5-0.5 (1104855-14) Soil Sampled: 10/10/11 10:45 Received: 10/11/11 10:30										
Arsenic	6.1	0.56	0.061	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	130	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT14_0.5-0.5 (1104855-14) Soil Sampled: 10/10/11 10:45 Received: 10/11/11 10:30										
Chromium	21	0.56	0.013	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Lead	16	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
10SD-TT15_0.5-0.5 (1104855-16) Soil Sampled: 10/10/11 11:15 Received: 10/11/11 10:30										
Arsenic	5.8	0.55	0.060	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	130	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	18	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.017	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
10SD-TT9A_5-5 (1104855-17) Soil Sampled: 10/10/11 11:30 Received: 10/11/11 10:30										
Arsenic	2.0	0.51	0.056	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	16	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	9.6	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.5	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
10SD-TT12_0.5-0.5 (1104855-19) Soil Sampled: 10/10/11 13:00 Received: 10/11/11 10:30										
Arsenic	3.3	0.52	0.057	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Barium	46	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	12	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	5.8	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1J1204	10/12/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
10SD-TT10_0.5-0.5 (1104855-20) Soil Sampled: 10/10/11 13:15 Received: 10/11/11 10:30										
Arsenic	2.8	0.51	0.056	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Barium	40	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	13	0.51	0.012	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT10_0.5-0.5 (1104855-20) Soil Sampled: 10/10/11 13:15 Received: 10/11/11 10:30										
Lead	13	1.0	0.14	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
10SD-TT17_0.5-0.5 (1104855-21) Soil Sampled: 10/10/11 14:00 Received: 10/11/11 10:30										
Arsenic	1.4	0.50	0.055	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Barium	12	1.0	0.060	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	6.5	0.50	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.6	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.018	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.095	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
10SD-TT11_0.5-0.5 (1104855-22) Soil Sampled: 10/10/11 14:30 Received: 10/11/11 10:30										
Arsenic	2.5	0.51	0.056	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Barium	25	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	8.9	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	6.3	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.088	0.088	0.017	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
10SD-TT3A_2-2 (1104855-23) Soil Sampled: 10/10/11 15:00 Received: 10/11/11 10:30										
Arsenic	1.6	0.51	0.056	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Barium	24	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	13	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.0	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1715	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
10SD-TT16_0.5-0.5 (1104855-24) Soil Sampled: 10/10/11 15:30 Received: 10/11/11 10:30										
Arsenic	3.0	0.51	0.056	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Barium	40	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	12	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	25	1.0	0.14	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT16_0.5-0.5 (1104855-24) Soil Sampled: 10/10/11 15:30 Received: 10/11/11 10:30										
Mercury	<0.089	0.089	0.017	mg/kg dry	1	B1J1716	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
10SD-TT18_0.5-0.5 (1104855-25) Soil Sampled: 10/10/11 15:45 Received: 10/11/11 10:30										
Arsenic	2.7	0.52	0.057	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Barium	43	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	12	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	160	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J1716	10/17/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AF12-TT2_2-2 (1104855-07) Soil Sampled: 10/10/11 09:30 Received: 10/11/11 10:30										
Aroclor 1016	<0.20	0.20	0.0080	mg/kg dry	1	B1J1202	10/12/11	10/12/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.040	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.040	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	91.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	90.5			60.9-138 %		"	"	"	"	
AF12-TT1_6-6 (1104855-08) Soil Sampled: 10/10/11 09:45 Received: 10/11/11 10:30										
Aroclor 1016	<0.21	0.21	0.0081	mg/kg dry	1	B1J1202	10/12/11	10/12/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	93.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	93.0			60.9-138 %		"	"	"	"	

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PERCENT SOLIDS
 Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT3_1.5-1.5 (1104855-01) Soil Sampled: 10/10/11 08:00 Received: 10/11/11 10:30										
% Solids	92			%	1	B1J1811	10/18/11	10/18/11	% calculation	
M-1 (1104855-02) Soil Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
% Solids	92			%	1	B1J1811	10/18/11	10/18/11	% calculation	
RASB-TT4_1.5-1.5 (1104855-03) Soil Sampled: 10/10/11 08:30 Received: 10/11/11 10:30										
% Solids	98			%	1	B1J1811	10/18/11	10/18/11	% calculation	
RASB-TT5_1.5-1.5 (1104855-04) Soil Sampled: 10/10/11 08:50 Received: 10/11/11 10:30										
% Solids	96			%	1	B1J1811	10/18/11	10/18/11	% calculation	
RASB-TT1_1.5-1.5 (1104855-05) Soil Sampled: 10/10/11 09:10 Received: 10/11/11 10:30										
% Solids	98			%	1	B1J1811	10/18/11	10/18/11	% calculation	
RASB-TT6_1.5-1.5 (1104855-06) Soil Sampled: 10/10/11 10:00 Received: 10/11/11 10:30										
% Solids	99			%	1	B1J1811	10/18/11	10/18/11	% calculation	
AF12-TT2_2-2 (1104855-07) Soil Sampled: 10/10/11 09:30 Received: 10/11/11 10:30										
% Solids	99			%	1	B1J1811	10/18/11	10/18/11	% calculation	
AF12-TT1_6-6 (1104855-08) Soil Sampled: 10/10/11 09:45 Received: 10/11/11 10:30										
% Solids	97			%	1	B1J1811	10/18/11	10/18/11	% calculation	
BG-TT4_3-3 (1104855-10) Soil Sampled: 10/10/11 10:15 Received: 10/11/11 10:30										
% Solids	99			%	1	B1J1811	10/18/11	10/18/11	% calculation	
RASB-TT7_1.5-1.5 (1104855-11) Soil Sampled: 10/10/11 10:30 Received: 10/11/11 10:30										
% Solids	89			%	1	B1J1811	10/18/11	10/18/11	% calculation	
RASB-TT8_1.5-1.5 (1104855-12) Soil Sampled: 10/10/11 12:00 Received: 10/11/11 10:30										
% Solids	93			%	1	B1J1811	10/18/11	10/18/11	% calculation	
RASB-TT2_1.5-1.5 (1104855-13) Soil Sampled: 10/10/11 13:00 Received: 10/11/11 10:30										
% Solids	94			%	1	B1J1811	10/18/11	10/18/11	% calculation	
10SD-TT14_0.5-0.5 (1104855-14) Soil Sampled: 10/10/11 10:45 Received: 10/11/11 10:30										
% Solids	90			%	1	B1J1811	10/18/11	10/18/11	% calculation	
10SD-TT15_0.5-0.5 (1104855-16) Soil Sampled: 10/10/11 11:15 Received: 10/11/11 10:30										
% Solids	91			%	1	B1J1811	10/18/11	10/18/11	% calculation	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT9A_5-5 (1104855-17) Soil Sampled: 10/10/11 11:30 Received: 10/11/11 10:30										
% Solids	99			%	1	B1J1811	10/18/11	10/18/11	% calculation	
10SD-TT12_0.5-0.5 (1104855-19) Soil Sampled: 10/10/11 13:00 Received: 10/11/11 10:30										
% Solids	97			%	1	B1J1811	10/18/11	10/18/11	% calculation	
10SD-TT10_0.5-0.5 (1104855-20) Soil Sampled: 10/10/11 13:15 Received: 10/11/11 10:30										
% Solids	98			%	1	B1J1811	10/18/11	10/18/11	% calculation	
10SD-TT17_0.5-0.5 (1104855-21) Soil Sampled: 10/10/11 14:00 Received: 10/11/11 10:30										
% Solids	100			%	1	B1J1811	10/18/11	10/18/11	% calculation	
10SD-TT11_0.5-0.5 (1104855-22) Soil Sampled: 10/10/11 14:30 Received: 10/11/11 10:30										
% Solids	99			%	1	B1J1811	10/18/11	10/18/11	% calculation	
10SD-TT3A_2-2 (1104855-23) Soil Sampled: 10/10/11 15:00 Received: 10/11/11 10:30										
% Solids	99			%	1	B1J1811	10/18/11	10/18/11	% calculation	
10SD-TT16_0.5-0.5 (1104855-24) Soil Sampled: 10/10/11 15:30 Received: 10/11/11 10:30										
% Solids	98			%	1	B1J1811	10/18/11	10/18/11	% calculation	
10SD-TT18_0.5-0.5 (1104855-25) Soil Sampled: 10/10/11 15:45 Received: 10/11/11 10:30										
% Solids	97			%	1	B1J1811	10/18/11	10/18/11	% calculation	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT3_1.5-1.5 (1104855-01) Soil Sampled: 10/10/11 08:00 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	0.82	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT3_1.5-1.5 (1104855-01) Soil Sampled: 10/10/11 08:00 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.16	0.36	0.048	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	96.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	85.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	80.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	80.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	95.2			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1104855-02) Soil Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	1.3	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	0.043	0.36	0.042	mg/kg dry	1	"	"	"	"	J
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1104855-02) Soil Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.38	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	89.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT4_1.5-1.5 (1104855-03) Soil Sampled: 10/10/11 08:30 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT4_1.5-1.5 (1104855-03) Soil Sampled: 10/10/11 08:30 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1401	10/14/11	10/14/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	85.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	67.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	93.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT5_1.5-1.5 (1104855-04) Soil Sampled: 10/10/11 08:50 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	QR-04
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	QR-04
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	M2
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	M2
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT5_1.5-1.5 (1104855-04) Soil Sampled: 10/10/11 08:50 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	M2
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	M2, QR-04
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	QR-04
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	QR-04
Pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT1_1.5-1.5 (1104855-05) Soil Sampled: 10/10/11 09:10 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.052	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.055	0.34	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT1_1.5-1.5 (1104855-05) Soil Sampled: 10/10/11 09:10 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.052	0.34	0.045	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.13	0.34	0.040	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.095	0.34	0.037	mg/kg dry	1	"	"	"	"	J
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	0.11	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	77.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	58.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	55.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	57.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	65.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT6_1.5-1.5 (1104855-06) Soil Sampled: 10/10/11 10:00 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	0.077	0.33	0.029	mg/kg dry	1	"	"	"	"	J
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.052	0.33	0.036	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT6_1.5-1.5 (1104855-06) Soil Sampled: 10/10/11 10:00 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	73.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AF12-TT2_2-2 (1104855-07) Soil Sampled: 10/10/11 09:30 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AF12-TT2_2-2 (1104855-07) Soil Sampled: 10/10/11 09:30 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	62.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	52.7			53.9-97.9 %		"	"	"	"	S-GC
Surrogate: 2-Fluorophenol	49.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	52.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	59.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	60.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AF12-TT1_6-6 (1104855-08) Soil Sampled: 10/10/11 09:45 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AF12-TT1_6-6 (1104855-08) Soil Sampled: 10/10/11 09:45 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	75.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	64.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT7_1.5-1.5 (1104855-11) Soil Sampled: 10/10/11 10:30 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT7_1.5-1.5 (1104855-11) Soil Sampled: 10/10/11 10:30 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	84.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	68.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT8_1.5-1.5 (1104855-12) Soil Sampled: 10/10/11 12:00 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT8_1.5-1.5 (1104855-12) Soil Sampled: 10/10/11 12:00 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT2_1.5-1.5 (1104855-13) Soil Sampled: 10/10/11 13:00 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.11	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.079	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.097	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.082	0.35	0.046	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RASB-TT2_1.5-1.5 (1104855-13) Soil Sampled: 10/10/11 13:00 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.096	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.22	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.070	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.15	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	0.20	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	73.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	60.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	61.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT12_0.5-0.5 (1104855-19) Soil Sampled: 10/10/11 13:00 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT12_0.5-0.5 (1104855-19) Soil Sampled: 10/10/11 13:00 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	73.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	62.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	81.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT10_0.5-0.5 (1104855-20) Soil Sampled: 10/10/11 13:15 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT10_0.5-0.5 (1104855-20) Soil Sampled: 10/10/11 13:15 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	79.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	70.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	83.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT11_0.5-0.5 (1104855-22) Soil Sampled: 10/10/11 14:30 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT11_0.5-0.5 (1104855-22) Soil Sampled: 10/10/11 14:30 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	79.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	70.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AF12-TT2_2-2 (1104855-07) Soil Sampled: 10/10/11 09:30 Received: 10/11/11 10:30										
1,1,1,2-Tetrachloroethane	<0.060	0.25	0.060	mg/kg dry	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.069	0.25	0.069	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.062	0.51	0.062	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.51	0.027	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.070	0.51	0.070	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.061	0.51	0.061	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.089	2.0	0.089	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg dry	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.059	0.51	0.059	mg/kg dry	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg dry	1	"	"	"	"	
Bromoform	<0.027	0.51	0.027	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.11	0.51	0.11	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg dry	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.062	0.25	0.062	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AF12-TT2_2-2 (1104855-07) Soil Sampled: 10/10/11 09:30 Received: 10/11/11 10:30										
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg dry	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.10	0.51	0.10	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.51	0.038	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.070	1.0	0.070	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.047	0.51	0.047	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.083	0.51	0.083	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.059	1.0	0.059	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.056	0.51	0.056	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg dry	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.016	0.25	0.016	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.066	0.25	0.066	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	92.7			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	93.1			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	92.9			78.1-125 %		"	"	"	"	

AF12-TT1_6-6 (1104855-08) Soil Sampled: 10/10/11 09:45 Received: 10/11/11 10:30										
1,1,1,2-Tetrachloroethane	<0.061	0.26	0.061	mg/kg dry	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
1,1,1-Trichloroethane	<0.033	0.26	0.033	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.070	0.26	0.070	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.024	0.26	0.024	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AF12-TT1_6-6 (1104855-08) Soil Sampled: 10/10/11 09:45 Received: 10/11/11 10:30										
1,1-Dichloroethene	<0.026	0.26	0.026	mg/kg dry	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
1,1-Dichloropropene	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.063	0.52	0.063	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.025	0.26	0.025	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.028	0.52	0.028	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.071	0.52	0.071	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.032	0.26	0.032	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.062	0.52	0.062	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.091	2.1	0.091	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.26	0.014	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
Acetone	<0.20	2.1	0.20	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.060	0.52	0.060	mg/kg dry	1	"	"	"	"	
Benzene	<0.015	0.26	0.015	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.038	0.26	0.038	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
Bromoform	<0.028	0.52	0.028	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.11	0.52	0.11	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.038	0.26	0.038	mg/kg dry	1	"	"	"	"	
Chloroform	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.063	0.26	0.063	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.030	0.26	0.030	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.10	0.52	0.10	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.039	0.26	0.039	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.039	0.52	0.039	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AF12-TT1_6-6 (1104855-08) Soil Sampled: 10/10/11 09:45 Received: 10/11/11 10:30										
Ethylbenzene	<0.011	0.26	0.011	mg/kg dry	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
Hexachlorobutadiene	<0.071	1.0	0.071	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.048	0.52	0.048	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.085	0.52	0.085	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.060	1.0	0.060	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.057	0.52	0.057	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.026	0.26	0.026	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.26	0.014	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
Styrene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.029	0.26	0.029	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.1	0.12	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.031	0.26	0.031	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.024	0.26	0.024	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.042	0.26	0.042	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.036	0.26	0.036	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.067	0.26	0.067	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.0			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.4			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	94.2			78.1-125 %		"	"	"	"	

Trip Blank (1104855-09) Methanol Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1104855-09) Methanol Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1104855-09) Methanol Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
Methylene chloride	<0.058	1.0	0.058	mg/kg wet	1	B1J1207	10/12/11	10/12/11	EPA 8260B	
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	T-1
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.8			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	95.4			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	92.8			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1204 - EPA 3050B

Blank (B1J1204-BLK1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1204-BS1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	40.4	0.50	0.055	mg/kg wet	39.9		101	80-120			
Barium	42.2	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	40.3	0.25	0.033	mg/kg wet	39.9		101	80-120			
Chromium	40.9	0.50	0.012	mg/kg wet	39.9		102	80-120			
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	40.4	1.0	0.095	mg/kg wet	39.9		101	80-120			
Silver	4.07	0.25	0.016	mg/kg wet	3.99		102	80-120			

LCS Dup (B1J1204-BSD1)

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	40.0	0.50	0.055	mg/kg wet	39.9		100	80-120	0.851	20	
Barium	42.4	1.0	0.060	mg/kg wet	39.9		106	80-120	0.444	20	
Cadmium	40.3	0.25	0.033	mg/kg wet	39.9		101	80-120	0.0236	20	
Chromium	40.8	0.50	0.012	mg/kg wet	39.9		102	80-120	0.258	20	
Lead	41.8	1.0	0.14	mg/kg wet	39.9		105	80-120	0.251	20	
Selenium	40.5	1.0	0.095	mg/kg wet	39.9		102	80-120	0.387	20	
Silver	4.09	0.25	0.016	mg/kg wet	3.99		103	80-120	0.605	20	

Matrix Spike (B1J1204-MS1)

Source: 1104855-01

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	43.4	0.54	0.060	mg/kg dry	42.6	7.78	83.5	75-125			
Barium	174	1.1	0.065	mg/kg dry	42.6	131	100	75-125			
Cadmium	37.7	0.27	0.036	mg/kg dry	42.6	<0.27	88.1	75-125			
Chromium	59.3	0.54	0.013	mg/kg dry	42.6	22.8	85.7	75-125			
Lead	49.9	1.1	0.15	mg/kg dry	42.6	12.8	86.9	75-125			
Selenium	34.9	1.1	0.10	mg/kg dry	42.6	<1.1	81.9	75-125			
Silver	3.64	0.27	0.017	mg/kg dry	4.26	<0.27	85.5	75-125			

Matrix Spike Dup (B1J1204-MSD1)

Source: 1104855-01

Prepared: 10/12/11 Analyzed: 10/13/11

Arsenic	43.9	0.54	0.060	mg/kg dry	42.3	7.78	85.3	75-125	1.11	20	
Barium	168	1.1	0.065	mg/kg dry	42.3	131	85.7	75-125	3.78	20	
Cadmium	37.8	0.27	0.036	mg/kg dry	42.3	<0.27	89.0	75-125	0.313	20	
Chromium	57.7	0.54	0.013	mg/kg dry	42.3	22.8	82.4	75-125	2.82	20	
Lead	49.2	1.1	0.15	mg/kg dry	42.3	12.8	85.9	75-125	1.35	20	
Selenium	35.6	1.1	0.10	mg/kg dry	42.3	<1.1	84.1	75-125	1.98	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1204 - EPA 3050B

Matrix Spike Dup (B1J1204-MSD1)

Source: 1104855-01

Prepared: 10/12/11 Analyzed: 10/13/11

Silver	3.65	0.27	0.017	mg/kg dry	4.23	<0.27	86.4	75-125	0.337	20	
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Batch B1J1309 - EPA 3050B

Blank (B1J1309-BLK1)

Prepared & Analyzed: 10/13/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1309-BS1)

Prepared & Analyzed: 10/13/11

Arsenic	39.5	0.50	0.055	mg/kg wet	39.9		99.1	80-120			
Barium	41.5	1.0	0.060	mg/kg wet	39.9		104	80-120			
Cadmium	39.4	0.25	0.033	mg/kg wet	39.9		98.9	80-120			
Chromium	39.8	0.50	0.012	mg/kg wet	39.9		99.9	80-120			
Lead	41.0	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	39.8	1.0	0.095	mg/kg wet	39.9		99.8	80-120			
Silver	3.97	0.25	0.016	mg/kg wet	3.99		99.5	80-120			

LCS Dup (B1J1309-BSD1)

Prepared & Analyzed: 10/13/11

Arsenic	39.6	0.50	0.055	mg/kg wet	39.9		99.3	80-120	0.138	20	
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120	0.538	20	
Cadmium	39.6	0.25	0.033	mg/kg wet	39.9		99.1	80-120	0.282	20	
Chromium	39.8	0.50	0.012	mg/kg wet	39.9		99.8	80-120	0.0281	20	
Lead	41.1	1.0	0.14	mg/kg wet	39.9		103	80-120	0.219	20	
Selenium	39.9	1.0	0.095	mg/kg wet	39.9		100	80-120	0.279	20	
Silver	3.96	0.25	0.016	mg/kg wet	3.99		99.3	80-120	0.134	20	

Matrix Spike (B1J1309-MS1)

Source: 1104855-20

Prepared & Analyzed: 10/13/11

Arsenic	39.5	0.51	0.056	mg/kg dry	39.1	2.83	93.7	75-125			
Barium	79.9	1.0	0.061	mg/kg dry	39.1	39.7	103	75-125			
Cadmium	37.0	0.26	0.034	mg/kg dry	39.1	<0.26	94.3	75-125			
Chromium	52.2	0.51	0.012	mg/kg dry	39.1	12.5	101	75-125			
Lead	50.8	1.0	0.14	mg/kg dry	39.1	13.3	96.0	75-125			
Selenium	36.4	1.0	0.097	mg/kg dry	39.1	<1.0	93.2	75-125			
Silver	3.61	0.26	0.016	mg/kg dry	3.91	<0.26	92.3	75-125			

Matrix Spike Dup (B1J1309-MSD1)

Source: 1104855-20

Prepared & Analyzed: 10/13/11

Arsenic	39.2	0.51	0.056	mg/kg dry	39.5	2.83	92.0	75-125	0.718	20	
Barium	82.5	1.0	0.061	mg/kg dry	39.5	39.7	108	75-125	3.19	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1309 - EPA 3050B											
Matrix Spike Dup (B1J1309-MSD1)		Source: 1104855-20			Prepared & Analyzed: 10/13/11						
Cadmium	36.6	0.26	0.034	mg/kg dry	39.5	<0.26	92.3	75-125	0.986	20	
Chromium	51.8	0.51	0.012	mg/kg dry	39.5	12.5	99.5	75-125	0.634	20	
Lead	49.6	1.0	0.14	mg/kg dry	39.5	13.3	92.0	75-125	2.37	20	
Selenium	36.2	1.0	0.097	mg/kg dry	39.5	<1.0	91.5	75-125	0.674	20	
Silver	3.54	0.26	0.016	mg/kg dry	3.95	<0.26	89.6	75-125	1.89	20	
Batch B1J1715 - EPA 7471A											
Blank (B1J1715-BLK1)		Prepared: 10/17/11 Analyzed: 10/19/11									
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1715-BS1)		Prepared: 10/17/11 Analyzed: 10/19/11									
Mercury	0.226	0.10	0.019	mg/kg wet	0.200		113	80-120			
LCS Dup (B1J1715-BSD1)		Prepared: 10/17/11 Analyzed: 10/19/11									
Mercury	0.234	0.10	0.019	mg/kg wet	0.200		117	80-120	3.48	20	
Matrix Spike (B1J1715-MS1)		Source: 1104855-01			Prepared: 10/17/11 Analyzed: 10/19/11						
Mercury	0.271	0.10	0.019	mg/kg dry	0.203	<0.10	105	75-125			
Matrix Spike Dup (B1J1715-MSD1)		Source: 1104855-01			Prepared: 10/17/11 Analyzed: 10/19/11						
Mercury	0.263	0.10	0.019	mg/kg dry	0.200	<0.10	102	75-125	2.96	20	
Batch B1J1716 - EPA 7471A											
Blank (B1J1716-BLK1)		Prepared: 10/17/11 Analyzed: 10/19/11									
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1716-BS1)		Prepared: 10/17/11 Analyzed: 10/19/11									
Mercury	0.166	0.10	0.019	mg/kg wet	0.200		83.0	80-120			
LCS Dup (B1J1716-BSD1)		Prepared: 10/17/11 Analyzed: 10/19/11									
Mercury	0.177	0.10	0.019	mg/kg wet	0.200		88.5	80-120	6.41	20	
Matrix Spike (B1J1716-MS1)		Source: 1104855-24			Prepared: 10/17/11 Analyzed: 10/19/11						
Mercury	0.193	0.10	0.019	mg/kg dry	0.201	<0.10	96.0	75-125			
Matrix Spike Dup (B1J1716-MSD1)		Source: 1104855-24			Prepared: 10/17/11 Analyzed: 10/19/11						
Mercury	0.196	0.097	0.018	mg/kg dry	0.194	<0.097	101	75-125	1.44	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1202 - EPA 3545 ASE Extraction											
Blank (B1J1202-BLK1)						Prepared & Analyzed: 10/12/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0613			mg/kg wet	0.0667		92.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0600			mg/kg wet	0.0667		90.0	60.9-138			
LCS (B1J1202-BS1)						Prepared & Analyzed: 10/12/11					
Aroclor 1260	0.335	0.20	0.0059	mg/kg wet	0.333		100	70-130			
Surrogate: Decachlorobiphenyl	0.0593			mg/kg wet	0.0667		89.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0570			mg/kg wet	0.0667		85.5	60.9-138			
Matrix Spike (B1J1202-MS1)						Source: 1104808-01 Prepared & Analyzed: 10/12/11					
Aroclor 1260	0.362	0.20	0.0059	mg/kg dry	0.335	<0.20	108	70-130			
Surrogate: Decachlorobiphenyl	0.0634			mg/kg dry	0.0671		94.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0634			mg/kg dry	0.0671		94.5	60.9-138			
Matrix Spike Dup (B1J1202-MSD1)						Source: 1104808-01 Prepared & Analyzed: 10/12/11					
Aroclor 1260	0.364	0.20	0.0059	mg/kg dry	0.336	<0.20	108	70-130	0.479	17.2	
Surrogate: Decachlorobiphenyl	0.0632			mg/kg dry	0.0672		94.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0635			mg/kg dry	0.0672		94.5	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J1811 - General Preparation												
Duplicate (B1J1811-DUP1)							Source: 1104855-11					Prepared & Analyzed: 10/18/11
% Solids	89.0			%		89.0			0.00	20		
Duplicate (B1J1811-DUP2)							Source: 1104855-23					Prepared & Analyzed: 10/18/11
% Solids	99.0			%		99.0			0.00	20		
Duplicate (B1J1811-DUP3)							Source: 1104999-07					Prepared & Analyzed: 10/18/11
% Solids	83.0			%		83.0			0.00	20		
Duplicate (B1J1811-DUP4)							Source: 1105008-01					Prepared & Analyzed: 10/18/11
% Solids	100			%		100			0.00	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Blank (B1J1401-BLK1)

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Blank (B1J1401-BLK1)

Prepared & Analyzed: 10/14/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.37			mg/kg wet	6.67		65.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.19			mg/kg wet	6.67		62.8	53.9-97.9			
Surrogate: 2-Fluorophenol	3.90			mg/kg wet	6.67		58.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.17			mg/kg wet	6.67		62.6	48.9-100			
Surrogate: Phenol-d6	4.67			mg/kg wet	6.67		70.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.20			mg/kg wet	6.67		63.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

LCS (B1J1401-BS1)

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	4.41	0.33	0.031	mg/kg wet	6.67		66.1	59.1-87.7			
1,4-Dichlorobenzene	4.07	0.33	0.029	mg/kg wet	6.67		61.0	50.3-72.9			
2,4-Dinitrotoluene	4.82	0.33	0.035	mg/kg wet	6.67		72.2	59.8-82.2			
2-Chlorophenol	4.36	0.67	0.060	mg/kg wet	6.67		65.4	59.7-77.3			
4-Chloro-3-methylphenol	4.71	0.67	0.066	mg/kg wet	6.67		70.6	63.6-80.4			
4-Nitrophenol	5.18	0.67	0.093	mg/kg wet	6.67		77.8	57.3-84.9			
Anthracene	4.79	0.33	0.036	mg/kg wet	6.67		71.9	67.3-88			
Benzo(a)anthracene	4.96	0.33	0.041	mg/kg wet	6.67		74.3	66.5-90.5			
Benzo(a)pyrene	4.69	0.33	0.042	mg/kg wet	6.67		70.3	66.1-89.7			
Chrysene	5.05	0.33	0.044	mg/kg wet	6.67		75.7	65.5-90.5			
Fluoranthene	4.73	0.33	0.039	mg/kg wet	6.67		71.0	66.7-89.9			
Fluorene	4.77	0.33	0.035	mg/kg wet	6.67		71.5	66.2-85.6			
N-Nitrosodi-n-propylamine	4.57	0.33	0.033	mg/kg wet	6.67		68.5	59.4-78			
Pentachlorophenol	3.59	0.67	0.078	mg/kg wet	6.67		53.8	46.7-83.2			
Phenanthrene	4.84	0.33	0.036	mg/kg wet	6.67		72.6	67.5-87.9			
Phenol	4.41	0.67	0.069	mg/kg wet	6.67		66.2	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.38			mg/kg wet	6.67		65.7	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.16			mg/kg wet	6.67		62.4	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.05			mg/kg wet	6.67		60.7	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.27			mg/kg wet	6.67		64.1	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.51			mg/kg wet	6.67		67.7	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.30			mg/kg wet	6.67		64.5	51-99.6			

Matrix Spike (B1J1401-MS1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	5.13	0.37	0.035	mg/kg dry	7.50	<0.37	68.4	44.8-97.9			
1,4-Dichlorobenzene	4.62	0.37	0.033	mg/kg dry	7.50	<0.37	61.7	42.3-77.9			
2,4-Dinitrotoluene	5.64	0.37	0.039	mg/kg dry	7.50	<0.37	75.3	57.3-86.6			
2-Chlorophenol	5.05	0.75	0.067	mg/kg dry	7.50	<0.75	67.4	43.3-93.2			
4-Chloro-3-methylphenol	5.74	0.75	0.074	mg/kg dry	7.50	<0.75	76.6	47.1-97.6			
4-Nitrophenol	6.29	0.75	0.10	mg/kg dry	7.50	<0.75	83.9	49.3-96.2			
Anthracene	5.88	0.37	0.040	mg/kg dry	7.50	<0.37	78.4	67.5-93.1			
Benzo(a)anthracene	5.85	0.37	0.046	mg/kg dry	7.50	<0.37	78.0	59.8-95.7			
Benzo(a)pyrene	5.40	0.37	0.047	mg/kg dry	7.50	<0.37	72.0	59.8-92.7			
Chrysene	6.10	0.37	0.049	mg/kg dry	7.50	<0.37	81.4	62.5-94.6			
Fluoranthene	5.51	0.37	0.044	mg/kg dry	7.50	<0.37	73.5	61.3-92.8			
Fluorene	5.59	0.37	0.039	mg/kg dry	7.50	<0.37	74.5	62.8-92.6			
N-Nitrosodi-n-propylamine	5.37	0.37	0.037	mg/kg dry	7.50	<0.37	71.6	46.9-89.9			
Pentachlorophenol	5.86	0.75	0.088	mg/kg dry	7.50	<0.75	78.2	40.1-95.1			
Phenanthrene	5.93	0.37	0.040	mg/kg dry	7.50	<0.37	79.0	65.2-92.2			
Phenol	5.15	0.75	0.078	mg/kg dry	7.50	<0.75	68.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1401 - EPA 3545 ASE Extraction

Matrix Spike (B1J1401-MS1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

Surrogate: 2,4,6-Tribromophenol	6.08			mg/kg dry	7.50		81.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.87			mg/kg dry	7.50		65.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.77			mg/kg dry	7.50		63.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.02			mg/kg dry	7.50		66.9	48.9-100			
Surrogate: Phenol-d6	4.98			mg/kg dry	7.50		66.5	50.4-99.6			
Surrogate: Terphenyl-d14	5.32			mg/kg dry	7.50		71.0	51-99.6			

Matrix Spike Dup (B1J1401-MSD1)

Source: 1104851-01

Prepared & Analyzed: 10/14/11

1,2,4-Trichlorobenzene	5.16	0.37	0.035	mg/kg dry	7.52	<0.37	68.6	44.8-97.9	0.573	19.6	
1,4-Dichlorobenzene	4.69	0.37	0.033	mg/kg dry	7.52	<0.37	62.3	42.3-77.9	1.35	22.4	
2,4-Dinitrotoluene	5.83	0.37	0.039	mg/kg dry	7.52	<0.37	77.6	57.3-86.6	3.34	19.5	
2-Chlorophenol	5.26	0.75	0.067	mg/kg dry	7.52	<0.75	69.9	43.3-93.2	4.02	23.7	
4-Chloro-3-methylphenol	5.82	0.75	0.074	mg/kg dry	7.52	<0.75	77.3	47.1-97.6	1.28	18.3	
4-Nitrophenol	6.67	0.75	0.10	mg/kg dry	7.52	<0.75	88.7	49.3-96.2	5.84	20.4	
Anthracene	6.02	0.37	0.040	mg/kg dry	7.52	<0.37	80.1	67.5-93.1	2.48	19.9	
Benzo(a)anthracene	6.03	0.37	0.046	mg/kg dry	7.52	<0.37	80.2	59.8-95.7	3.02	23.4	
Benzo(a)pyrene	5.56	0.37	0.047	mg/kg dry	7.52	<0.37	73.9	59.8-92.7	2.88	21.1	
Chrysene	6.32	0.37	0.049	mg/kg dry	7.52	<0.37	84.0	62.5-94.6	3.48	24.8	
Fluoranthene	5.69	0.37	0.044	mg/kg dry	7.52	<0.37	75.6	61.3-92.8	3.19	21.8	
Fluorene	5.77	0.37	0.039	mg/kg dry	7.52	<0.37	76.7	62.8-92.6	3.15	17.6	
N-Nitrosodi-n-propylamine	5.53	0.37	0.037	mg/kg dry	7.52	<0.37	73.5	46.9-89.9	2.99	18.9	
Pentachlorophenol	6.07	0.75	0.088	mg/kg dry	7.52	<0.75	80.7	40.1-95.1	3.52	19.7	
Phenanthrene	6.04	0.37	0.040	mg/kg dry	7.52	<0.37	80.3	65.2-92.2	1.90	20.5	
Phenol	5.20	0.75	0.078	mg/kg dry	7.52	<0.75	69.2	44.7-91	1.09	17.9	
Surrogate: 2,4,6-Tribromophenol	6.26			mg/kg dry	7.52		83.3	53-107			
Surrogate: 2-Fluorobiphenyl	5.10			mg/kg dry	7.52		67.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.85			mg/kg dry	7.52		64.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.15			mg/kg dry	7.52		68.5	48.9-100			
Surrogate: Phenol-d6	5.41			mg/kg dry	7.52		71.9	50.4-99.6			
Surrogate: Terphenyl-d14	5.45			mg/kg dry	7.52		72.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Blank (B1J1707-BLK1)

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Blank (B1J1707-BLK1)

Prepared & Analyzed: 10/17/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.66			mg/kg wet	6.67		70.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.06			mg/kg wet	6.67		61.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.94			mg/kg wet	6.67		59.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.11			mg/kg wet	6.67		61.7	48.9-100			
Surrogate: Phenol-d6	4.58			mg/kg wet	6.67		68.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.27			mg/kg wet	6.67		64.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

LCS (B1J1707-BS1)

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	3.95	0.33	0.031	mg/kg wet	6.67		59.3	59.1-87.7			
1,4-Dichlorobenzene	3.49	0.33	0.029	mg/kg wet	6.67		52.3	50.3-72.9			
2,4-Dinitrotoluene	4.69	0.33	0.035	mg/kg wet	6.67		70.3	59.8-82.2			
2-Chlorophenol	4.16	0.67	0.060	mg/kg wet	6.67		62.4	59.7-77.3			
4-Chloro-3-methylphenol	4.73	0.67	0.066	mg/kg wet	6.67		70.9	63.6-80.4			
4-Nitrophenol	5.39	0.67	0.093	mg/kg wet	6.67		80.8	57.3-84.9			
Anthracene	4.85	0.33	0.036	mg/kg wet	6.67		72.8	67.3-88			
Benzo(a)anthracene	5.15	0.33	0.041	mg/kg wet	6.67		77.2	66.5-90.5			
Benzo(a)pyrene	4.83	0.33	0.042	mg/kg wet	6.67		72.4	66.1-89.7			
Chrysene	5.21	0.33	0.044	mg/kg wet	6.67		78.1	65.5-90.5			
Fluoranthene	4.80	0.33	0.039	mg/kg wet	6.67		71.9	66.7-89.9			
Fluorene	4.54	0.33	0.035	mg/kg wet	6.67		68.2	66.2-85.6			
N-Nitrosodi-n-propylamine	4.10	0.33	0.033	mg/kg wet	6.67		61.5	59.4-78			
Pentachlorophenol	3.83	0.67	0.078	mg/kg wet	6.67		57.4	46.7-83.2			
Phenanthrene	4.82	0.33	0.036	mg/kg wet	6.67		72.3	67.5-87.9			
Phenol	4.30	0.67	0.069	mg/kg wet	6.67		64.5	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.68			mg/kg wet	6.67		70.2	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	3.98			mg/kg wet	6.67		59.7	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	3.66			mg/kg wet	6.67		54.9	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	3.94			mg/kg wet	6.67		59.1	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.12			mg/kg wet	6.67		61.8	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.53			mg/kg wet	6.67		67.9	51-99.6			

Matrix Spike (B1J1707-MS1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	3.88	0.34	0.032	mg/kg dry	7.07	<0.34	55.0	44.8-97.9			
1,4-Dichlorobenzene	3.48	0.34	0.030	mg/kg dry	7.07	<0.34	49.2	42.3-77.9			
2,4-Dinitrotoluene	4.25	0.34	0.036	mg/kg dry	7.07	<0.34	60.2	57.3-86.6			
2-Chlorophenol	3.77	0.70	0.062	mg/kg dry	7.07	<0.70	53.3	43.3-93.2			
4-Chloro-3-methylphenol	4.27	0.70	0.069	mg/kg dry	7.07	<0.70	60.4	47.1-97.6			
4-Nitrophenol	4.69	0.70	0.097	mg/kg dry	7.07	<0.70	66.3	49.3-96.2			
Anthracene	4.33	0.34	0.038	mg/kg dry	7.07	<0.34	61.3	67.5-93.1			M2
Benzo(a)anthracene	4.35	0.34	0.043	mg/kg dry	7.07	<0.34	61.6	59.8-95.7			
Benzo(a)pyrene	3.92	0.34	0.044	mg/kg dry	7.07	<0.34	55.5	59.8-92.7			M2
Chrysene	4.42	0.34	0.046	mg/kg dry	7.07	<0.34	62.5	62.5-94.6			
Fluoranthene	4.25	0.34	0.041	mg/kg dry	7.07	<0.34	60.1	61.3-92.8			M2
Fluorene	4.26	0.34	0.036	mg/kg dry	7.07	<0.34	60.2	62.8-92.6			M2
N-Nitrosodi-n-propylamine	3.99	0.34	0.034	mg/kg dry	7.07	<0.34	56.5	46.9-89.9			
Pentachlorophenol	3.97	0.70	0.081	mg/kg dry	7.07	<0.70	56.2	40.1-95.1			
Phenanthrene	4.43	0.34	0.038	mg/kg dry	7.07	<0.34	62.7	65.2-92.2			M2
Phenol	3.79	0.70	0.072	mg/kg dry	7.07	<0.70	53.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Matrix Spike (B1J1707-MS1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

Surrogate: 2,4,6-Tribromophenol	4.32			mg/kg dry	7.07		61.1	53-107			
Surrogate: 2-Fluorobiphenyl	3.84			mg/kg dry	7.07		54.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.54			mg/kg dry	7.07		50.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.80			mg/kg dry	7.07		53.8	48.9-100			
Surrogate: Phenol-d6	3.81			mg/kg dry	7.07		53.9	50.4-99.6			
Surrogate: Terphenyl-d14	3.72			mg/kg dry	7.07		52.6	51-99.6			

Matrix Spike Dup (B1J1707-MSD1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	4.71	0.34	0.032	mg/kg dry	7.06	<0.34	66.7	44.8-97.9	19.2	19.6	
1,4-Dichlorobenzene	4.19	0.34	0.030	mg/kg dry	7.06	<0.34	59.4	42.3-77.9	18.7	22.4	
2,4-Dinitrotoluene	5.17	0.34	0.036	mg/kg dry	7.06	<0.34	73.2	57.3-86.6	19.5	19.5	
2-Chlorophenol	4.63	0.70	0.062	mg/kg dry	7.06	<0.70	65.5	43.3-93.2	20.4	23.7	
4-Chloro-3-methylphenol	5.19	0.70	0.069	mg/kg dry	7.06	<0.70	73.5	47.1-97.6	19.6	18.3	QR-04
4-Nitrophenol	5.88	0.70	0.097	mg/kg dry	7.06	<0.70	83.3	49.3-96.2	22.6	20.4	QR-04
Anthracene	5.26	0.34	0.038	mg/kg dry	7.06	<0.34	74.5	67.5-93.1	19.3	19.9	
Benzo(a)anthracene	5.34	0.34	0.043	mg/kg dry	7.06	<0.34	75.6	59.8-95.7	20.4	23.4	
Benzo(a)pyrene	4.84	0.34	0.044	mg/kg dry	7.06	<0.34	68.6	59.8-92.7	21.0	21.1	
Chrysene	5.47	0.34	0.046	mg/kg dry	7.06	<0.34	77.4	62.5-94.6	21.2	24.8	
Fluoranthene	5.08	0.34	0.041	mg/kg dry	7.06	<0.34	71.9	61.3-92.8	17.8	21.8	
Fluorene	5.09	0.34	0.036	mg/kg dry	7.06	<0.34	72.1	62.8-92.6	17.9	17.6	QR-04
N-Nitrosodi-n-propylamine	4.86	0.34	0.034	mg/kg dry	7.06	<0.34	68.8	46.9-89.9	19.6	18.9	QR-04
Pentachlorophenol	4.93	0.70	0.081	mg/kg dry	7.06	<0.70	69.8	40.1-95.1	21.5	19.7	QR-04
Phenanthrene	5.35	0.34	0.038	mg/kg dry	7.06	<0.34	75.8	65.2-92.2	18.8	20.5	
Phenol	4.57	0.70	0.072	mg/kg dry	7.06	<0.70	64.7	44.7-91	18.7	17.9	QR-04
Surrogate: 2,4,6-Tribromophenol	5.42			mg/kg dry	7.06		76.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.58			mg/kg dry	7.06		64.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.38			mg/kg dry	7.06		62.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.64			mg/kg dry	7.06		65.7	48.9-100			
Surrogate: Phenol-d6	4.79			mg/kg dry	7.06		67.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.63			mg/kg dry	7.06		65.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1207 - EPA 5035 Soil (Purge and Trap)

Blank (B1J1207-BLK1)

Prepared & Analyzed: 10/12/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1207 - EPA 5035 Soil (Purge and Trap)

Blank (B1J1207-BLK1)

Prepared & Analyzed: 10/12/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	45.7			ug/L	50.0		91.4	80-124			
Surrogate: Dibromofluoromethane	47.8			ug/L	50.0		95.7	77.1-123			
Surrogate: Toluene-d8	46.7			ug/L	50.0		93.4	78.1-125			

LCS (B1J1207-BS1)

Prepared & Analyzed: 10/12/11

1,1,2,2-Tetrachloroethane	47.0			ug/L	50.0		94.0	75-120			
1,1-Dichloroethane	44.6			ug/L	50.0		89.1	79.6-120			
1,1-Dichloroethene	42.2			ug/L	50.0		84.4	78.3-120			
1,3,5-Trimethylbenzene	47.1			ug/L	50.0		94.2	77-120			
1,4-Dichlorobenzene	48.3			ug/L	50.0		96.7	75-125			
2-Chlorotoluene	47.1			ug/L	50.0		94.2	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1207 - EPA 5035 Soil (Purge and Trap)

LCS (B1J1207-BS1)

Prepared & Analyzed: 10/12/11

Benzene	45.1			ug/L	50.0		90.3	80-120			
Bromoform	47.5			ug/L	50.0		94.9	80-120			
Chlorobenzene	47.6			ug/L	50.0		95.1	80-120			
Chloroform	44.7			ug/L	50.0		89.4	80-120			
Ethylbenzene	47.4			ug/L	50.0		94.8	80-120			
n-Butylbenzene	47.2			ug/L	50.0		94.4	75-125			
n-Propylbenzene	47.0			ug/L	50.0		94.0	75-120			
Toluene	45.7			ug/L	50.0		91.3	80-120			
Trichloroethene	46.6			ug/L	50.0		93.2	80-120			
Vinyl chloride	48.0			ug/L	50.0		96.0	75-130			
Surrogate: 4-Bromofluorobenzene	47.0			ug/L	50.0		94.0	80-124			
Surrogate: Dibromofluoromethane	46.3			ug/L	50.0		92.5	77.1-123			
Surrogate: Toluene-d8	46.0			ug/L	50.0		92.0	78.1-125			

Matrix Spike (B1J1207-MS1)

Source: 1104850-03

Prepared & Analyzed: 10/12/11

1,1,2,2-Tetrachloroethane	48.3			ug/L	50.0	<	96.6	75-125			
1,1-Dichloroethane	44.3			ug/L	50.0	<	88.7	78.7-123			
1,1-Dichloroethene	42.7			ug/L	50.0	<	85.5	75.8-121			
1,3,5-Trimethylbenzene	46.2			ug/L	50.0	<	92.4	75-120			
1,4-Dichlorobenzene	48.1			ug/L	50.0	<	96.2	75-125			
2-Chlorotoluene	46.6			ug/L	50.0	<	93.1	75-120			
Benzene	44.6			ug/L	50.0	<	89.3	80-120			
Bromoform	48.2			ug/L	50.0	<	96.4	80-120			
Chlorobenzene	47.3			ug/L	50.0	<	94.7	80-120			
Chloroform	43.8			ug/L	50.0	<	87.7	80-120			
Ethylbenzene	46.6			ug/L	50.0	<	93.1	80-120			
n-Butylbenzene	48.0			ug/L	50.0	<	96.1	73.8-125			
n-Propylbenzene	46.6			ug/L	50.0	<	93.3	75-120			
Toluene	45.4			ug/L	50.0	<	90.8	80-120			
Trichloroethene	45.7			ug/L	50.0	<	91.5	80-120			
Vinyl chloride	46.6			ug/L	50.0	<	93.2	74.8-130			
Surrogate: 4-Bromofluorobenzene	48.0			ug/L	50.0		96.0	80-124			
Surrogate: Dibromofluoromethane	47.7			ug/L	50.0		95.4	77.1-123			
Surrogate: Toluene-d8	47.1			ug/L	50.0		94.1	78.1-125			

Matrix Spike Dup (B1J1207-MSD1)

Source: 1104850-03

Prepared & Analyzed: 10/12/11

1,1,2,2-Tetrachloroethane	48.4			ug/L	50.0	<	96.8	75-125	0.196	20	
1,1-Dichloroethane	43.7			ug/L	50.0	<	87.4	78.7-123	1.48	20	
1,1-Dichloroethene	43.3			ug/L	50.0	<	86.6	75.8-121	1.31	20	
1,3,5-Trimethylbenzene	48.1			ug/L	50.0	<	96.2	75-120	4.05	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1207 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1J1207-MSD1)		Source: 1104850-03			Prepared & Analyzed: 10/12/11						
1,4-Dichlorobenzene	48.5			ug/L	50.0	<	96.9	75-125	0.774	20	
2-Chlorotoluene	47.2			ug/L	50.0	<	94.5	75-120	1.45	20	
Benzene	45.1			ug/L	50.0	<	90.3	80-120	1.07	20	
Bromoform	51.1			ug/L	50.0	<	102	80-120	5.88	20	
Chlorobenzene	49.5			ug/L	50.0	<	99.1	80-120	4.56	20	
Chloroform	43.4			ug/L	50.0	<	86.9	80-120	0.920	20	
Ethylbenzene	49.2			ug/L	50.0	<	98.3	80-120	5.43	20	
n-Butylbenzene	47.7			ug/L	50.0	<	95.4	73.8-125	0.679	20	
n-Propylbenzene	47.8			ug/L	50.0	<	95.6	75-120	2.44	20	
Toluene	45.7			ug/L	50.0	<	91.4	80-120	0.643	20	
Trichloroethene	46.7			ug/L	50.0	<	93.4	80-120	2.09	20	
Vinyl chloride	45.0			ug/L	50.0	<	90.1	74.8-130	3.42	20	
Surrogate: 4-Bromofluorobenzene	47.7			ug/L	50.0		95.3	80-124			
Surrogate: Dibromofluoromethane	47.2			ug/L	50.0		94.5	77.1-123			
Surrogate: Toluene-d8	46.7			ug/L	50.0		93.4	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104855 Date Reported: 10/19/11
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Notes and Definitions

- T-1 MDH does not offer certification for this parameter.
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- QR-04 The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
- M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR 1104655

Project Number: 2319-1092-00 4881 5708

Project Name: UMore - Stage 2 Navy / 66

Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 31541

COC 1 of 03

Project Manager: JME

Project QC Contact: AAN

Sampled by: KLB

Laboratory: Legend

Analyze Reagents
metals + SVOCs

ID	Location	Start Depth (ft)	Stop Depth (ft)	Depth Unit (ft, in, or ft-in)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type		On Ice?	Date	Time	Number of Containers/Preservative										Date	Time						
							Water	Soil				VOCs (HCl) #1	VOCs (unpreserved) #2	Dissolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	VOCs (Iared MeOH) #1	GRO, BTEX (Iared MeOH) #1	DRD (Iared unpreserved)			Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)			
01	RASB-TT3	1.5	1.5	ft	10/10/2011	0800	X	X	X	10/11/11	0600	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10/11/11	0600
02	M-1	-	-	-	-	-	X	X	X	10/11/11	0600	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10/11/11	0600
03	RASB-TT4	1.5	1.5	ft	10/10/2011	1830	X	X	X	10/11/11	0600	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10/11/11	0600
04	RASB-TT5	1.5	1.5	ft	10/10/2011	0850	X	X	X	10/11/11	0600	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10/11/11	0600
05	RASB-TT1	1.5	1.5	ft	10/10/2011	0910	X	X	X	10/11/11	0600	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10/11/11	0600
06	RASB-TT6	1.5	1.5	ft	10/10/2011	10:00	X	X	X	10/11/11	0600	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10/11/11	0600
07	AF12-TD	2	2	ft	10/10/2011	0930	X	X	X	10/11/11	0600	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10/11/11	0600
08	AF12-TT1	4	6	ft	10/10/2011	0945	X	X	X	10/11/11	0600	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10/11/11	0600
09	Trip Blank	-	-	-	-	-	X	X	X	10/11/11	0600	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10/11/11	0600
10	B6-TT4	3	3	ft	10/10/2011	1015	X	X	X	10/11/11	0600	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	10/11/11	0600

Relinquished By: Best Schumpke Date: 10/11/11 Time: 0600

Relinquished By: _____ Date: _____ Time: _____

Samples Shipped Via: Air Freight Federal Express Other: _____

Common Parameter/Container - Preservation Key:
 #1 - Volatile Organics = BTEX, GRO TPH, B260 Full LH
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, B270 Full LH, Herbicide/Pesticide/PCB
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Chain of Custody
 1104855

BARR
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

Project Number: 2319-1092.00 48R1 520
 Project Name: UMore - Stage 2, Navy/B6
 Sample Origin: State of MN (use two letter postal state abbreviation)
 COC Number: NO 29004

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Ice?	Date	Time
						Soil	Water			
1. 1RASB-TT7	1.5	1.5	ft	10/10/2011	10:30	X	X	X	10/11/11	06:00
2. 2RASB-TT8	1.5	1.5			12:00	X	X	X		
3. 3RASB-TT2	1.5	1.5			13:00	X	X	X		
4. 410SD-TT14	0.5	0.5			10:45	X	X	X		
5. 510SD-TT13					11:00	X	X	X		
6. 610SD-TT15					11:15	X	X	X		
7. 710SD-TT9A	5	5			11:30	X	X	X		
8. 810SD-TT10	0.5	0.5			12:00	X	X	X		
9. 910SD-TT12	0.5	0.5			13:00	X	X	X		
10. 1010SD-TT10	0.5	0.5			13:15	X	X	X		

Common Parameters/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, BOD Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxin, BZD
 Full List, Herbicide/Fungicide/PCBs
 #3 - General = pH, Chloride, Fluoride, Aluminum, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phosphate, Ammonia Nitrogen, TN

Shipped By: *Christ Schaefer*
 Requisitioned By:
 Samples Shipped Via: Air Freight Federal Express Sampler Other:
 Designation: White-Original, Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Number of Containers/Preservative		Total Number Of Containers	Date	Time
Water	Soil			
VOCs (HCl) #1				
SVOCs (unpreserved) #2				
Disolved Metals (HNO3)				
Total Metals (HNO3)				
Generals (unpreserved) #3				
Diethyl Range Organics (HCl)				
Nutrients (H2SO4) #4				
VOCs (Iared MOOH) #1				
GRO, BTEX (Iared MOOH) #1				
DRO (Iared unpreserved)				
Metals (unpreserved)				
SVOCs (unpreserved) #2				
# Solids (plastic vial, unpres.)				

COC 2011
 Project Manager: JME
 Project OC Contact: AAN
 Sampled by: KEB
 Laboratory: Legend

Analyze PCBs
 Metals & SVOCs
 Analyze PCBs
 Nutrients
 PCBs, Metals & SVOCs

Received by: *Christ Schaefer*
 Date: 10/11/11
 Time: 10:30
 Air Bill Number:
 HPL/GSTP/CRASH/CMH OF CUSTODY FORM 2009 REL3 FORM 0907108

LEGEND

Technical Services, Inc.

www.legend-group.com

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Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR

Project Number: 23/19-109200 48R1 520 10/11/11

Project Name: AMore RI - Stage 2, Navy/BG

Sample Origination State MN (use two letter postal state abbreviation)

COC Number: NO 3736

1104855
1104855
10/11/11

COC 13 of 30

Project Manager: JME

Project QC Contact: AAN

Sampled by: KCB

Laboratory: Legend

Number of Containers/Preservative

Water		Soil	
VOCs (HCl) #1		VOCs (lared MeOH) #1	
Disolved Metals (HNO ₃)		GR0, BTEX (lared MeOH) #1	
General (unpreserved) #3		DRO (lared unpreserved)	
Total Metals (HNO ₃)		Metals (unpreserved)	
Dield Range Organics (HCl)		SVOCS (unpreserved) #2	
Nutrients (H ₂ SO ₄) #4		% Solids (plastic vial, unpres.)	

Total Number Of Containers

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			On Ice? (Y/N)	Retinquired By: <u>Just Sample</u>	Retinquired By: <u>Kelly Fruehan</u>	Received by: <u>Kelly Fruehan</u>	Date	Time
						Water	Soil	Grab						
10SD-TT17	21 0.5	0.5	ft	10/10/11	1400				Y					
10SD-TT11	22 0.5	0.5	ft		1430	X	X		Y					
10SD-TT3A	23 2	2	ft		1500	X	X		Y					
10SD-TT16	24 0.5	0.5	ft		1530	X	X		Y					
10SD-TT18	24 0.5	0.5	ft		1545	X	X		Y					
10/11/11														
7.														
8.														
9.														
10.														

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GR0 TPH, 8260 Full List

#2 - Semivolatile Organics = PAHs, PCB Dioxins, 8270 Full List, Herbicide/Pesticide/PCB

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TEN

1:200 PR CUSTODIAN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104901
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/12/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "T-LE".

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
923A-TT3_0.5-0.5	1104901-01	Soil	10/11/11 14:30	10/12/11 11:40
923A-TT2_0.5-0.5	1104901-02	Soil	10/11/11 14:20	10/12/11 11:40
923A-TT1_0.5-0.5	1104901-03	Soil	10/11/11 14:40	10/12/11 11:40

Shipping Container Information

Default Cooler Temperature (°C): 3.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Recoveries for the 8270 matrix spike compounds anthracene, benzo(a)pyrene, fluoranthene, fluorene, and phenanthrene were below laboratory limits in the batch B1J1707 MS. The MS/MSD %RPDs were outside laboratory limits for several compounds. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
923A-TT3_0.5-0.5 (1104901-01) Soil Sampled: 10/11/11 14:30 Received: 10/12/11 11:40										
Arsenic	3.0	0.52	0.057	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Barium	45	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	12	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	6.4	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1J1313	10/13/11	10/18/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
923A-TT2_0.5-0.5 (1104901-02) Soil Sampled: 10/11/11 14:20 Received: 10/12/11 11:40										
Arsenic	2.7	0.51	0.056	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Barium	26	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	8.6	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	6.4	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1J1313	10/13/11	10/18/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
923A-TT1_0.5-0.5 (1104901-03) Soil Sampled: 10/11/11 14:40 Received: 10/12/11 11:40										
Arsenic	3.2	0.51	0.056	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Barium	33	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	13	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	5.2	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1J1313	10/13/11	10/18/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
923A-TT3_0.5-0.5 (1104901-01) Soil Sampled: 10/11/11 14:30 Received: 10/12/11 11:40										
% Solids	96			%	1	B1J1406	10/14/11	10/14/11	% calculation	
923A-TT2_0.5-0.5 (1104901-02) Soil Sampled: 10/11/11 14:20 Received: 10/12/11 11:40										
% Solids	99			%	1	B1J1406	10/14/11	10/14/11	% calculation	
923A-TT1_0.5-0.5 (1104901-03) Soil Sampled: 10/11/11 14:40 Received: 10/12/11 11:40										
% Solids	99			%	1	B1J1406	10/14/11	10/14/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
923A-TT3_0.5-0.5 (1104901-01) Soil Sampled: 10/11/11 14:30 Received: 10/12/11 11:40										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
923A-TT3_0.5-0.5 (1104901-01) Soil Sampled: 10/11/11 14:30 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	77.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	80.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
923A-TT2_0.5-0.5 (1104901-02) Soil Sampled: 10/11/11 14:20 Received: 10/12/11 11:40										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
923A-TT2_0.5-0.5 (1104901-02) Soil Sampled: 10/11/11 14:20 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	90.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
923A-TT1_0.5-0.5 (1104901-03) Soil Sampled: 10/11/11 14:40 Received: 10/12/11 11:40										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
923A-TT1_0.5-0.5 (1104901-03) Soil Sampled: 10/11/11 14:40 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	72.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	66.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	90.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1309 - EPA 3050B

Blank (B1J1309-BLK1)

Prepared & Analyzed: 10/13/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1309-BS1)

Prepared & Analyzed: 10/13/11

Arsenic	39.5	0.50	0.055	mg/kg wet	39.9		99.1	80-120			
Barium	41.5	1.0	0.060	mg/kg wet	39.9		104	80-120			
Cadmium	39.4	0.25	0.033	mg/kg wet	39.9		98.9	80-120			
Chromium	39.8	0.50	0.012	mg/kg wet	39.9		99.9	80-120			
Lead	41.0	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	39.8	1.0	0.095	mg/kg wet	39.9		99.8	80-120			
Silver	3.97	0.25	0.016	mg/kg wet	3.99		99.5	80-120			

LCS Dup (B1J1309-BSD1)

Prepared & Analyzed: 10/13/11

Arsenic	39.6	0.50	0.055	mg/kg wet	39.9		99.3	80-120	0.138	20	
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120	0.538	20	
Cadmium	39.6	0.25	0.033	mg/kg wet	39.9		99.1	80-120	0.282	20	
Chromium	39.8	0.50	0.012	mg/kg wet	39.9		99.8	80-120	0.0281	20	
Lead	41.1	1.0	0.14	mg/kg wet	39.9		103	80-120	0.219	20	
Selenium	39.9	1.0	0.095	mg/kg wet	39.9		100	80-120	0.279	20	
Silver	3.96	0.25	0.016	mg/kg wet	3.99		99.3	80-120	0.134	20	

Matrix Spike (B1J1309-MS1)

Source: 1104855-20

Prepared & Analyzed: 10/13/11

Arsenic	39.5	0.51	0.056	mg/kg dry	39.1	2.83	93.7	75-125			
Barium	79.9	1.0	0.061	mg/kg dry	39.1	39.7	103	75-125			
Cadmium	37.0	0.26	0.034	mg/kg dry	39.1	<0.26	94.3	75-125			
Chromium	52.2	0.51	0.012	mg/kg dry	39.1	12.5	101	75-125			
Lead	50.8	1.0	0.14	mg/kg dry	39.1	13.3	96.0	75-125			
Selenium	36.4	1.0	0.097	mg/kg dry	39.1	<1.0	93.2	75-125			
Silver	3.61	0.26	0.016	mg/kg dry	3.91	<0.26	92.3	75-125			

Matrix Spike Dup (B1J1309-MSD1)

Source: 1104855-20

Prepared & Analyzed: 10/13/11

Arsenic	39.2	0.51	0.056	mg/kg dry	39.5	2.83	92.0	75-125	0.718	20	
Barium	82.5	1.0	0.061	mg/kg dry	39.5	39.7	108	75-125	3.19	20	
Cadmium	36.6	0.26	0.034	mg/kg dry	39.5	<0.26	92.3	75-125	0.986	20	
Chromium	51.8	0.51	0.012	mg/kg dry	39.5	12.5	99.5	75-125	0.634	20	
Lead	49.6	1.0	0.14	mg/kg dry	39.5	13.3	92.0	75-125	2.37	20	
Selenium	36.2	1.0	0.097	mg/kg dry	39.5	<1.0	91.5	75-125	0.674	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1309 - EPA 3050B											
Matrix Spike Dup (B1J1309-MSD1)			Source: 1104855-20			Prepared & Analyzed: 10/13/11					
Silver	3.54	0.26	0.016	mg/kg dry	3.95	<0.26	89.6	75-125	1.89	20	
Batch B1J1313 - EPA 7471A											
Blank (B1J1313-BLK1)						Prepared: 10/13/11 Analyzed: 10/17/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1313-BS1)						Prepared: 10/13/11 Analyzed: 10/17/11					
Mercury	0.205	0.10	0.019	mg/kg wet	0.200		102	80-120			
LCS Dup (B1J1313-BSD1)						Prepared: 10/13/11 Analyzed: 10/17/11					
Mercury	0.222	0.10	0.019	mg/kg wet	0.200		111	80-120	7.96	20	
Matrix Spike (B1J1313-MS1)			Source: 1104851-01			Prepared: 10/13/11 Analyzed: 10/17/11					
Mercury	0.244	0.11	0.021	mg/kg dry	0.216	<0.11	96.4	75-125			
Matrix Spike Dup (B1J1313-MSD1)			Source: 1104851-01			Prepared: 10/13/11 Analyzed: 10/17/11					
Mercury	0.272	0.11	0.021	mg/kg dry	0.229	<0.11	103	75-125	10.7	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1406 - General Preparation											
Duplicate (B1J1406-DUP1)											
% Solids	99.0			%		99.0			0.00	20	
Duplicate (B1J1406-DUP2)											
% Solids	88.0			%		89.0			1.13	20	
Duplicate (B1J1406-DUP3)											
% Solids	91.0			%		92.0			1.09	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Blank (B1J1707-BLK1)

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Blank (B1J1707-BLK1)

Prepared & Analyzed: 10/17/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.66			mg/kg wet	6.67		70.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.06			mg/kg wet	6.67		61.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.94			mg/kg wet	6.67		59.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.11			mg/kg wet	6.67		61.7	48.9-100			
Surrogate: Phenol-d6	4.58			mg/kg wet	6.67		68.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.27			mg/kg wet	6.67		64.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

LCS (B1J1707-BS1)

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	3.95	0.33	0.031	mg/kg wet	6.67		59.3	59.1-87.7			
1,4-Dichlorobenzene	3.49	0.33	0.029	mg/kg wet	6.67		52.3	50.3-72.9			
2,4-Dinitrotoluene	4.69	0.33	0.035	mg/kg wet	6.67		70.3	59.8-82.2			
2-Chlorophenol	4.16	0.67	0.060	mg/kg wet	6.67		62.4	59.7-77.3			
4-Chloro-3-methylphenol	4.73	0.67	0.066	mg/kg wet	6.67		70.9	63.6-80.4			
4-Nitrophenol	5.39	0.67	0.093	mg/kg wet	6.67		80.8	57.3-84.9			
Anthracene	4.85	0.33	0.036	mg/kg wet	6.67		72.8	67.3-88			
Benzo(a)anthracene	5.15	0.33	0.041	mg/kg wet	6.67		77.2	66.5-90.5			
Benzo(a)pyrene	4.83	0.33	0.042	mg/kg wet	6.67		72.4	66.1-89.7			
Chrysene	5.21	0.33	0.044	mg/kg wet	6.67		78.1	65.5-90.5			
Fluoranthene	4.80	0.33	0.039	mg/kg wet	6.67		71.9	66.7-89.9			
Fluorene	4.54	0.33	0.035	mg/kg wet	6.67		68.2	66.2-85.6			
N-Nitrosodi-n-propylamine	4.10	0.33	0.033	mg/kg wet	6.67		61.5	59.4-78			
Pentachlorophenol	3.83	0.67	0.078	mg/kg wet	6.67		57.4	46.7-83.2			
Phenanthrene	4.82	0.33	0.036	mg/kg wet	6.67		72.3	67.5-87.9			
Phenol	4.30	0.67	0.069	mg/kg wet	6.67		64.5	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.68			mg/kg wet	6.67		70.2	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	3.98			mg/kg wet	6.67		59.7	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	3.66			mg/kg wet	6.67		54.9	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	3.94			mg/kg wet	6.67		59.1	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.12			mg/kg wet	6.67		61.8	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.53			mg/kg wet	6.67		67.9	51-99.6			

Matrix Spike (B1J1707-MS1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	3.88	0.34	0.032	mg/kg dry	7.07	<0.34	55.0	44.8-97.9			
1,4-Dichlorobenzene	3.48	0.34	0.030	mg/kg dry	7.07	<0.34	49.2	42.3-77.9			
2,4-Dinitrotoluene	4.25	0.34	0.036	mg/kg dry	7.07	<0.34	60.2	57.3-86.6			
2-Chlorophenol	3.77	0.70	0.062	mg/kg dry	7.07	<0.70	53.3	43.3-93.2			
4-Chloro-3-methylphenol	4.27	0.70	0.069	mg/kg dry	7.07	<0.70	60.4	47.1-97.6			
4-Nitrophenol	4.69	0.70	0.097	mg/kg dry	7.07	<0.70	66.3	49.3-96.2			
Anthracene	4.33	0.34	0.038	mg/kg dry	7.07	<0.34	61.3	67.5-93.1			M2
Benzo(a)anthracene	4.35	0.34	0.043	mg/kg dry	7.07	<0.34	61.6	59.8-95.7			
Benzo(a)pyrene	3.92	0.34	0.044	mg/kg dry	7.07	<0.34	55.5	59.8-92.7			M2
Chrysene	4.42	0.34	0.046	mg/kg dry	7.07	<0.34	62.5	62.5-94.6			
Fluoranthene	4.25	0.34	0.041	mg/kg dry	7.07	<0.34	60.1	61.3-92.8			M2
Fluorene	4.26	0.34	0.036	mg/kg dry	7.07	<0.34	60.2	62.8-92.6			M2
N-Nitrosodi-n-propylamine	3.99	0.34	0.034	mg/kg dry	7.07	<0.34	56.5	46.9-89.9			
Pentachlorophenol	3.97	0.70	0.081	mg/kg dry	7.07	<0.70	56.2	40.1-95.1			
Phenanthrene	4.43	0.34	0.038	mg/kg dry	7.07	<0.34	62.7	65.2-92.2			M2
Phenol	3.79	0.70	0.072	mg/kg dry	7.07	<0.70	53.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Matrix Spike (B1J1707-MS1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

Surrogate: 2,4,6-Tribromophenol	4.32			mg/kg dry	7.07		61.1	53-107			
Surrogate: 2-Fluorobiphenyl	3.84			mg/kg dry	7.07		54.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.54			mg/kg dry	7.07		50.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.80			mg/kg dry	7.07		53.8	48.9-100			
Surrogate: Phenol-d6	3.81			mg/kg dry	7.07		53.9	50.4-99.6			
Surrogate: Terphenyl-d14	3.72			mg/kg dry	7.07		52.6	51-99.6			

Matrix Spike Dup (B1J1707-MSD1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	4.71	0.34	0.032	mg/kg dry	7.06	<0.34	66.7	44.8-97.9	19.2	19.6	
1,4-Dichlorobenzene	4.19	0.34	0.030	mg/kg dry	7.06	<0.34	59.4	42.3-77.9	18.7	22.4	
2,4-Dinitrotoluene	5.17	0.34	0.036	mg/kg dry	7.06	<0.34	73.2	57.3-86.6	19.5	19.5	
2-Chlorophenol	4.63	0.70	0.062	mg/kg dry	7.06	<0.70	65.5	43.3-93.2	20.4	23.7	
4-Chloro-3-methylphenol	5.19	0.70	0.069	mg/kg dry	7.06	<0.70	73.5	47.1-97.6	19.6	18.3	QR-04
4-Nitrophenol	5.88	0.70	0.097	mg/kg dry	7.06	<0.70	83.3	49.3-96.2	22.6	20.4	QR-04
Anthracene	5.26	0.34	0.038	mg/kg dry	7.06	<0.34	74.5	67.5-93.1	19.3	19.9	
Benzo(a)anthracene	5.34	0.34	0.043	mg/kg dry	7.06	<0.34	75.6	59.8-95.7	20.4	23.4	
Benzo(a)pyrene	4.84	0.34	0.044	mg/kg dry	7.06	<0.34	68.6	59.8-92.7	21.0	21.1	
Chrysene	5.47	0.34	0.046	mg/kg dry	7.06	<0.34	77.4	62.5-94.6	21.2	24.8	
Fluoranthene	5.08	0.34	0.041	mg/kg dry	7.06	<0.34	71.9	61.3-92.8	17.8	21.8	
Fluorene	5.09	0.34	0.036	mg/kg dry	7.06	<0.34	72.1	62.8-92.6	17.9	17.6	QR-04
N-Nitrosodi-n-propylamine	4.86	0.34	0.034	mg/kg dry	7.06	<0.34	68.8	46.9-89.9	19.6	18.9	QR-04
Pentachlorophenol	4.93	0.70	0.081	mg/kg dry	7.06	<0.70	69.8	40.1-95.1	21.5	19.7	QR-04
Phenanthrene	5.35	0.34	0.038	mg/kg dry	7.06	<0.34	75.8	65.2-92.2	18.8	20.5	
Phenol	4.57	0.70	0.072	mg/kg dry	7.06	<0.70	64.7	44.7-91	18.7	17.9	QR-04
Surrogate: 2,4,6-Tribromophenol	5.42			mg/kg dry	7.06		76.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.58			mg/kg dry	7.06		64.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.38			mg/kg dry	7.06		62.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.64			mg/kg dry	7.06		65.7	48.9-100			
Surrogate: Phenol-d6	4.79			mg/kg dry	7.06		67.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.63			mg/kg dry	7.06		65.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104901 Date Reported: 10/19/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
QR-04	The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR

Project Number: 2319-1092.00 H&R1 820
Project Name: W. More R1, Stage 2, ~~Rocky Point~~ Navy/66
Sample Origin: State MN (use two letter postal state abbreviation)
COC Number: N0 29030

1104901

COC 1 of 1

Project Manager: JME
Project QC Contact: AATN
Sampled by: KCB
Laboratory: Legend

Number of Containers/Preservative

Water		Soil	
VOCA (HCl) #2	VOCA (unpreserved) #3	VOCA (lared MeOH) #1	VOCA (unpreserved) #2
Disolved Metals (HNO3)	General (unpreserved) #3	DRO (lared unpreserved)	Metals (unpreserved)
Total Metals (HNO3)	Dioxin Range Organics (HCl)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)
Nutrients (H2SO4) #4			

Location	Start Depth (Depth)	Stop Depth (Depth)	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type
						Soil	Water	
1. 923A-T12	0.5	0.5	ft	10/11/2011	1430	X		A
2. 923A-T12	0.5	0.5	ft	↓	1420	Y		Y
3. 923A-T1	0.5	0.5	ft	↓	1440	X		A
4.								
5.								
6.								
7.								
8.								
9.								
10.								

Relinquished By: West-Schiffke Date: 10/21/11 Time: 0525

Relinquished By: Y N Date: 10/21/11 Time: 0525

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____

Received by: Wally Grober Date: 10/24/11 Time: 1140

Received by: Wally Grober Date: 10/24/11 Time: 1140

Air Bill Number: _____

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Rail List

#2 - Semi-volatile Organics = PAHs, PCB, Dioxins, 8270 Rail List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfide

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

3200 H custody



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 20, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104902
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/12/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink that reads "TRIE T L E".

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104902 Date Reported: 10/20/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
501F1-TT4_2-2	1104902-01	Soil	10/11/11 11:15	10/12/11 11:40
501F1-TT3_0.5-0.5	1104902-02	Soil	10/11/11 12:15	10/12/11 11:40
501F1-TT2A_5-5	1104902-03	Soil	10/11/11 12:45	10/12/11 11:40
501F1-TT5_0.5-0.5	1104902-04	Soil	10/11/11 00:00	10/12/11 11:40
501C-TT1_3-3	1104902-05	Soil	10/11/11 10:30	10/12/11 11:40
501C-TT1_0.5-0.5	1104902-06	Soil	10/11/11 10:15	10/12/11 11:40
M-2	1104902-07	Soil	10/11/11 00:00	10/12/11 11:40
M-3	1104902-08	Soil	10/11/11 00:00	10/12/11 11:40
501A2-TT1_2-2	1104902-09	Soil	10/11/11 14:45	10/12/11 11:40

Shipping Container Information

Default Cooler Temperature (°C): 3.2
 Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Recoveries for the 8270 matrix spike compounds anthracene, benzo(a)pyrene, fluoranthene, fluorene, and phenanthrene were below laboratory limits in the batch B1J1707 MS. The MS/MSD %RPDs were outside laboratory limits for several compounds. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104902 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501C-TT1_3-3 (1104902-05) Soil Sampled: 10/11/11 10:30 Received: 10/12/11 11:40										
Arsenic	1.6	0.47	0.052	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Barium	19	0.94	0.057	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.031	mg/kg dry	1	"	"	"	"	
Chromium	8.2	0.47	0.011	mg/kg dry	1	"	"	"	"	
Lead	1.7	0.94	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.091	0.091	0.017	mg/kg dry	1	B1J1313	10/13/11	10/18/11	EPA 7471A	
Selenium	<0.94	0.94	0.090	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
501C-TT1_0.5-0.5 (1104902-06) Soil Sampled: 10/11/11 10:15 Received: 10/12/11 11:40										
Arsenic	5.2	0.55	0.060	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Barium	98	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	15	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	17	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	0.20	0.093	0.018	mg/kg dry	1	B1J1313	10/13/11	10/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
M-2 (1104902-07) Soil Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
Arsenic	5.4	0.54	0.060	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Barium	95	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	15	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	14	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	0.17	0.11	0.021	mg/kg dry	1	B1J1313	10/13/11	10/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
M-3 (1104902-08) Soil Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
Arsenic	1.5	0.48	0.053	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Barium	23	0.96	0.057	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	6.5	0.48	0.011	mg/kg dry	1	"	"	"	"	
Lead	1.7	0.96	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1313	10/13/11	10/18/11	EPA 7471A	
Selenium	<0.96	0.96	0.091	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104902 Date Reported: 10/20/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1-TT4_2-2 (1104902-01) Soil Sampled: 10/11/11 11:15 Received: 10/12/11 11:40										
Aroclor 1016	<0.24	0.24	0.0094	mg/kg dry	1	B1J1702	10/17/11	10/18/11	EPA 8082	
Aroclor 1221	<0.24	0.24	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.24	0.24	0.027	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.24	0.24	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.24	0.24	0.048	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.24	0.24	0.048	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.24	0.24	0.0070	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	86.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	85.0			60.9-138 %		"	"	"	"	
501F1-TT3_0.5-0.5 (1104902-02) Soil Sampled: 10/11/11 12:15 Received: 10/12/11 11:40										
Aroclor 1016	<0.21	0.21	0.0084	mg/kg dry	1	B1J1702	10/17/11	10/18/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	1.9	0.85	0.025	mg/kg dry	4	"	"	10/19/11	"	
Surrogate: Decachlorobiphenyl	81.5			65.3-143 %		"	"	10/18/11	"	
Surrogate: Tetrachloro-meta-xylene	91.5			60.9-138 %		"	"	"	"	
501F1-TT2A_5-5 (1104902-03) Soil Sampled: 10/11/11 12:45 Received: 10/12/11 11:40										
Aroclor 1016	<0.20	0.20	0.0081	mg/kg dry	1	B1J1702	10/17/11	10/18/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	85.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	92.0			60.9-138 %		"	"	"	"	
501F1-TT5_0.5-0.5 (1104902-04) Soil Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
Aroclor 1016	<0.21	0.21	0.0084	mg/kg dry	1	B1J1702	10/17/11	10/18/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0063	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	87.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	94.0			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104902 Date Reported: 10/20/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1-TT4_2-2 (1104902-01) Soil Sampled: 10/11/11 11:15 Received: 10/12/11 11:40										
% Solids	84			%	1	B1J1706	10/17/11	10/17/11	% calculation	
501F1-TT3_0.5-0.5 (1104902-02) Soil Sampled: 10/11/11 12:15 Received: 10/12/11 11:40										
% Solids	94			%	1	B1J1706	10/17/11	10/17/11	% calculation	
501F1-TT2A_5-5 (1104902-03) Soil Sampled: 10/11/11 12:45 Received: 10/12/11 11:40										
% Solids	98			%	1	B1J1706	10/17/11	10/17/11	% calculation	
501F1-TT5_0.5-0.5 (1104902-04) Soil Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
% Solids	94			%	1	B1J1706	10/17/11	10/17/11	% calculation	
501C-TT1_3-3 (1104902-05) Soil Sampled: 10/11/11 10:30 Received: 10/12/11 11:40										
% Solids	99			%	1	B1J1706	10/17/11	10/17/11	% calculation	
501C-TT1_0.5-0.5 (1104902-06) Soil Sampled: 10/11/11 10:15 Received: 10/12/11 11:40										
% Solids	91			%	1	B1J1706	10/17/11	10/17/11	% calculation	
M-2 (1104902-07) Soil Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
% Solids	92			%	1	B1J1706	10/17/11	10/17/11	% calculation	
M-3 (1104902-08) Soil Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
% Solids	99			%	1	B1J1706	10/17/11	10/17/11	% calculation	
501A2-TT1_2-2 (1104902-09) Soil Sampled: 10/11/11 14:45 Received: 10/12/11 11:40										
% Solids	98			%	1	B1J1706	10/17/11	10/17/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104902 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-TT1_2-2 (1104902-09) Soil Sampled: 10/11/11 14:45 Received: 10/12/11 11:40										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104902 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-TT1_2-2 (1104902-09) Soil Sampled: 10/11/11 14:45 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1707	10/17/11	10/17/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	73.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	93.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104902 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1309 - EPA 3050B

Blank (B1J1309-BLK1)

Prepared & Analyzed: 10/13/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1309-BS1)

Prepared & Analyzed: 10/13/11

Arsenic	39.5	0.50	0.055	mg/kg wet	39.9		99.1	80-120			
Barium	41.5	1.0	0.060	mg/kg wet	39.9		104	80-120			
Cadmium	39.4	0.25	0.033	mg/kg wet	39.9		98.9	80-120			
Chromium	39.8	0.50	0.012	mg/kg wet	39.9		99.9	80-120			
Lead	41.0	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	39.8	1.0	0.095	mg/kg wet	39.9		99.8	80-120			
Silver	3.97	0.25	0.016	mg/kg wet	3.99		99.5	80-120			

LCS Dup (B1J1309-BSD1)

Prepared & Analyzed: 10/13/11

Arsenic	39.6	0.50	0.055	mg/kg wet	39.9		99.3	80-120	0.138	20	
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120	0.538	20	
Cadmium	39.6	0.25	0.033	mg/kg wet	39.9		99.1	80-120	0.282	20	
Chromium	39.8	0.50	0.012	mg/kg wet	39.9		99.8	80-120	0.0281	20	
Lead	41.1	1.0	0.14	mg/kg wet	39.9		103	80-120	0.219	20	
Selenium	39.9	1.0	0.095	mg/kg wet	39.9		100	80-120	0.279	20	
Silver	3.96	0.25	0.016	mg/kg wet	3.99		99.3	80-120	0.134	20	

Matrix Spike (B1J1309-MS1)

Source: 1104855-20

Prepared & Analyzed: 10/13/11

Arsenic	39.5	0.51	0.056	mg/kg dry	39.1	2.83	93.7	75-125			
Barium	79.9	1.0	0.061	mg/kg dry	39.1	39.7	103	75-125			
Cadmium	37.0	0.26	0.034	mg/kg dry	39.1	<0.26	94.3	75-125			
Chromium	52.2	0.51	0.012	mg/kg dry	39.1	12.5	101	75-125			
Lead	50.8	1.0	0.14	mg/kg dry	39.1	13.3	96.0	75-125			
Selenium	36.4	1.0	0.097	mg/kg dry	39.1	<1.0	93.2	75-125			
Silver	3.61	0.26	0.016	mg/kg dry	3.91	<0.26	92.3	75-125			

Matrix Spike Dup (B1J1309-MSD1)

Source: 1104855-20

Prepared & Analyzed: 10/13/11

Arsenic	39.2	0.51	0.056	mg/kg dry	39.5	2.83	92.0	75-125	0.718	20	
Barium	82.5	1.0	0.061	mg/kg dry	39.5	39.7	108	75-125	3.19	20	
Cadmium	36.6	0.26	0.034	mg/kg dry	39.5	<0.26	92.3	75-125	0.986	20	
Chromium	51.8	0.51	0.012	mg/kg dry	39.5	12.5	99.5	75-125	0.634	20	
Lead	49.6	1.0	0.14	mg/kg dry	39.5	13.3	92.0	75-125	2.37	20	
Selenium	36.2	1.0	0.097	mg/kg dry	39.5	<1.0	91.5	75-125	0.674	20	

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 820 Site Wide
 Project Manager: Ms. Andrea Nord

Work Order #: 1104902
 Date Reported: 10/20/11

TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1309 - EPA 3050B											
Matrix Spike Dup (B1J1309-MSD1)	Source: 1104855-20					Prepared & Analyzed: 10/13/11					
Silver	3.54	0.26	0.016	mg/kg dry	3.95	<0.26	89.6	75-125	1.89	20	
Batch B1J1313 - EPA 7471A											
Blank (B1J1313-BLK1)	Prepared: 10/13/11 Analyzed: 10/17/11										
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1313-BS1)	Prepared: 10/13/11 Analyzed: 10/17/11										
Mercury	0.205	0.10	0.019	mg/kg wet	0.200		102	80-120			
LCS Dup (B1J1313-BSD1)	Prepared: 10/13/11 Analyzed: 10/17/11										
Mercury	0.222	0.10	0.019	mg/kg wet	0.200		111	80-120	7.96	20	
Matrix Spike (B1J1313-MS1)	Source: 1104851-01					Prepared: 10/13/11 Analyzed: 10/17/11					
Mercury	0.244	0.11	0.021	mg/kg dry	0.216	<0.11	96.4	75-125			
Matrix Spike Dup (B1J1313-MSD1)	Source: 1104851-01					Prepared: 10/13/11 Analyzed: 10/17/11					
Mercury	0.272	0.11	0.021	mg/kg dry	0.229	<0.11	103	75-125	10.7	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104902 Date Reported: 10/20/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1702 - EPA 3545 ASE Extraction											
Blank (B1J1702-BLK1)											
						Prepared: 10/17/11 Analyzed: 10/18/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0557			mg/kg wet	0.0667		83.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0563			mg/kg wet	0.0667		84.5	60.9-138			
LCS (B1J1702-BS1)											
						Prepared: 10/17/11 Analyzed: 10/18/11					
Aroclor 1260	0.316	0.20	0.0059	mg/kg wet	0.333		94.7	70-130			
Surrogate: Decachlorobiphenyl	0.0587			mg/kg wet	0.0667		88.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0590			mg/kg wet	0.0667		88.5	60.9-138			
Matrix Spike (B1J1702-MS1)											
						Source: 1104902-01 Prepared: 10/17/11 Analyzed: 10/18/11					
Aroclor 1260	0.380	0.24	0.0070	mg/kg dry	0.398	<0.24	95.5	70-130			
Surrogate: Decachlorobiphenyl	0.0708			mg/kg dry	0.0795		89.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0728			mg/kg dry	0.0795		91.5	60.9-138			
Matrix Spike Dup (B1J1702-MSD1)											
						Source: 1104902-01 Prepared: 10/17/11 Analyzed: 10/18/11					
Aroclor 1260	0.373	0.24	0.0070	mg/kg dry	0.399	<0.24	93.4	70-130	1.89	17.2	
Surrogate: Decachlorobiphenyl	0.0690			mg/kg dry	0.0798		86.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0646			mg/kg dry	0.0798		81.0	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104902 Date Reported: 10/20/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1706 - General Preparation											
Duplicate (B1J1706-DUP1)											
% Solids	84.0			%		83.0			1.20	20	
Duplicate (B1J1706-DUP2)											
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1J1706-DUP3)											
% Solids	84.0			%		83.0			1.20	20	
Duplicate (B1J1706-DUP4)											
% Solids	84.0			%		86.0			2.35	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104902 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Blank (B1J1707-BLK1)

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104902 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Blank (B1J1707-BLK1)

Prepared & Analyzed: 10/17/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.66			mg/kg wet	6.67		70.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.06			mg/kg wet	6.67		61.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.94			mg/kg wet	6.67		59.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.11			mg/kg wet	6.67		61.7	48.9-100			
Surrogate: Phenol-d6	4.58			mg/kg wet	6.67		68.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.27			mg/kg wet	6.67		64.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104902 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

LCS (B1J1707-BS1)

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	3.95	0.33	0.031	mg/kg wet	6.67		59.3	59.1-87.7			
1,4-Dichlorobenzene	3.49	0.33	0.029	mg/kg wet	6.67		52.3	50.3-72.9			
2,4-Dinitrotoluene	4.69	0.33	0.035	mg/kg wet	6.67		70.3	59.8-82.2			
2-Chlorophenol	4.16	0.67	0.060	mg/kg wet	6.67		62.4	59.7-77.3			
4-Chloro-3-methylphenol	4.73	0.67	0.066	mg/kg wet	6.67		70.9	63.6-80.4			
4-Nitrophenol	5.39	0.67	0.093	mg/kg wet	6.67		80.8	57.3-84.9			
Anthracene	4.85	0.33	0.036	mg/kg wet	6.67		72.8	67.3-88			
Benzo(a)anthracene	5.15	0.33	0.041	mg/kg wet	6.67		77.2	66.5-90.5			
Benzo(a)pyrene	4.83	0.33	0.042	mg/kg wet	6.67		72.4	66.1-89.7			
Chrysene	5.21	0.33	0.044	mg/kg wet	6.67		78.1	65.5-90.5			
Fluoranthene	4.80	0.33	0.039	mg/kg wet	6.67		71.9	66.7-89.9			
Fluorene	4.54	0.33	0.035	mg/kg wet	6.67		68.2	66.2-85.6			
N-Nitrosodi-n-propylamine	4.10	0.33	0.033	mg/kg wet	6.67		61.5	59.4-78			
Pentachlorophenol	3.83	0.67	0.078	mg/kg wet	6.67		57.4	46.7-83.2			
Phenanthrene	4.82	0.33	0.036	mg/kg wet	6.67		72.3	67.5-87.9			
Phenol	4.30	0.67	0.069	mg/kg wet	6.67		64.5	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.68			mg/kg wet	6.67		70.2	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	3.98			mg/kg wet	6.67		59.7	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	3.66			mg/kg wet	6.67		54.9	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	3.94			mg/kg wet	6.67		59.1	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.12			mg/kg wet	6.67		61.8	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.53			mg/kg wet	6.67		67.9	51-99.6			

Matrix Spike (B1J1707-MS1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	3.88	0.34	0.032	mg/kg dry	7.07	<0.34	55.0	44.8-97.9			
1,4-Dichlorobenzene	3.48	0.34	0.030	mg/kg dry	7.07	<0.34	49.2	42.3-77.9			
2,4-Dinitrotoluene	4.25	0.34	0.036	mg/kg dry	7.07	<0.34	60.2	57.3-86.6			
2-Chlorophenol	3.77	0.70	0.062	mg/kg dry	7.07	<0.70	53.3	43.3-93.2			
4-Chloro-3-methylphenol	4.27	0.70	0.069	mg/kg dry	7.07	<0.70	60.4	47.1-97.6			
4-Nitrophenol	4.69	0.70	0.097	mg/kg dry	7.07	<0.70	66.3	49.3-96.2			
Anthracene	4.33	0.34	0.038	mg/kg dry	7.07	<0.34	61.3	67.5-93.1			M2
Benzo(a)anthracene	4.35	0.34	0.043	mg/kg dry	7.07	<0.34	61.6	59.8-95.7			
Benzo(a)pyrene	3.92	0.34	0.044	mg/kg dry	7.07	<0.34	55.5	59.8-92.7			M2
Chrysene	4.42	0.34	0.046	mg/kg dry	7.07	<0.34	62.5	62.5-94.6			
Fluoranthene	4.25	0.34	0.041	mg/kg dry	7.07	<0.34	60.1	61.3-92.8			M2
Fluorene	4.26	0.34	0.036	mg/kg dry	7.07	<0.34	60.2	62.8-92.6			M2
N-Nitrosodi-n-propylamine	3.99	0.34	0.034	mg/kg dry	7.07	<0.34	56.5	46.9-89.9			
Pentachlorophenol	3.97	0.70	0.081	mg/kg dry	7.07	<0.70	56.2	40.1-95.1			
Phenanthrene	4.43	0.34	0.038	mg/kg dry	7.07	<0.34	62.7	65.2-92.2			M2
Phenol	3.79	0.70	0.072	mg/kg dry	7.07	<0.70	53.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104902 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Matrix Spike (B1J1707-MS1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

Surrogate: 2,4,6-Tribromophenol	4.32			mg/kg dry	7.07		61.1	53-107			
Surrogate: 2-Fluorobiphenyl	3.84			mg/kg dry	7.07		54.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.54			mg/kg dry	7.07		50.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.80			mg/kg dry	7.07		53.8	48.9-100			
Surrogate: Phenol-d6	3.81			mg/kg dry	7.07		53.9	50.4-99.6			
Surrogate: Terphenyl-d14	3.72			mg/kg dry	7.07		52.6	51-99.6			

Matrix Spike Dup (B1J1707-MSD1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	4.71	0.34	0.032	mg/kg dry	7.06	<0.34	66.7	44.8-97.9	19.2	19.6	
1,4-Dichlorobenzene	4.19	0.34	0.030	mg/kg dry	7.06	<0.34	59.4	42.3-77.9	18.7	22.4	
2,4-Dinitrotoluene	5.17	0.34	0.036	mg/kg dry	7.06	<0.34	73.2	57.3-86.6	19.5	19.5	
2-Chlorophenol	4.63	0.70	0.062	mg/kg dry	7.06	<0.70	65.5	43.3-93.2	20.4	23.7	
4-Chloro-3-methylphenol	5.19	0.70	0.069	mg/kg dry	7.06	<0.70	73.5	47.1-97.6	19.6	18.3	QR-04
4-Nitrophenol	5.88	0.70	0.097	mg/kg dry	7.06	<0.70	83.3	49.3-96.2	22.6	20.4	QR-04
Anthracene	5.26	0.34	0.038	mg/kg dry	7.06	<0.34	74.5	67.5-93.1	19.3	19.9	
Benzo(a)anthracene	5.34	0.34	0.043	mg/kg dry	7.06	<0.34	75.6	59.8-95.7	20.4	23.4	
Benzo(a)pyrene	4.84	0.34	0.044	mg/kg dry	7.06	<0.34	68.6	59.8-92.7	21.0	21.1	
Chrysene	5.47	0.34	0.046	mg/kg dry	7.06	<0.34	77.4	62.5-94.6	21.2	24.8	
Fluoranthene	5.08	0.34	0.041	mg/kg dry	7.06	<0.34	71.9	61.3-92.8	17.8	21.8	
Fluorene	5.09	0.34	0.036	mg/kg dry	7.06	<0.34	72.1	62.8-92.6	17.9	17.6	QR-04
N-Nitrosodi-n-propylamine	4.86	0.34	0.034	mg/kg dry	7.06	<0.34	68.8	46.9-89.9	19.6	18.9	QR-04
Pentachlorophenol	4.93	0.70	0.081	mg/kg dry	7.06	<0.70	69.8	40.1-95.1	21.5	19.7	QR-04
Phenanthrene	5.35	0.34	0.038	mg/kg dry	7.06	<0.34	75.8	65.2-92.2	18.8	20.5	
Phenol	4.57	0.70	0.072	mg/kg dry	7.06	<0.70	64.7	44.7-91	18.7	17.9	QR-04
Surrogate: 2,4,6-Tribromophenol	5.42			mg/kg dry	7.06		76.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.58			mg/kg dry	7.06		64.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.38			mg/kg dry	7.06		62.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.64			mg/kg dry	7.06		65.7	48.9-100			
Surrogate: Phenol-d6	4.79			mg/kg dry	7.06		67.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.63			mg/kg dry	7.06		65.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104902 Date Reported: 10/20/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
QR-04	The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
BARR
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1104902

Project Number: 23/19-1092.00 48R1 820
 Project Name: UMore R1, Stage 2, ~~60000000~~ Site Wide
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: No 29002

Number of Containers/Preservative		COC	Project Manager: JME
Water	Soil		
VOCs (unpreserved) #2	VOCs (varied MeOH) #1	1	Total Number of Containers
Disolved Metals (HNO3)	GRX, BTEX (varied MeOH) #7		
Total Metals (HNO3)	DRO (varied unpreserved)	1	Project QC Contact: AAN
General (unpreserved) #3	Metals (unpreserved)		
Diesel Range Organics (HCl)	SVOCS (unpreserved) #2	1	Sampled by: KCB
Nutrients (H2SO4) #4	% Solids (plastic vial, unpres.)		
		1	Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	SVOCS (unpreserved) #2	Disolved Metals (HNO3)	Total Metals (HNO3)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H2SO4) #4	VOCs (varied MeOH) #1	GRX, BTEX (varied MeOH) #7	DRO (varied unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number of Containers		
						Water	Soil	Grab	Comp.															QC	
01 501F1-TT4	2	2	ft	10/11/2011	1115	X		X																1	PCBs
02 501F1-TT3	0.5	0.5		↓	1215	X		Y																1	
03 501F1-TT2A	5	5		10/11/2011	1245	Y		X																1	
04 501F1-TT5	0.5	0.5				X		X																1	
05 501C-TT1	3	3			1030	X		X												X				1	ReAct metals
06 501C-TT1	0.5	0.5			1015	X		X												X				1	
07 M-2	-	-				X		X												X				1	
08 M-3	-	-				X		X												X				1	
09 501A2-TT1	2	2	↓	↓	1445	X		X												X				1	Analyze SVOCS
10																									

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRX, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
 3.22 re/custody

Relinquished By: <i>Rust Schipke</i>	On Ice? <input checked="" type="checkbox"/> N	Date: 10/12/11	Time: 0545	Received by:	Date:	Time:
Relinquished By:	On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Date:	Time:	Received by: <i>Kelley Weber</i>	Date: 10/12/11	Time: 11:40
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other: _____				Air Bill Number:		

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Legend Technical Services, Inc.
 The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
 Page 17 of 17



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 20, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104903
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/12/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "Trie Le", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
707FFF-TT1_1.5-1.5	1104903-01	Soil	10/11/11 08:00	10/12/11 11:40
707FFF-TT2_0.5-0.5	1104903-02	Soil	10/11/11 08:15	10/12/11 11:40
707FFF-TT3_0.5-0.5	1104903-03	Soil	10/11/11 08:30	10/12/11 11:40
707FFF-TT4_0.5-0.5	1104903-04	Soil	10/11/11 08:45	10/12/11 11:40
717A-TT2A_2-2	1104903-05	Soil	10/11/11 09:15	10/12/11 11:40
717A-TT1A_6-6	1104903-06	Soil	10/11/11 09:45	10/12/11 11:40
706A-TT3_3-3	1104903-07	Soil	10/11/11 15:15	10/12/11 11:40
217A-TT1A_5-5	1104903-08	Soil	10/11/11 15:30	10/12/11 11:40
217A-TT2A_6-6	1104903-09	Soil	10/11/11 16:00	10/12/11 11:40
217A-TT5_14-14	1104903-10	Soil	10/11/11 16:30	10/12/11 11:40
M-1	1104903-11	Soil	10/11/11 00:00	10/12/11 11:40

Shipping Container Information

Default Cooler	Temperature (°C): 3.2	
Received on ice: Yes	Temperature blank was present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: Yes		

Case Narrative:

Recoveries for the 8270 matrix spike compounds anthracene, benzo(a)pyrene, fluoranthene, fluorene, and phenanthrene were below laboratory limits in the batch B1J1707 MS. The MS/MSD %RPDs were outside laboratory limits for several compounds. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-TT2_0.5-0.5 (1104903-02) Soil Sampled: 10/11/11 08:15 Received: 10/12/11 11:40										
Arsenic	4.6	0.52	0.057	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	85	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	13	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	10	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.093	0.093	0.018	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
707FFF-TT4_0.5-0.5 (1104903-04) Soil Sampled: 10/11/11 08:45 Received: 10/12/11 11:40										
Arsenic	3.5	0.52	0.057	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	56	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	13	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	8.3	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
717A-TT2A_2-2 (1104903-05) Soil Sampled: 10/11/11 09:15 Received: 10/12/11 11:40										
Arsenic	1.6	0.51	0.056	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	20	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	7.3	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.4	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
717A-TT1A_6-6 (1104903-06) Soil Sampled: 10/11/11 09:45 Received: 10/12/11 11:40										
Arsenic	1.1	0.47	0.051	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	12	0.93	0.056	mg/kg dry	1	"	"	"	"	
Cadmium	<0.23	0.23	0.031	mg/kg dry	1	"	"	"	"	
Chromium	4.1	0.47	0.011	mg/kg dry	1	"	"	"	"	
Lead	1.1	0.93	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<0.93	0.93	0.089	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.23	0.23	0.015	mg/kg dry	1	"	"	"	"	
706A-TT3_3-3 (1104903-07) Soil Sampled: 10/11/11 15:15 Received: 10/12/11 11:40										
Arsenic	5.5	0.59	0.065	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-TT3_3-3 (1104903-07) Soil Sampled: 10/11/11 15:15 Received: 10/12/11 11:40										
Barium	130	1.2	0.071	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	18	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	8.4	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
217A-TT2A_6-6 (1104903-09) Soil Sampled: 10/11/11 16:00 Received: 10/12/11 11:40										
Arsenic	1.5	0.51	0.056	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	16	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	7.2	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.4	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.087	0.087	0.017	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
217A-TT5_14-14 (1104903-10) Soil Sampled: 10/11/11 16:30 Received: 10/12/11 11:40										
Arsenic	1.5	0.48	0.053	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	20	0.97	0.058	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	9.3	0.48	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.9	0.97	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<0.97	0.97	0.092	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
M-1 (1104903-11) Soil Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
Arsenic	1.2	0.51	0.056	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	10	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	5.5	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.2	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-TT1A_6-6 (1104903-06) Soil Sampled: 10/11/11 09:45 Received: 10/12/11 11:40										
Aroclor 1016	<0.20	0.20	0.0080	mg/kg dry	1	B1J1702	10/17/11	10/18/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.040	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.040	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	84.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	89.5			60.9-138 %		"	"	"	"	

M-1 (1104903-11) Soil Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
Aroclor 1016	<0.20	0.20	0.0081	mg/kg dry	1	B1J1702	10/17/11	10/18/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	85.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	87.5			60.9-138 %		"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-TT1_1.5-1.5 (1104903-01) Soil Sampled: 10/11/11 08:00 Received: 10/12/11 11:40										
% Solids	83			%	1	B1J1706	10/17/11	10/17/11	% calculation	
707FFF-TT2_0.5-0.5 (1104903-02) Soil Sampled: 10/11/11 08:15 Received: 10/12/11 11:40										
% Solids	96			%	1	B1J1706	10/17/11	10/17/11	% calculation	
707FFF-TT3_0.5-0.5 (1104903-03) Soil Sampled: 10/11/11 08:30 Received: 10/12/11 11:40										
% Solids	96			%	1	B1J1706	10/17/11	10/17/11	% calculation	
707FFF-TT4_0.5-0.5 (1104903-04) Soil Sampled: 10/11/11 08:45 Received: 10/12/11 11:40										
% Solids	97			%	1	B1J1706	10/17/11	10/17/11	% calculation	
717A-TT2A_2-2 (1104903-05) Soil Sampled: 10/11/11 09:15 Received: 10/12/11 11:40										
% Solids	98			%	1	B1J1706	10/17/11	10/17/11	% calculation	
717A-TT1A_6-6 (1104903-06) Soil Sampled: 10/11/11 09:45 Received: 10/12/11 11:40										
% Solids	99			%	1	B1J1706	10/17/11	10/17/11	% calculation	
706A-TT3_3-3 (1104903-07) Soil Sampled: 10/11/11 15:15 Received: 10/12/11 11:40										
% Solids	85			%	1	B1J1706	10/17/11	10/17/11	% calculation	
217A-TT1A_5-5 (1104903-08) Soil Sampled: 10/11/11 15:30 Received: 10/12/11 11:40										
% Solids	98			%	1	B1J1706	10/17/11	10/17/11	% calculation	
217A-TT2A_6-6 (1104903-09) Soil Sampled: 10/11/11 16:00 Received: 10/12/11 11:40										
% Solids	98			%	1	B1J1706	10/17/11	10/17/11	% calculation	
217A-TT5_14-14 (1104903-10) Soil Sampled: 10/11/11 16:30 Received: 10/12/11 11:40										
% Solids	97			%	1	B1J1706	10/17/11	10/17/11	% calculation	
M-1 (1104903-11) Soil Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
% Solids	98			%	1	B1J1706	10/17/11	10/17/11	% calculation	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-TT1_1.5-1.5 (1104903-01) Soil Sampled: 10/11/11 08:00 Received: 10/12/11 11:40										
1,2,4-Trichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	B1J1707	10/17/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.81	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.090	0.81	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.047	0.40	0.047	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.072	0.81	0.072	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.81	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.81	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.81	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.81	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.064	0.40	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.053	0.40	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-TT1_1.5-1.5 (1104903-01) Soil Sampled: 10/11/11 08:00 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	<0.058	0.40	0.058	mg/kg dry	1	B1J1707	10/17/11	10/18/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.058	0.40	0.053	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.053	0.40	0.053	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.12	0.40	0.047	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.40	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.11	0.40	0.043	mg/kg dry	1	"	"	"	"	J
Phenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
Pyrene	0.11	0.40	0.049	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	88.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	95.1			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-TT2_0.5-0.5 (1104903-02) Soil Sampled: 10/11/11 08:15 Received: 10/12/11 11:40										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1707	10/17/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.066	0.34	0.040	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	0.12	0.34	0.038	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.43	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.33	0.34	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.43	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.25	0.34	0.045	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-TT2_0.5-0.5 (1104903-02) Soil Sampled: 10/11/11 08:15 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	0.17	0.34	0.050	mg/kg dry	1	B1J1707	10/17/11	10/18/11	EPA 8270C	J
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	0.060	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	0.42	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.059	0.34	0.045	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.84	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	0.053	0.34	0.036	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.26	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.58	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	0.74	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	82.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	75.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	77.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	75.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	90.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-TT3_0.5-0.5 (1104903-03) Soil Sampled: 10/11/11 08:30 Received: 10/12/11 11:40										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1707	10/17/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.16	0.34	0.043	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.15	0.34	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.24	0.34	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.12	0.34	0.045	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-TT3_0.5-0.5 (1104903-03) Soil Sampled: 10/11/11 08:30 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	0.085	0.34	0.050	mg/kg dry	1	B1J1707	10/17/11	10/18/11	EPA 8270C	J
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.20	0.34	0.046	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.31	0.34	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.13	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.17	0.34	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	0.29	0.34	0.043	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	84.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-TT4_0.5-0.5 (1104903-04) Soil Sampled: 10/11/11 08:45 Received: 10/12/11 11:40										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1707	10/17/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.11	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.082	0.34	0.043	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.11	0.34	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.058	0.34	0.044	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-TT4_0.5-0.5 (1104903-04) Soil Sampled: 10/11/11 08:45 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	0.050	0.34	0.049	mg/kg dry	1	B1J1707	10/17/11	10/18/11	EPA 8270C	J
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.11	0.34	0.045	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.22	0.34	0.040	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.057	0.34	0.041	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.19	0.34	0.037	mg/kg dry	1	"	"	"	"	J
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	0.21	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	85.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	80.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	90.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
171A-TT2A_2-2 (1104903-05) Soil Sampled: 10/11/11 09:15 Received: 10/12/11 11:40										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.042	0.34	0.039	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-TT2A_2-2 (1104903-05) Soil Sampled: 10/11/11 09:15 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	0.051	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	74.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	60.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	89.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT1A_5-5 (1104903-08) Soil Sampled: 10/11/11 15:30 Received: 10/12/11 11:40										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT1A_5-5 (1104903-08) Soil Sampled: 10/11/11 15:30 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	65.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	58.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	87.2			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT2A_6-6 (1104903-09) Soil Sampled: 10/11/11 16:00 Received: 10/12/11 11:40										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT2A_6-6 (1104903-09) Soil Sampled: 10/11/11 16:00 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	65.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	58.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	55.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	87.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT5_14-14 (1104903-10) Soil Sampled: 10/11/11 16:30 Received: 10/12/11 11:40										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-TT5_14-14 (1104903-10) Soil Sampled: 10/11/11 16:30 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	65.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	64.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	61.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	56.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1407 - EPA 3050B

Blank (B1J1407-BLK1)

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1407-BS1)

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	39.3	0.50	0.055	mg/kg wet	39.9		98.4	80-120			
Barium	41.3	1.0	0.060	mg/kg wet	39.9		103	80-120			
Cadmium	39.3	0.25	0.033	mg/kg wet	39.9		98.5	80-120			
Chromium	39.6	0.50	0.012	mg/kg wet	39.9		99.3	80-120			
Lead	41.0	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	39.3	1.0	0.095	mg/kg wet	39.9		98.6	80-120			
Silver	3.93	0.25	0.016	mg/kg wet	3.99		98.6	80-120			

LCS Dup (B1J1407-BSD1)

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	39.6	0.50	0.055	mg/kg wet	39.9		99.1	80-120	0.750	20	
Barium	40.6	1.0	0.060	mg/kg wet	39.9		102	80-120	1.64	20	
Cadmium	39.5	0.25	0.033	mg/kg wet	39.9		99.0	80-120	0.562	20	
Chromium	40.0	0.50	0.012	mg/kg wet	39.9		100	80-120	1.07	20	
Lead	41.4	1.0	0.14	mg/kg wet	39.9		104	80-120	0.878	20	
Selenium	39.6	1.0	0.095	mg/kg wet	39.9		99.2	80-120	0.625	20	
Silver	3.97	0.25	0.016	mg/kg wet	3.99		99.4	80-120	0.868	20	

Matrix Spike (B1J1407-MS1)

Source: 1104903-02

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	41.3	0.52	0.057	mg/kg dry	40.8	4.58	89.9	75-125			
Barium	117	1.0	0.062	mg/kg dry	40.8	84.8	79.8	75-125			
Cadmium	37.6	0.26	0.034	mg/kg dry	40.8	<0.26	91.8	75-125			
Chromium	52.4	0.52	0.012	mg/kg dry	40.8	12.7	97.4	75-125			
Lead	47.2	1.0	0.15	mg/kg dry	40.8	10.1	90.8	75-125			
Selenium	35.7	1.0	0.099	mg/kg dry	40.8	<1.0	87.4	75-125			
Silver	3.68	0.26	0.017	mg/kg dry	4.08	<0.26	90.3	75-125			

Matrix Spike Dup (B1J1407-MSD1)

Source: 1104903-02

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	42.4	0.52	0.057	mg/kg dry	41.8	4.58	90.6	75-125	2.83	20	
Barium	127	1.0	0.062	mg/kg dry	41.8	84.8	101	75-125	7.98	20	
Cadmium	38.9	0.26	0.034	mg/kg dry	41.8	<0.26	92.8	75-125	3.42	20	
Chromium	53.0	0.52	0.012	mg/kg dry	41.8	12.7	96.6	75-125	1.19	20	
Lead	49.0	1.0	0.15	mg/kg dry	41.8	10.1	93.1	75-125	3.83	20	
Selenium	37.3	1.0	0.099	mg/kg dry	41.8	<1.0	89.3	75-125	4.50	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1407 - EPA 3050B											
Matrix Spike Dup (B1J1407-MSD1)			Source: 1104903-02			Prepared: 10/14/11		Analyzed: 10/17/11			
Silver	3.87	0.26	0.017	mg/kg dry	4.18	<0.26	92.8	75-125	5.11	20	
Batch B1J1716 - EPA 7471A											
Blank (B1J1716-BLK1)											
					Prepared: 10/17/11		Analyzed: 10/19/11				
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1716-BS1)											
					Prepared: 10/17/11		Analyzed: 10/19/11				
Mercury	0.166	0.10	0.019	mg/kg wet	0.200		83.0	80-120			
LCS Dup (B1J1716-BSD1)											
					Prepared: 10/17/11		Analyzed: 10/19/11				
Mercury	0.177	0.10	0.019	mg/kg wet	0.200		88.5	80-120	6.41	20	
Matrix Spike (B1J1716-MS1)											
Source: 1104855-24					Prepared: 10/17/11		Analyzed: 10/19/11				
Mercury	0.193	0.10	0.019	mg/kg dry	0.201	<0.10	96.0	75-125			
Matrix Spike Dup (B1J1716-MSD1)											
Source: 1104855-24					Prepared: 10/17/11		Analyzed: 10/19/11				
Mercury	0.196	0.097	0.018	mg/kg dry	0.194	<0.097	101	75-125	1.44	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1702 - EPA 3545 ASE Extraction											
Blank (B1J1702-BLK1)											
						Prepared: 10/17/11 Analyzed: 10/18/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0557			mg/kg wet	0.0667		83.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0563			mg/kg wet	0.0667		84.5	60.9-138			
LCS (B1J1702-BS1)											
						Prepared: 10/17/11 Analyzed: 10/18/11					
Aroclor 1260	0.316	0.20	0.0059	mg/kg wet	0.333		94.7	70-130			
Surrogate: Decachlorobiphenyl	0.0587			mg/kg wet	0.0667		88.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0590			mg/kg wet	0.0667		88.5	60.9-138			
Matrix Spike (B1J1702-MS1)											
						Source: 1104902-01 Prepared: 10/17/11 Analyzed: 10/18/11					
Aroclor 1260	0.380	0.24	0.0070	mg/kg dry	0.398	<0.24	95.5	70-130			
Surrogate: Decachlorobiphenyl	0.0708			mg/kg dry	0.0795		89.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0728			mg/kg dry	0.0795		91.5	60.9-138			
Matrix Spike Dup (B1J1702-MSD1)											
						Source: 1104902-01 Prepared: 10/17/11 Analyzed: 10/18/11					
Aroclor 1260	0.373	0.24	0.0070	mg/kg dry	0.399	<0.24	93.4	70-130	1.89	17.2	
Surrogate: Decachlorobiphenyl	0.0690			mg/kg dry	0.0798		86.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0646			mg/kg dry	0.0798		81.0	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1706 - General Preparation											
Duplicate (B1J1706-DUP1)						Source: 1104903-01			Prepared & Analyzed: 10/17/11		
% Solids	84.0			%		83.0			1.20	20	
Duplicate (B1J1706-DUP2)						Source: 1104903-11			Prepared & Analyzed: 10/17/11		
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1J1706-DUP3)						Source: 1104963-03			Prepared & Analyzed: 10/17/11		
% Solids	84.0			%		83.0			1.20	20	
Duplicate (B1J1706-DUP4)						Source: 1104982-02			Prepared & Analyzed: 10/17/11		
% Solids	84.0			%		86.0			2.35	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Blank (B1J1707-BLK1)

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Blank (B1J1707-BLK1)

Prepared & Analyzed: 10/17/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.66			mg/kg wet	6.67		70.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.06			mg/kg wet	6.67		61.0	53.9-97.9			
Surrogate: 2-Fluorophenol	3.94			mg/kg wet	6.67		59.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.11			mg/kg wet	6.67		61.7	48.9-100			
Surrogate: Phenol-d6	4.58			mg/kg wet	6.67		68.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.27			mg/kg wet	6.67		64.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

LCS (B1J1707-BS1)

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	3.95	0.33	0.031	mg/kg wet	6.67		59.3	59.1-87.7			
1,4-Dichlorobenzene	3.49	0.33	0.029	mg/kg wet	6.67		52.3	50.3-72.9			
2,4-Dinitrotoluene	4.69	0.33	0.035	mg/kg wet	6.67		70.3	59.8-82.2			
2-Chlorophenol	4.16	0.67	0.060	mg/kg wet	6.67		62.4	59.7-77.3			
4-Chloro-3-methylphenol	4.73	0.67	0.066	mg/kg wet	6.67		70.9	63.6-80.4			
4-Nitrophenol	5.39	0.67	0.093	mg/kg wet	6.67		80.8	57.3-84.9			
Anthracene	4.85	0.33	0.036	mg/kg wet	6.67		72.8	67.3-88			
Benzo(a)anthracene	5.15	0.33	0.041	mg/kg wet	6.67		77.2	66.5-90.5			
Benzo(a)pyrene	4.83	0.33	0.042	mg/kg wet	6.67		72.4	66.1-89.7			
Chrysene	5.21	0.33	0.044	mg/kg wet	6.67		78.1	65.5-90.5			
Fluoranthene	4.80	0.33	0.039	mg/kg wet	6.67		71.9	66.7-89.9			
Fluorene	4.54	0.33	0.035	mg/kg wet	6.67		68.2	66.2-85.6			
N-Nitrosodi-n-propylamine	4.10	0.33	0.033	mg/kg wet	6.67		61.5	59.4-78			
Pentachlorophenol	3.83	0.67	0.078	mg/kg wet	6.67		57.4	46.7-83.2			
Phenanthrene	4.82	0.33	0.036	mg/kg wet	6.67		72.3	67.5-87.9			
Phenol	4.30	0.67	0.069	mg/kg wet	6.67		64.5	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.68			mg/kg wet	6.67		70.2	53-107			
Surrogate: 2-Fluorobiphenyl	3.98			mg/kg wet	6.67		59.7	53.9-97.9			
Surrogate: 2-Fluorophenol	3.66			mg/kg wet	6.67		54.9	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.94			mg/kg wet	6.67		59.1	48.9-100			
Surrogate: Phenol-d6	4.12			mg/kg wet	6.67		61.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.53			mg/kg wet	6.67		67.9	51-99.6			

Matrix Spike (B1J1707-MS1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	3.88	0.34	0.032	mg/kg dry	7.07	<0.34	55.0	44.8-97.9			
1,4-Dichlorobenzene	3.48	0.34	0.030	mg/kg dry	7.07	<0.34	49.2	42.3-77.9			
2,4-Dinitrotoluene	4.25	0.34	0.036	mg/kg dry	7.07	<0.34	60.2	57.3-86.6			
2-Chlorophenol	3.77	0.70	0.062	mg/kg dry	7.07	<0.70	53.3	43.3-93.2			
4-Chloro-3-methylphenol	4.27	0.70	0.069	mg/kg dry	7.07	<0.70	60.4	47.1-97.6			
4-Nitrophenol	4.69	0.70	0.097	mg/kg dry	7.07	<0.70	66.3	49.3-96.2			
Anthracene	4.33	0.34	0.038	mg/kg dry	7.07	<0.34	61.3	67.5-93.1			M2
Benzo(a)anthracene	4.35	0.34	0.043	mg/kg dry	7.07	<0.34	61.6	59.8-95.7			
Benzo(a)pyrene	3.92	0.34	0.044	mg/kg dry	7.07	<0.34	55.5	59.8-92.7			M2
Chrysene	4.42	0.34	0.046	mg/kg dry	7.07	<0.34	62.5	62.5-94.6			
Fluoranthene	4.25	0.34	0.041	mg/kg dry	7.07	<0.34	60.1	61.3-92.8			M2
Fluorene	4.26	0.34	0.036	mg/kg dry	7.07	<0.34	60.2	62.8-92.6			M2
N-Nitrosodi-n-propylamine	3.99	0.34	0.034	mg/kg dry	7.07	<0.34	56.5	46.9-89.9			
Pentachlorophenol	3.97	0.70	0.081	mg/kg dry	7.07	<0.70	56.2	40.1-95.1			
Phenanthrene	4.43	0.34	0.038	mg/kg dry	7.07	<0.34	62.7	65.2-92.2			M2
Phenol	3.79	0.70	0.072	mg/kg dry	7.07	<0.70	53.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1707 - EPA 3545 ASE Extraction

Matrix Spike (B1J1707-MS1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

Surrogate: 2,4,6-Tribromophenol	4.32			mg/kg dry	7.07		61.1	53-107			
Surrogate: 2-Fluorobiphenyl	3.84			mg/kg dry	7.07		54.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.54			mg/kg dry	7.07		50.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.80			mg/kg dry	7.07		53.8	48.9-100			
Surrogate: Phenol-d6	3.81			mg/kg dry	7.07		53.9	50.4-99.6			
Surrogate: Terphenyl-d14	3.72			mg/kg dry	7.07		52.6	51-99.6			

Matrix Spike Dup (B1J1707-MSD1)

Source: 1104855-04

Prepared & Analyzed: 10/17/11

1,2,4-Trichlorobenzene	4.71	0.34	0.032	mg/kg dry	7.06	<0.34	66.7	44.8-97.9	19.2	19.6	
1,4-Dichlorobenzene	4.19	0.34	0.030	mg/kg dry	7.06	<0.34	59.4	42.3-77.9	18.7	22.4	
2,4-Dinitrotoluene	5.17	0.34	0.036	mg/kg dry	7.06	<0.34	73.2	57.3-86.6	19.5	19.5	
2-Chlorophenol	4.63	0.70	0.062	mg/kg dry	7.06	<0.70	65.5	43.3-93.2	20.4	23.7	
4-Chloro-3-methylphenol	5.19	0.70	0.069	mg/kg dry	7.06	<0.70	73.5	47.1-97.6	19.6	18.3	QR-04
4-Nitrophenol	5.88	0.70	0.097	mg/kg dry	7.06	<0.70	83.3	49.3-96.2	22.6	20.4	QR-04
Anthracene	5.26	0.34	0.038	mg/kg dry	7.06	<0.34	74.5	67.5-93.1	19.3	19.9	
Benzo(a)anthracene	5.34	0.34	0.043	mg/kg dry	7.06	<0.34	75.6	59.8-95.7	20.4	23.4	
Benzo(a)pyrene	4.84	0.34	0.044	mg/kg dry	7.06	<0.34	68.6	59.8-92.7	21.0	21.1	
Chrysene	5.47	0.34	0.046	mg/kg dry	7.06	<0.34	77.4	62.5-94.6	21.2	24.8	
Fluoranthene	5.08	0.34	0.041	mg/kg dry	7.06	<0.34	71.9	61.3-92.8	17.8	21.8	
Fluorene	5.09	0.34	0.036	mg/kg dry	7.06	<0.34	72.1	62.8-92.6	17.9	17.6	QR-04
N-Nitrosodi-n-propylamine	4.86	0.34	0.034	mg/kg dry	7.06	<0.34	68.8	46.9-89.9	19.6	18.9	QR-04
Pentachlorophenol	4.93	0.70	0.081	mg/kg dry	7.06	<0.70	69.8	40.1-95.1	21.5	19.7	QR-04
Phenanthrene	5.35	0.34	0.038	mg/kg dry	7.06	<0.34	75.8	65.2-92.2	18.8	20.5	
Phenol	4.57	0.70	0.072	mg/kg dry	7.06	<0.70	64.7	44.7-91	18.7	17.9	QR-04
Surrogate: 2,4,6-Tribromophenol	5.42			mg/kg dry	7.06		76.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.58			mg/kg dry	7.06		64.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.38			mg/kg dry	7.06		62.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.64			mg/kg dry	7.06		65.7	48.9-100			
Surrogate: Phenol-d6	4.79			mg/kg dry	7.06		67.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.63			mg/kg dry	7.06		65.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1801 - EPA 3545 ASE Extraction

Blank (B1J1801-BLK1)

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1801 - EPA 3545 ASE Extraction

Blank (B1J1801-BLK1)

Prepared & Analyzed: 10/18/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.40			mg/kg wet	6.67		66.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.61			mg/kg wet	6.67		69.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.44			mg/kg wet	6.67		66.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.47			mg/kg wet	6.67		67.0	48.9-100			
Surrogate: Phenol-d6	4.22			mg/kg wet	6.67		63.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.48			mg/kg wet	6.67		82.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1801 - EPA 3545 ASE Extraction

LCS (B1J1801-BS1)

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	4.02	0.33	0.031	mg/kg wet	6.67		60.3	59.1-87.7			
1,4-Dichlorobenzene	3.79	0.33	0.029	mg/kg wet	6.67		56.8	50.3-72.9			
2,4-Dinitrotoluene	4.90	0.33	0.035	mg/kg wet	6.67		73.6	59.8-82.2			
2-Chlorophenol	4.80	0.67	0.060	mg/kg wet	6.67		72.1	59.7-77.3			
4-Chloro-3-methylphenol	5.13	0.67	0.066	mg/kg wet	6.67		76.9	63.6-80.4			
4-Nitrophenol	4.64	0.67	0.093	mg/kg wet	6.67		69.6	57.3-84.9			
Anthracene	5.85	0.33	0.036	mg/kg wet	6.67		87.7	67.3-88			
Benzo(a)anthracene	5.62	0.33	0.041	mg/kg wet	6.67		84.2	66.5-90.5			
Benzo(a)pyrene	5.78	0.33	0.042	mg/kg wet	6.67		86.8	66.1-89.7			
Chrysene	5.48	0.33	0.044	mg/kg wet	6.67		82.1	65.5-90.5			
Fluoranthene	5.70	0.33	0.039	mg/kg wet	6.67		85.5	66.7-89.9			
Fluorene	5.30	0.33	0.035	mg/kg wet	6.67		79.5	66.2-85.6			
N-Nitrosodi-n-propylamine	4.18	0.33	0.033	mg/kg wet	6.67		62.7	59.4-78			
Pentachlorophenol	3.47	0.67	0.078	mg/kg wet	6.67		52.0	46.7-83.2			
Phenanthrene	5.73	0.33	0.036	mg/kg wet	6.67		86.0	67.5-87.9			
Phenol	4.76	0.67	0.069	mg/kg wet	6.67		71.4	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.44			mg/kg wet	6.67		66.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.63			mg/kg wet	6.67		69.5	53.9-97.9			
Surrogate: 2-Fluorophenol	3.92			mg/kg wet	6.67		58.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.16			mg/kg wet	6.67		62.5	48.9-100			
Surrogate: Phenol-d6	4.42			mg/kg wet	6.67		66.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.79			mg/kg wet	6.67		71.9	51-99.6			

Matrix Spike (B1J1801-MS1)

Source: 1104903-05

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	4.35	0.34	0.032	mg/kg dry	6.85	<0.34	63.5	44.8-97.9			
1,4-Dichlorobenzene	3.84	0.34	0.030	mg/kg dry	6.85	<0.34	56.0	42.3-77.9			
2,4-Dinitrotoluene	4.99	0.34	0.036	mg/kg dry	6.85	<0.34	72.8	57.3-86.6			
2-Chlorophenol	4.14	0.68	0.061	mg/kg dry	6.85	<0.68	60.3	43.3-93.2			
4-Chloro-3-methylphenol	4.84	0.68	0.067	mg/kg dry	6.85	<0.68	70.6	47.1-97.6			
4-Nitrophenol	5.50	0.68	0.095	mg/kg dry	6.85	<0.68	80.3	49.3-96.2			
Anthracene	5.23	0.34	0.037	mg/kg dry	6.85	<0.34	76.3	67.5-93.1			
Benzo(a)anthracene	5.49	0.34	0.042	mg/kg dry	6.85	<0.34	80.1	59.8-95.7			
Benzo(a)pyrene	4.97	0.34	0.043	mg/kg dry	6.85	<0.34	72.6	59.8-92.7			
Chrysene	5.59	0.34	0.045	mg/kg dry	6.85	<0.34	81.6	62.5-94.6			
Fluoranthene	5.07	0.34	0.040	mg/kg dry	6.85	<0.34	74.0	61.3-92.8			
Fluorene	4.83	0.34	0.036	mg/kg dry	6.85	<0.34	70.5	62.8-92.6			
N-Nitrosodi-n-propylamine	4.45	0.34	0.034	mg/kg dry	6.85	<0.34	65.0	46.9-89.9			
Pentachlorophenol	4.31	0.68	0.080	mg/kg dry	6.85	<0.68	62.9	40.1-95.1			
Phenanthrene	5.17	0.34	0.037	mg/kg dry	6.85	<0.34	75.4	65.2-92.2			
Phenol	4.22	0.68	0.070	mg/kg dry	6.85	<0.68	61.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1801 - EPA 3545 ASE Extraction

Matrix Spike (B1J1801-MS1)

Source: 1104903-05

Prepared & Analyzed: 10/18/11

Surrogate: 2,4,6-Tribromophenol	5.28			mg/kg dry	6.85		77.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.20			mg/kg dry	6.85		61.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.01			mg/kg dry	6.85		58.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.21			mg/kg dry	6.85		61.4	48.9-100			
Surrogate: Phenol-d6	4.40			mg/kg dry	6.85		64.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.77			mg/kg dry	6.85		69.5	51-99.6			

Matrix Spike Dup (B1J1801-MSD1)

Source: 1104903-05

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	4.16	0.34	0.032	mg/kg dry	6.81	<0.34	61.0	44.8-97.9	4.54	19.6	
1,4-Dichlorobenzene	3.71	0.34	0.030	mg/kg dry	6.81	<0.34	54.5	42.3-77.9	3.31	22.4	
2,4-Dinitrotoluene	4.84	0.34	0.036	mg/kg dry	6.81	<0.34	71.0	57.3-86.6	3.10	19.5	
2-Chlorophenol	3.97	0.68	0.061	mg/kg dry	6.81	<0.68	58.4	43.3-93.2	4.00	23.7	
4-Chloro-3-methylphenol	4.68	0.68	0.067	mg/kg dry	6.81	<0.68	68.7	47.1-97.6	3.41	18.3	
4-Nitrophenol	5.35	0.68	0.095	mg/kg dry	6.81	<0.68	78.7	49.3-96.2	2.72	20.4	
Anthracene	5.06	0.34	0.037	mg/kg dry	6.81	<0.34	74.3	67.5-93.1	3.35	19.9	
Benzo(a)anthracene	5.31	0.34	0.042	mg/kg dry	6.81	<0.34	78.0	59.8-95.7	3.39	23.4	
Benzo(a)pyrene	4.81	0.34	0.043	mg/kg dry	6.81	<0.34	70.7	59.8-92.7	3.26	21.1	
Chrysene	5.37	0.34	0.045	mg/kg dry	6.81	<0.34	78.9	62.5-94.6	3.98	24.8	
Fluoranthene	4.97	0.34	0.040	mg/kg dry	6.81	<0.34	72.9	61.3-92.8	2.17	21.8	
Fluorene	4.72	0.34	0.036	mg/kg dry	6.81	<0.34	69.4	62.8-92.6	2.36	17.6	
N-Nitrosodi-n-propylamine	4.31	0.34	0.034	mg/kg dry	6.81	<0.34	63.2	46.9-89.9	3.38	18.9	
Pentachlorophenol	4.17	0.68	0.080	mg/kg dry	6.81	<0.68	61.2	40.1-95.1	3.40	19.7	
Phenanthrene	5.02	0.34	0.037	mg/kg dry	6.81	<0.34	73.8	65.2-92.2	2.89	20.5	
Phenol	4.08	0.68	0.070	mg/kg dry	6.81	<0.68	59.9	44.7-91	3.38	17.9	
Surrogate: 2,4,6-Tribromophenol	5.11			mg/kg dry	6.81		75.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.11			mg/kg dry	6.81		60.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.88			mg/kg dry	6.81		57.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.07			mg/kg dry	6.81		59.8	48.9-100			
Surrogate: Phenol-d6	4.28			mg/kg dry	6.81		62.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.65			mg/kg dry	6.81		68.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104903 Date Reported: 10/20/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
QR-04	The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
 4700 West 77th Street
BARR Minneapolis, MN 55435-4803
 (952) 832-2600

1104903

Project Number: 23/19-1092.00 48R1 820
 Project Name: UMore R1, Stage 2. ABC Line
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: **No 36792**

Number of Containers/Preservative		COC 1 of 2
Water	Soil	
VOCs (unpreserved) #1	VOCs (tared MeOH) #1	Total Number of Containers
Dissolved Metals (HNO ₃)	GRX, BTEX (tared MeOH) #1	
Total Metals (HNO ₃)	DRO (tared unpreserved)	
General (unpreserved) #1	Metals (unpreserved)	
Diesel Range Organics (HCl)	SVOCS (unpreserved) #2	
Nutrients (H ₂ SO ₄) #4	% Solids (plastic vial, unpres.)	

Project Manager: JME
 Project QC Contact: AAN
 Sampled by: KCB
 Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	QC	SVOCS (HCl) #1	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #1	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRX, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number of Containers	
						Water	Soil																
01707FFF-TT1	1.5	1.5	ft	10/11/2011	0800	X	X															1	SVOC
02707FFF-TT2	0.5	0.5			0815	X	X											X	X			2	SVOC RCRA Metals
03707FFF-TT3	0.5	0.5			0830	X	X												X			1	SVOC
04707FFF-TT4	0.5	0.5			0845	X	X											X	X			2	RCRA Metals SVOCs
05117A-TT2A	2	2			0915	X	X											X	X			2	↓
06117A-TT1A	6	6			0945	X	X											X	X			2	RCRA Metals PCBs
07106A-TT3	3	3			1515	X	X											X	X			1	RCRA Metals
08217A-TT1A	5	5			1530	X	X												X			1	SVOCs
09217A-TT2A	6	6			1600	X	X											X	X			2	RCRA Metals SVOCs
10217A-TT5	14	14	↓	↓	1630	X	X											X	X			2	↓

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRX, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: *Arnie Schimpke* On Ice? N Date: 10/12/11 Time: 0545
 Relinquished By: _____ On Ice? Y Date: _____ Time: _____
 Received by: _____ Date: 10/12/11 Time: 1140
 Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____
 Air Bill Number: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

32 pp / custody

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BARR Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1104903

Project Number: 23/19-1092.00 48R1 820
 Project Name: UMore R1, Stage 2, ABC Line
 Sample Origination State: MN (use two letter postal state abbreviation)
 CDC Number: **No 36793**

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	Number of Containers/Preservative										Total Number of Containers							
						Water	Soil		VOCs (HCl) #1	VOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRQ, BTEX (tared MeOH) #1	DRO (tared unpreserved)		Metals (unpreserved)	VOCs (unpreserved) #2	% Solids (plastic vial, unpres.)				
1. M-1	-	-	-	10/11/11	-		X	X																2	PCBs + RECM metals	
2.																										
3.																										
4.																										
5.																										
6.																										
7.																										
8.																										
9.																										
10.																										

Relinquished By: Knot-Sampke On Ice? Y N Date: 10/12/11 Time: 0545
 Received by: _____ Date: _____ Time: _____

Relinquished By: _____ On Ice? Y N Date: _____ Time: _____
 Received by: Valley Kreber Date: 10/12/11 Time: 1140

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____
 Air Bill Number: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

3/2/18/Chain of Custody

Legend Technical Services, Inc.
 The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 20, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104905
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/12/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "Dan Brezina", written over a horizontal line.

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104905 Date Reported: 10/20/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22926-SS3_0.5-0.5	1104905-01	Soil	10/11/11 12:30	10/12/11 11:40
22926-SS4_0.5-0.5	1104905-02	Soil	10/11/11 12:50	10/12/11 11:40
22926-SS5_0.5-0.5	1104905-03	Soil	10/11/11 13:00	10/12/11 11:40
222B-SS1_0.5-0.5	1104905-04	Soil	10/11/11 13:30	10/12/11 11:40
222A-SS7_0.5-0.5	1104905-05	Soil	10/11/11 13:45	10/12/11 11:40
222A-SS8_0.5-0.5	1104905-06	Soil	10/11/11 13:55	10/12/11 11:40
222A-SS9_0.5-0.5	1104905-07	Soil	10/11/11 14:05	10/12/11 11:40

Shipping Container Information

Default Cooler Temperature (°C): 4.4

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104905 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22926-SS3_0.5-0.5 (1104905-01) Soil Sampled: 10/11/11 12:30 Received: 10/12/11 11:40										
Arsenic	5.9	0.56	0.062	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	110	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	16	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	12	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
22926-SS4_0.5-0.5 (1104905-02) Soil Sampled: 10/11/11 12:50 Received: 10/12/11 11:40										
Arsenic	5.7	0.54	0.059	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	150	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	16	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
22926-SS5_0.5-0.5 (1104905-03) Soil Sampled: 10/11/11 13:00 Received: 10/12/11 11:40										
Arsenic	5.5	0.57	0.062	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	110	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	14	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
222B-SS1_0.5-0.5 (1104905-04) Soil Sampled: 10/11/11 13:30 Received: 10/12/11 11:40										
Arsenic	6.0	0.53	0.059	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	100	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	0.28	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	14	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	17	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	0.44	0.27	0.017	mg/kg dry	1	"	"	"	"	
222A-SS7_0.5-0.5 (1104905-05) Soil Sampled: 10/11/11 13:45 Received: 10/12/11 11:40										
Arsenic	4.6	0.55	0.060	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104905 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
222A-SS7_0.5-0.5 (1104905-05) Soil Sampled: 10/11/11 13:45 Received: 10/12/11 11:40										
Barium	64	1.1	0.066	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	14	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.5	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
222A-SS8_0.5-0.5 (1104905-06) Soil Sampled: 10/11/11 13:55 Received: 10/12/11 11:40										
Arsenic	5.3	0.55	0.060	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	76	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	14	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	9.3	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
222A-SS9_0.5-0.5 (1104905-07) Soil Sampled: 10/11/11 14:05 Received: 10/12/11 11:40										
Arsenic	5.1	0.53	0.058	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	68	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	12	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	8.3	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1716	10/17/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104905 Date Reported: 10/20/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22926-SS3_0.5-0.5 (1104905-01) Soil Sampled: 10/11/11 12:30 Received: 10/12/11 11:40										
% Solids	89			%	1	B1J1706	10/17/11	10/17/11	% calculation	
22926-SS4_0.5-0.5 (1104905-02) Soil Sampled: 10/11/11 12:50 Received: 10/12/11 11:40										
% Solids	88			%	1	B1J1706	10/17/11	10/17/11	% calculation	
22926-SS5_0.5-0.5 (1104905-03) Soil Sampled: 10/11/11 13:00 Received: 10/12/11 11:40										
% Solids	88			%	1	B1J1706	10/17/11	10/17/11	% calculation	
222B-SS1_0.5-0.5 (1104905-04) Soil Sampled: 10/11/11 13:30 Received: 10/12/11 11:40										
% Solids	94			%	1	B1J1706	10/17/11	10/17/11	% calculation	
222A-SS7_0.5-0.5 (1104905-05) Soil Sampled: 10/11/11 13:45 Received: 10/12/11 11:40										
% Solids	91			%	1	B1J1706	10/17/11	10/17/11	% calculation	
222A-SS8_0.5-0.5 (1104905-06) Soil Sampled: 10/11/11 13:55 Received: 10/12/11 11:40										
% Solids	91			%	1	B1J1706	10/17/11	10/17/11	% calculation	
222A-SS9_0.5-0.5 (1104905-07) Soil Sampled: 10/11/11 14:05 Received: 10/12/11 11:40										
% Solids	95			%	1	B1J1706	10/17/11	10/17/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104905 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1407 - EPA 3050B

Blank (B1J1407-BLK1)

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1407-BS1)

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	39.3	0.50	0.055	mg/kg wet	39.9		98.4	80-120			
Barium	41.3	1.0	0.060	mg/kg wet	39.9		103	80-120			
Cadmium	39.3	0.25	0.033	mg/kg wet	39.9		98.5	80-120			
Chromium	39.6	0.50	0.012	mg/kg wet	39.9		99.3	80-120			
Lead	41.0	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	39.3	1.0	0.095	mg/kg wet	39.9		98.6	80-120			
Silver	3.93	0.25	0.016	mg/kg wet	3.99		98.6	80-120			

LCS Dup (B1J1407-BSD1)

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	39.6	0.50	0.055	mg/kg wet	39.9		99.1	80-120	0.750	20	
Barium	40.6	1.0	0.060	mg/kg wet	39.9		102	80-120	1.64	20	
Cadmium	39.5	0.25	0.033	mg/kg wet	39.9		99.0	80-120	0.562	20	
Chromium	40.0	0.50	0.012	mg/kg wet	39.9		100	80-120	1.07	20	
Lead	41.4	1.0	0.14	mg/kg wet	39.9		104	80-120	0.878	20	
Selenium	39.6	1.0	0.095	mg/kg wet	39.9		99.2	80-120	0.625	20	
Silver	3.97	0.25	0.016	mg/kg wet	3.99		99.4	80-120	0.868	20	

Matrix Spike (B1J1407-MS1)

Source: 1104903-02

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	41.3	0.52	0.057	mg/kg dry	40.8	4.58	89.9	75-125			
Barium	117	1.0	0.062	mg/kg dry	40.8	84.8	79.8	75-125			
Cadmium	37.6	0.26	0.034	mg/kg dry	40.8	<0.26	91.8	75-125			
Chromium	52.4	0.52	0.012	mg/kg dry	40.8	12.7	97.4	75-125			
Lead	47.2	1.0	0.15	mg/kg dry	40.8	10.1	90.8	75-125			
Selenium	35.7	1.0	0.099	mg/kg dry	40.8	<1.0	87.4	75-125			
Silver	3.68	0.26	0.017	mg/kg dry	4.08	<0.26	90.3	75-125			

Matrix Spike Dup (B1J1407-MSD1)

Source: 1104903-02

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	42.4	0.52	0.057	mg/kg dry	41.8	4.58	90.6	75-125	2.83	20	
Barium	127	1.0	0.062	mg/kg dry	41.8	84.8	101	75-125	7.98	20	
Cadmium	38.9	0.26	0.034	mg/kg dry	41.8	<0.26	92.8	75-125	3.42	20	
Chromium	53.0	0.52	0.012	mg/kg dry	41.8	12.7	96.6	75-125	1.19	20	
Lead	49.0	1.0	0.15	mg/kg dry	41.8	10.1	93.1	75-125	3.83	20	
Selenium	37.3	1.0	0.099	mg/kg dry	41.8	<1.0	89.3	75-125	4.50	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104905 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1407 - EPA 3050B											
Matrix Spike Dup (B1J1407-MSD1)			Source: 1104903-02			Prepared: 10/14/11 Analyzed: 10/17/11					
Silver	3.87	0.26	0.017	mg/kg dry	4.18	<0.26	92.8	75-125	5.11	20	
Batch B1J1716 - EPA 7471A											
Blank (B1J1716-BLK1)			Prepared: 10/17/11 Analyzed: 10/19/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1716-BS1)			Prepared: 10/17/11 Analyzed: 10/19/11								
Mercury	0.166	0.10	0.019	mg/kg wet	0.200		83.0	80-120			
LCS Dup (B1J1716-BSD1)			Prepared: 10/17/11 Analyzed: 10/19/11								
Mercury	0.177	0.10	0.019	mg/kg wet	0.200		88.5	80-120	6.41	20	
Matrix Spike (B1J1716-MS1)			Source: 1104855-24			Prepared: 10/17/11 Analyzed: 10/19/11					
Mercury	0.193	0.10	0.019	mg/kg dry	0.201	<0.10	96.0	75-125			
Matrix Spike Dup (B1J1716-MSD1)			Source: 1104855-24			Prepared: 10/17/11 Analyzed: 10/19/11					
Mercury	0.196	0.097	0.018	mg/kg dry	0.194	<0.097	101	75-125	1.44	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104905 Date Reported: 10/20/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1706 - General Preparation											
Duplicate (B1J1706-DUP1)											
% Solids	84.0			%		83.0			1.20	20	
Duplicate (B1J1706-DUP2)											
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1J1706-DUP3)											
% Solids	84.0			%		83.0			1.20	20	
Duplicate (B1J1706-DUP4)											
% Solids	84.0			%		86.0			2.35	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104905 Date Reported: 10/20/11
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Notes and Definitions

<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

BARR
 Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1104905

Project Number: 23/19-1092 48RE 820
 Project Name: Union East RE - ~~East~~ GCW Central
 Sample Origination State: IA (use two letter postal state abbreviation)
 COC Number: **NO 36894**

Location		Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	Number of Containers/Preservative										Total Number Of Containers			
							Water	Soil		Water					Soil								
										VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (Iared MeOH) #1	GRQ, BTEX (Iared MeOH) #1	DRO (Iared unpreserved) Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)		
1	22226-553	05	05	ft	10/11/2011	12:50	X	X												X	X	1	Analyte for RE&A metals
2	22226-554					12:50	X	X												X	X	1	
3	22226-555					13:00	X	X												X	X	1	
4	22228-551					13:30	X	X	X											X	X	3	MS/MSD
5	2222A-557					13:45	X	X												X	X	1	
6	2222A-558					13:55	X	X												X	X	1	
7	2222A-559					14:05	X	X												X	X	1	
8																							
9																							
10																							

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, B270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
 440c for custody

Relinquished By: [Signature] On Ice? N Date: 10/12/11 Time: 0545
 Received by: _____ Date: _____ Time: _____
 Relinquished By: _____ On Ice? Y N Date: _____ Time: _____
 Received by: Kelly Koebel Date: 10/12/11 Time: 1140
 Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____
 Air Bill Number: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Legend Technical Services, Inc.
 The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
 Page 10 of 10

H:\REGISTRATION\Chain of Custody Form 2009 RLG Rev. 09/01/09

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
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88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 21, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104906
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/12/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

Handwritten signature of Bach Pham in black ink.

Bach Pham
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Triet Le
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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
16T-SS1_0.5-0.5	1104906-01	Soil	10/11/11 08:45	10/12/11 11:40
16T-SS2_0.5-0.5	1104906-02	Soil	10/11/11 09:00	10/12/11 11:40
16T-SS3_0.5-0.5	1104906-03	Soil	10/11/11 09:15	10/12/11 11:40
32T-SS1_0.5-0.5	1104906-04	Soil	10/11/11 09:30	10/12/11 11:40
32T-SS2_0.5-0.5	1104906-05	Soil	10/11/11 09:40	10/12/11 11:40
32T-SS3_0.5-0.5	1104906-06	Soil	10/11/11 09:50	10/12/11 11:40
101A-SS2_0.5-0.5	1104906-07	Soil	10/11/11 10:15	10/12/11 11:40
101A-SS3_0.5-0.5	1104906-08	Soil	10/11/11 11:15	10/12/11 11:40
101A-SS4_0.5-0.5	1104906-09	Soil	10/11/11 11:20	10/12/11 11:40
220B-SS2_0.5-0.5	1104906-10	Soil	10/11/11 14:40	10/12/11 11:40
706A-SS6_0.5-0.5	1104906-11	Soil	10/11/11 16:00	10/12/11 11:40
706A-SS5_0.5-0.5	1104906-12	Soil	10/11/11 16:15	10/12/11 11:40
706A-SS4_0.5-0.5	1104906-13	Soil	10/11/11 16:20	10/12/11 11:40
706A-SS3_0.5-0.5	1104906-14	Soil	10/11/11 16:25	10/12/11 11:40
706A-SS2_0.5-0.5	1104906-15	Soil	10/11/11 16:30	10/12/11 11:40
M-1	1104906-16	Soil	10/11/11 00:00	10/12/11 11:40
M-2	1104906-17	Soil	10/11/11 00:00	10/12/11 11:40

Shipping Container Information

Default Cooler Temperature (°C): 4.4

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
16T-SS1_0.5-0.5 (1104906-01) Soil Sampled: 10/11/11 08:45 Received: 10/12/11 11:40										
Arsenic	6.0	0.52	0.057	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	130	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	16	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	17	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1907	10/19/11	10/19/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
16T-SS2_0.5-0.5 (1104906-02) Soil Sampled: 10/11/11 09:00 Received: 10/12/11 11:40										
Arsenic	5.9	0.57	0.062	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	140	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	17	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	23	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
16T-SS3_0.5-0.5 (1104906-03) Soil Sampled: 10/11/11 09:15 Received: 10/12/11 11:40										
Arsenic	5.0	0.54	0.060	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
32T-SS1_0.5-0.5 (1104906-04) Soil Sampled: 10/11/11 09:30 Received: 10/12/11 11:40										
Arsenic	7.4	0.52	0.057	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	48	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	0.27	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	11	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	16	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	12	0.10	0.020	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
32T-SS2_0.5-0.5 (1104906-05) Soil Sampled: 10/11/11 09:40 Received: 10/12/11 11:40										
Arsenic	6.1	0.49	0.054	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Barium	38	0.98	0.059	mg/kg dry	1	"	"	"	"	
Cadmium	0.59	0.25	0.032	mg/kg dry	1	"	"	"	"	
Chromium	10	0.49	0.012	mg/kg dry	1	"	"	"	"	
Lead	45	0.98	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<0.98	0.98	0.093	mg/kg dry	1	B1J1407	10/14/11	10/17/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32T-SS3_0.5-0.5 (1104906-06) Soil Sampled: 10/11/11 09:50 Received: 10/12/11 11:40										
Arsenic	12	0.52	0.057	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
706A-SS6_0.5-0.5 (1104906-11) Soil Sampled: 10/11/11 16:00 Received: 10/12/11 11:40										
Arsenic	5.1	0.55	0.060	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Barium	76	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	15	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	16	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	1.0	0.10	0.020	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
706A-SS5_0.5-0.5 (1104906-12) Soil Sampled: 10/11/11 16:15 Received: 10/12/11 11:40										
Arsenic	3.4	0.53	0.059	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Barium	48	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	12	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	29	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	0.30	0.11	0.020	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
706A-SS4_0.5-0.5 (1104906-13) Soil Sampled: 10/11/11 16:20 Received: 10/12/11 11:40										
Arsenic	4.2	0.53	0.058	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Barium	59	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	0.35	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	13	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	18	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
706A-SS3_0.5-0.5 (1104906-14) Soil Sampled: 10/11/11 16:25 Received: 10/12/11 11:40										
Arsenic	3.5	0.49	0.053	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Barium	57	0.97	0.058	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	12	0.49	0.012	mg/kg dry	1	"	"	"	"	
Lead	14	0.97	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.090	0.090	0.017	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<0.97	0.97	0.092	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Silver	<0.24	0.24	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-SS2_0.5-0.5 (1104906-15) Soil Sampled: 10/11/11 16:30 Received: 10/12/11 11:40										
Arsenic	4.2	0.53	0.059	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Barium	72	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	11	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	15	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	0.21	0.11	0.020	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
M-1 (1104906-16) Soil Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
Arsenic	7.4	0.53	0.058	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Barium	49	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	0.27	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	9.8	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	15	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.017	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
101A-SS2_0.5-0.5 (1104906-07) Soil Sampled: 10/11/11 10:15 Received: 10/12/11 11:40										
Aroclor 1016	<0.21	0.21	0.0081	mg/kg dry	1	B1J1702	10/17/11	10/19/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	88.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	87.5			60.9-138 %		"	"	"	"	
101A-SS3_0.5-0.5 (1104906-08) Soil Sampled: 10/11/11 11:15 Received: 10/12/11 11:40										
Aroclor 1016	<0.22	0.22	0.0089	mg/kg dry	1	B1J1702	10/17/11	10/19/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.026	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.045	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.045	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.22	0.22	0.0066	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	91.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	96.0			60.9-138 %		"	"	"	"	
101A-SS4_0.5-0.5 (1104906-09) Soil Sampled: 10/11/11 11:20 Received: 10/12/11 11:40										
Aroclor 1016	<0.22	0.22	0.0086	mg/kg dry	1	B1J1702	10/17/11	10/19/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	2.3	1.1	0.032	mg/kg dry	5	"	"	10/19/11	"	
Surrogate: Decachlorobiphenyl	84.0			65.3-143 %		"	"	10/19/11	"	
Surrogate: Tetrachloro-meta-xylene	89.0			60.9-138 %		"	"	"	"	
M-2 (1104906-17) Soil Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
Aroclor 1016	<0.21	0.21	0.0081	mg/kg dry	1	B1J1702	10/17/11	10/19/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	77.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	84.0			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
16T-SS1_0.5-0.5 (1104906-01) Soil	Sampled: 10/11/11 08:45		Received: 10/12/11 11:40							
% Solids	91			%	1	B1J1911	10/19/11	10/19/11	% calculation	
16T-SS2_0.5-0.5 (1104906-02) Soil	Sampled: 10/11/11 09:00		Received: 10/12/11 11:40							
% Solids	88			%	1	B1J1911	10/19/11	10/19/11	% calculation	
16T-SS3_0.5-0.5 (1104906-03) Soil	Sampled: 10/11/11 09:15		Received: 10/12/11 11:40							
% Solids	92			%	1	B1J1911	10/19/11	10/19/11	% calculation	
32T-SS1_0.5-0.5 (1104906-04) Soil	Sampled: 10/11/11 09:30		Received: 10/12/11 11:40							
% Solids	96			%	1	B1J1911	10/19/11	10/19/11	% calculation	
32T-SS2_0.5-0.5 (1104906-05) Soil	Sampled: 10/11/11 09:40		Received: 10/12/11 11:40							
% Solids	96			%	1	B1J1911	10/19/11	10/19/11	% calculation	
32T-SS3_0.5-0.5 (1104906-06) Soil	Sampled: 10/11/11 09:50		Received: 10/12/11 11:40							
% Solids	97			%	1	B1J1911	10/19/11	10/19/11	% calculation	
101A-SS2_0.5-0.5 (1104906-07) Soil	Sampled: 10/11/11 10:15		Received: 10/12/11 11:40							
% Solids	97			%	1	B1J1911	10/19/11	10/19/11	% calculation	
101A-SS3_0.5-0.5 (1104906-08) Soil	Sampled: 10/11/11 11:15		Received: 10/12/11 11:40							
% Solids	89			%	1	B1J1911	10/19/11	10/19/11	% calculation	
101A-SS4_0.5-0.5 (1104906-09) Soil	Sampled: 10/11/11 11:20		Received: 10/12/11 11:40							
% Solids	92			%	1	B1J1911	10/19/11	10/19/11	% calculation	
220B-SS2_0.5-0.5 (1104906-10) Soil	Sampled: 10/11/11 14:40		Received: 10/12/11 11:40							
% Solids	94			%	1	B1J1911	10/19/11	10/19/11	% calculation	
706A-SS6_0.5-0.5 (1104906-11) Soil	Sampled: 10/11/11 16:00		Received: 10/12/11 11:40							
% Solids	91			%	1	B1J1911	10/19/11	10/19/11	% calculation	
706A-SS5_0.5-0.5 (1104906-12) Soil	Sampled: 10/11/11 16:15		Received: 10/12/11 11:40							
% Solids	94			%	1	B1J1911	10/19/11	10/19/11	% calculation	
706A-SS4_0.5-0.5 (1104906-13) Soil	Sampled: 10/11/11 16:20		Received: 10/12/11 11:40							
% Solids	95			%	1	B1J1911	10/19/11	10/19/11	% calculation	
706A-SS3_0.5-0.5 (1104906-14) Soil	Sampled: 10/11/11 16:25		Received: 10/12/11 11:40							
% Solids	97			%	1	B1J1911	10/19/11	10/19/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-SS2_0.5-0.5 (1104906-15) Soil Sampled: 10/11/11 16:30 Received: 10/12/11 11:40										
% Solids	94			%	1	B1J1911	10/19/11	10/19/11	% calculation	
M-1 (1104906-16) Soil Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
% Solids	95			%	1	B1J1911	10/19/11	10/19/11	% calculation	
M-2 (1104906-17) Soil Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
% Solids	97			%	1	B1J1911	10/19/11	10/19/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220B-SS2_0.5-0.5 (1104906-10) Soil Sampled: 10/11/11 14:40 Received: 10/12/11 11:40										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.075	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.31	0.35	0.046	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220B-SS2_0.5-0.5 (1104906-10) Soil Sampled: 10/11/11 14:40 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.049	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.13	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.053	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	0.062	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	86.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	81.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	70.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1407 - EPA 3050B

Blank (B1J1407-BLK1)

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1407-BS1)

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	39.3	0.50	0.055	mg/kg wet	39.9		98.4	80-120			
Barium	41.3	1.0	0.060	mg/kg wet	39.9		103	80-120			
Cadmium	39.3	0.25	0.033	mg/kg wet	39.9		98.5	80-120			
Chromium	39.6	0.50	0.012	mg/kg wet	39.9		99.3	80-120			
Lead	41.0	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	39.3	1.0	0.095	mg/kg wet	39.9		98.6	80-120			
Silver	3.93	0.25	0.016	mg/kg wet	3.99		98.6	80-120			

LCS Dup (B1J1407-BSD1)

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	39.6	0.50	0.055	mg/kg wet	39.9		99.1	80-120	0.750	20	
Barium	40.6	1.0	0.060	mg/kg wet	39.9		102	80-120	1.64	20	
Cadmium	39.5	0.25	0.033	mg/kg wet	39.9		99.0	80-120	0.562	20	
Chromium	40.0	0.50	0.012	mg/kg wet	39.9		100	80-120	1.07	20	
Lead	41.4	1.0	0.14	mg/kg wet	39.9		104	80-120	0.878	20	
Selenium	39.6	1.0	0.095	mg/kg wet	39.9		99.2	80-120	0.625	20	
Silver	3.97	0.25	0.016	mg/kg wet	3.99		99.4	80-120	0.868	20	

Matrix Spike (B1J1407-MS1)

Source: 1104903-02

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	41.3	0.52	0.057	mg/kg dry	40.8	4.58	89.9	75-125			
Barium	117	1.0	0.062	mg/kg dry	40.8	84.8	79.8	75-125			
Cadmium	37.6	0.26	0.034	mg/kg dry	40.8	<0.26	91.8	75-125			
Chromium	52.4	0.52	0.012	mg/kg dry	40.8	12.7	97.4	75-125			
Lead	47.2	1.0	0.15	mg/kg dry	40.8	10.1	90.8	75-125			
Selenium	35.7	1.0	0.099	mg/kg dry	40.8	<1.0	87.4	75-125			
Silver	3.68	0.26	0.017	mg/kg dry	4.08	<0.26	90.3	75-125			

Matrix Spike Dup (B1J1407-MSD1)

Source: 1104903-02

Prepared: 10/14/11 Analyzed: 10/17/11

Arsenic	42.4	0.52	0.057	mg/kg dry	41.8	4.58	90.6	75-125	2.83	20	
Barium	127	1.0	0.062	mg/kg dry	41.8	84.8	101	75-125	7.98	20	
Cadmium	38.9	0.26	0.034	mg/kg dry	41.8	<0.26	92.8	75-125	3.42	20	
Chromium	53.0	0.52	0.012	mg/kg dry	41.8	12.7	96.6	75-125	1.19	20	
Lead	49.0	1.0	0.15	mg/kg dry	41.8	10.1	93.1	75-125	3.83	20	
Selenium	37.3	1.0	0.099	mg/kg dry	41.8	<1.0	89.3	75-125	4.50	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1407 - EPA 3050B

Matrix Spike Dup (B1J1407-MSD1)

Source: 1104903-02

Prepared: 10/14/11 Analyzed: 10/17/11

Silver	3.87	0.26	0.017	mg/kg dry	4.18	<0.26	92.8	75-125	5.11	20	
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Batch B1J1703 - EPA 3050B

Blank (B1J1703-BLK1)

Prepared & Analyzed: 10/17/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1703-BS1)

Prepared & Analyzed: 10/17/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120			
Barium	41.5	1.0	0.060	mg/kg wet	39.9		104	80-120			
Cadmium	40.4	0.25	0.033	mg/kg wet	39.9		101	80-120			
Chromium	40.9	0.50	0.012	mg/kg wet	39.9		102	80-120			
Lead	42.2	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	40.2	1.0	0.095	mg/kg wet	39.9		101	80-120			
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120			

LCS Dup (B1J1703-BSD1)

Prepared & Analyzed: 10/17/11

Arsenic	40.8	0.50	0.055	mg/kg wet	39.9		102	80-120	0.838	20	
Barium	41.4	1.0	0.060	mg/kg wet	39.9		104	80-120	0.223	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	0.892	20	
Chromium	41.2	0.50	0.012	mg/kg wet	39.9		103	80-120	0.864	20	
Lead	42.6	1.0	0.14	mg/kg wet	39.9		107	80-120	0.945	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	1.80	20	
Silver	4.11	0.25	0.016	mg/kg wet	3.99		103	80-120	1.19	20	

Matrix Spike (B1J1703-MS1)

Source: 1104906-11

Prepared & Analyzed: 10/17/11

Arsenic	43.6	0.52	0.057	mg/kg dry	41.6	5.09	92.7	75-125			
Barium	117	1.0	0.063	mg/kg dry	41.6	76.5	97.1	75-125			
Cadmium	39.3	0.26	0.034	mg/kg dry	41.6	0.260	94.0	75-125			
Chromium	53.7	0.52	0.013	mg/kg dry	41.6	15.4	92.1	75-125			
Lead	55.1	1.0	0.15	mg/kg dry	41.6	16.0	94.0	75-125			
Selenium	38.0	1.0	0.099	mg/kg dry	41.6	<1.0	91.4	75-125			
Silver	3.86	0.26	0.017	mg/kg dry	4.16	<0.26	92.9	75-125			

Matrix Spike Dup (B1J1703-MSD1)

Source: 1104906-11

Prepared & Analyzed: 10/17/11

Arsenic	43.9	0.52	0.057	mg/kg dry	41.5	5.09	93.6	75-125	0.756	20	
Barium	118	1.0	0.062	mg/kg dry	41.5	76.5	101	75-125	1.20	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1703 - EPA 3050B											
Matrix Spike Dup (B1J1703-MSD1)			Source: 1104906-11			Prepared & Analyzed: 10/17/11					
Cadmium	39.7	0.26	0.034	mg/kg dry	41.5	0.260	95.0	75-125	0.844	20	
Chromium	54.3	0.52	0.012	mg/kg dry	41.5	15.4	93.8	75-125	1.21	20	
Lead	58.2	1.0	0.15	mg/kg dry	41.5	16.0	102	75-125	5.49	20	
Selenium	38.4	1.0	0.099	mg/kg dry	41.5	<1.0	92.6	75-125	1.19	20	
Silver	3.94	0.26	0.017	mg/kg dry	4.15	<0.26	94.9	75-125	2.00	20	
Batch B1J1907 - EPA 7471A											
Blank (B1J1907-BLK1)			Prepared & Analyzed: 10/19/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1907-BS1)			Prepared & Analyzed: 10/19/11								
Mercury	0.173	0.10	0.019	mg/kg wet	0.200		86.5	80-120			
LCS Dup (B1J1907-BSD1)			Prepared & Analyzed: 10/19/11								
Mercury	0.189	0.10	0.019	mg/kg wet	0.200		94.5	80-120	8.84	20	
Matrix Spike (B1J1907-MS1)			Source: 1104906-01			Prepared & Analyzed: 10/19/11					
Mercury	0.258	0.11	0.021	mg/kg dry	0.211	<0.11	91.0	75-125			
Matrix Spike Dup (B1J1907-MSD1)			Source: 1104906-01			Prepared & Analyzed: 10/19/11					
Mercury	0.263	0.11	0.021	mg/kg dry	0.210	<0.11	93.8	75-125	1.82	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1702 - EPA 3545 ASE Extraction											
Blank (B1J1702-BLK1)											
						Prepared: 10/17/11 Analyzed: 10/18/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0557			mg/kg wet	0.0667		83.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0563			mg/kg wet	0.0667		84.5	60.9-138			
LCS (B1J1702-BS1)											
						Prepared: 10/17/11 Analyzed: 10/18/11					
Aroclor 1260	0.316	0.20	0.0059	mg/kg wet	0.333		94.7	70-130			
Surrogate: Decachlorobiphenyl	0.0587			mg/kg wet	0.0667		88.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0590			mg/kg wet	0.0667		88.5	60.9-138			
Matrix Spike (B1J1702-MS1)											
						Source: 1104902-01 Prepared: 10/17/11 Analyzed: 10/18/11					
Aroclor 1260	0.380	0.24	0.0070	mg/kg dry	0.398	<0.24	95.5	70-130			
Surrogate: Decachlorobiphenyl	0.0708			mg/kg dry	0.0795		89.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0728			mg/kg dry	0.0795		91.5	60.9-138			
Matrix Spike Dup (B1J1702-MSD1)											
						Source: 1104902-01 Prepared: 10/17/11 Analyzed: 10/18/11					
Aroclor 1260	0.373	0.24	0.0070	mg/kg dry	0.399	<0.24	93.4	70-130	1.89	17.2	
Surrogate: Decachlorobiphenyl	0.0690			mg/kg dry	0.0798		86.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0646			mg/kg dry	0.0798		81.0	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J1911 - General Preparation												
Duplicate (B1J1911-DUP1)							Source: 1104906-10					Prepared & Analyzed: 10/19/11
% Solids	94.0			%		94.0			0.00	20		
Duplicate (B1J1911-DUP2)							Source: 1104912-03					Prepared & Analyzed: 10/19/11
% Solids	98.0			%		98.0			0.00	20		
Duplicate (B1J1911-DUP3)							Source: 1104912-13					Prepared & Analyzed: 10/19/11
% Solids	92.0			%		92.0			0.00	20		
Duplicate (B1J1911-DUP4)							Source: 1105038-01					Prepared & Analyzed: 10/19/11
% Solids	98.0			%		98.0			0.00	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Blank (B1J1903-BLK1)

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Blank (B1J1903-BLK1)

Prepared & Analyzed: 10/19/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.61			mg/kg wet	6.67		69.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.53			mg/kg wet	6.67		68.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.26			mg/kg wet	6.67		63.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.28			mg/kg wet	6.67		64.1	48.9-100			
Surrogate: Phenol-d6	4.12			mg/kg wet	6.67		61.9	50.4-99.6			
Surrogate: Terphenyl-d14	6.03			mg/kg wet	6.67		90.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

LCS (B1J1903-BS1)

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.11	0.33	0.031	mg/kg wet	6.67		61.6	59.1-87.7			
1,4-Dichlorobenzene	4.01	0.33	0.029	mg/kg wet	6.67		60.1	50.3-72.9			
2,4-Dinitrotoluene	4.72	0.33	0.035	mg/kg wet	6.67		70.8	59.8-82.2			
2-Chlorophenol	4.41	0.67	0.060	mg/kg wet	6.67		66.2	59.7-77.3			
4-Chloro-3-methylphenol	4.47	0.67	0.066	mg/kg wet	6.67		67.0	63.6-80.4			
4-Nitrophenol	4.27	0.67	0.093	mg/kg wet	6.67		64.1	57.3-84.9			
Anthracene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.3-88			
Benzo(a)anthracene	5.48	0.33	0.041	mg/kg wet	6.67		82.3	66.5-90.5			
Benzo(a)pyrene	5.68	0.33	0.042	mg/kg wet	6.67		85.2	66.1-89.7			
Chrysene	5.31	0.33	0.044	mg/kg wet	6.67		79.7	65.5-90.5			
Fluoranthene	5.56	0.33	0.039	mg/kg wet	6.67		83.5	66.7-89.9			
Fluorene	5.20	0.33	0.035	mg/kg wet	6.67		78.0	66.2-85.6			
N-Nitrosodi-n-propylamine	4.22	0.33	0.033	mg/kg wet	6.67		63.3	59.4-78			
Pentachlorophenol	3.34	0.67	0.078	mg/kg wet	6.67		50.1	46.7-83.2			
Phenanthrene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.5-87.9			
Phenol	4.26	0.67	0.069	mg/kg wet	6.67		63.9	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.49			mg/kg wet	6.67		67.4	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.52			mg/kg wet	6.67		67.8	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	3.99			mg/kg wet	6.67		59.9	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.22			mg/kg wet	6.67		63.3	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.36			mg/kg wet	6.67		65.4	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.79			mg/kg wet	6.67		71.9	51-99.6			

Matrix Spike (B1J1903-MS1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.49	0.33	0.031	mg/kg dry	6.82	<0.33	65.8	44.8-97.9			
1,4-Dichlorobenzene	3.99	0.33	0.029	mg/kg dry	6.82	<0.33	58.6	42.3-77.9			
2,4-Dinitrotoluene	5.30	0.33	0.035	mg/kg dry	6.82	<0.33	77.7	57.3-86.6			
2-Chlorophenol	4.25	0.68	0.061	mg/kg dry	6.82	<0.68	62.3	43.3-93.2			
4-Chloro-3-methylphenol	5.11	0.68	0.067	mg/kg dry	6.82	<0.68	74.9	47.1-97.6			
4-Nitrophenol	5.32	0.68	0.094	mg/kg dry	6.82	<0.68	77.9	49.3-96.2			
Anthracene	5.44	0.33	0.036	mg/kg dry	6.82	<0.33	79.7	67.5-93.1			
Benzo(a)anthracene	5.69	0.33	0.041	mg/kg dry	6.82	<0.33	83.4	59.8-95.7			
Benzo(a)pyrene	5.26	0.33	0.042	mg/kg dry	6.82	<0.33	77.1	59.8-92.7			
Chrysene	5.80	0.33	0.044	mg/kg dry	6.82	<0.33	85.0	62.5-94.6			
Fluoranthene	5.27	0.33	0.039	mg/kg dry	6.82	<0.33	77.2	61.3-92.8			
Fluorene	5.13	0.33	0.035	mg/kg dry	6.82	<0.33	75.2	62.8-92.6			
N-Nitrosodi-n-propylamine	4.58	0.33	0.033	mg/kg dry	6.82	<0.33	67.1	46.9-89.9			
Pentachlorophenol	4.07	0.68	0.079	mg/kg dry	6.82	<0.68	59.6	40.1-95.1			
Phenanthrene	5.40	0.33	0.036	mg/kg dry	6.82	<0.33	79.2	65.2-92.2			
Phenol	4.36	0.68	0.070	mg/kg dry	6.82	<0.68	64.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Matrix Spike (B1J1903-MS1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

Surrogate: 2,4,6-Tribromophenol	5.70			mg/kg dry	6.82		83.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.43			mg/kg dry	6.82		64.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.17			mg/kg dry	6.82		61.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.37			mg/kg dry	6.82		64.1	48.9-100			
Surrogate: Phenol-d6	4.59			mg/kg dry	6.82		67.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.91			mg/kg dry	6.82		72.1	51-99.6			

Matrix Spike Dup (B1J1903-MSD1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.02	0.33	0.031	mg/kg dry	6.74	<0.33	59.7	44.8-97.9	11.0	19.6	
1,4-Dichlorobenzene	3.53	0.33	0.029	mg/kg dry	6.74	<0.33	52.3	42.3-77.9	12.4	22.4	
2,4-Dinitrotoluene	5.11	0.33	0.035	mg/kg dry	6.74	<0.33	75.8	57.3-86.6	3.64	19.5	
2-Chlorophenol	3.82	0.68	0.061	mg/kg dry	6.74	<0.68	56.7	43.3-93.2	10.7	23.7	
4-Chloro-3-methylphenol	4.86	0.68	0.067	mg/kg dry	6.74	<0.68	72.1	47.1-97.6	5.03	18.3	
4-Nitrophenol	5.21	0.68	0.094	mg/kg dry	6.74	<0.68	77.3	49.3-96.2	1.99	20.4	
Anthracene	5.28	0.33	0.036	mg/kg dry	6.74	<0.33	78.4	67.5-93.1	2.91	19.9	
Benzo(a)anthracene	5.57	0.33	0.041	mg/kg dry	6.74	<0.33	82.7	59.8-95.7	2.08	23.4	
Benzo(a)pyrene	5.16	0.33	0.042	mg/kg dry	6.74	<0.33	76.6	59.8-92.7	1.88	21.1	
Chrysene	5.69	0.33	0.044	mg/kg dry	6.74	<0.33	84.5	62.5-94.6	1.81	24.8	
Fluoranthene	5.15	0.33	0.039	mg/kg dry	6.74	<0.33	76.5	61.3-92.8	2.21	21.8	
Fluorene	4.90	0.33	0.035	mg/kg dry	6.74	<0.33	72.7	62.8-92.6	4.58	17.6	
N-Nitrosodi-n-propylamine	4.17	0.33	0.033	mg/kg dry	6.74	<0.33	61.9	46.9-89.9	9.23	18.9	
Pentachlorophenol	4.00	0.68	0.079	mg/kg dry	6.74	<0.68	59.4	40.1-95.1	1.54	19.7	
Phenanthrene	5.22	0.33	0.036	mg/kg dry	6.74	<0.33	77.5	65.2-92.2	3.40	20.5	
Phenol	3.97	0.68	0.070	mg/kg dry	6.74	<0.68	59.0	44.7-91	9.39	17.9	
Surrogate: 2,4,6-Tribromophenol	5.50			mg/kg dry	6.74		81.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.13			mg/kg dry	6.74		61.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.68			mg/kg dry	6.74		54.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg dry	6.74		58.3	48.9-100			
Surrogate: Phenol-d6	4.18			mg/kg dry	6.74		62.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.81			mg/kg dry	6.74		71.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104906 Date Reported: 10/21/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
J	Parameter was present between the MDL and RL and should be considered an estimated value
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)



Chain of Custody

4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1104906

Project Number: 23/19-1092 U&RE 820
 Project Name: Umore East RI - ABC Line
 Sample Origination State: MM (use two letter postal state abbreviation)
 COC Number: **NO 37377**

Location		Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	Number of Containers/Preservative										Total Number of Containers	COC <u>1</u> of <u>2</u>						
							Water	Soil	Grab	QC	VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRX, BTEX (tared MeOH) #1			DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	PCBs	
1	16T-SS1	0.5	0.5	FT	0/11/2011	8:45	X	X																			Analyze RECA metals
2	16T-SS2					9:00	X	X																			
3	16T-SS3					9:15	X	X																			Analyze Aroclor ONLY
4	32T-SS1					9:30	X	X																			Analyze RECA metals
5	32T-SS2					9:40	X	X																			
6	32T-SS3					9:50	X	X																			Analyze Aroclor ONLY
7	101A-SS2					10:15	X	X																			Analyze for PCBs
8	101A-SS3					11:15	X	X																			
9	101A-SS4					11:20	X	X																			
10	220B-SS2					14:40	X	X																			Analyze for SVOCs

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRX, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
 4.400 pH/cust.

Relinquished By: [Signature] On Ice? N Date: 10/11/11 Time: 0545 Received by: _____ Date: _____ Time: _____
 Relinquished By: _____ On Ice? Y Date: _____ Time: _____ Received by: Kelley Beck Date: 10/12/11 Time: 1146
 Samples Shipped VIA: Air Freight Federal Express Sampler Air Bill Number: _____
 Other: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab. Coordinator

REPLACED FORMER CHAIN OF CUSTODY FORM 2009 RLS Rev. 09/01/09

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Legend Technical Services, Inc. The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Chain of Custody
BARR 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1104906

Project Number: 23/19-1092 USRC 820
 Project Name: Ump East Rd - ABC Lane
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: No 37379

Number of Containers/Preservative											Total Number Of Containers	
Water					Soil					COC <u>2</u> of <u>2</u>		
VOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #7	DRO (tared unpreserved)	Metals (unpreserved)			SVOCS (unpreserved) #2

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	VOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #7	DRO (tared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	
						Water	Soil	Grab	Comp.															
1. <u>706A-556</u>	<u>0.5</u>	<u>0.5</u>	<u>ft</u>	<u>10/11/2011</u>	<u>16:00</u>	X	X														X	X		1
2. <u>706A-555</u>					<u>16:15</u>	X	X														X	X		1
3. <u>706A-554</u>					<u>16:20</u>	X	X														X	X		1
4. <u>706A-553</u>					<u>16:25</u>	X	X														X	X		1
5. <u>706A-552</u>					<u>16:30</u>	X	X														X	X		1
6. <u>M-1</u>						X	X	X													X	X		1
7. <u>M-2</u>						X	X	X													X	X		1
8.																								1
9.																								1
10.																								1

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TRN
4.426 / cont.

Relinquished By: <u>[Signature]</u>	On Ice? <u>0</u>	Date: <u>10/11/11</u>	Time: <u>0945</u>	Received by:	Date:	Time:
Relinquished By:	On Ice? <u>Y</u>	Date:	Time:	Received by: <u>[Signature]</u>	Date: <u>10/21/11</u>	Time: <u>140</u>
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler			Air Bill Number:			
<input type="checkbox"/> Other: _____						

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Legend Technical Services, Inc.
 The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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H:\BARR\TDC\Chain of Custody Form 2008 RLG Rev. 06/01/09



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 20, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104907
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 10/12/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of the original report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "T-LE", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
10SD-TT13_0.5-0.5	1104907-01	Soil	10/11/11 15:00	10/12/11 11:40
10SD-TT19_0.5-0.5	1104907-02	Soil	10/11/11 15:15	10/12/11 11:40
FB-1	1104907-03	Water	10/11/11 00:00	10/12/11 11:40

Shipping Container Information

Default Cooler Temperature (°C): 4.4

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

An LCS/LCSD/MS was prepared and analyzed for 8270 SVOC water batch B1J1806 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

This report was revised on October 20, 2011 to include missing LCS/LCSD/MS data for 8270 SVOC water batch B1J1806 and to include the 3005A digestion method used for the total metals analysis in batch B1J1308. This report supercedes the report dated October 19, 2011.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT13_0.5-0.5 (1104907-01) Soil Sampled: 10/11/11 15:00 Received: 10/12/11 11:40										
Arsenic	4.5	0.54	0.059	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Barium	68	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	16	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1313	10/13/11	10/18/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
10SD-TT19_0.5-0.5 (1104907-02) Soil Sampled: 10/11/11 15:15 Received: 10/12/11 11:40										
Arsenic	7.6	0.51	0.057	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Barium	84	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	0.36	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	19	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	38	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1313	10/13/11	10/18/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1J1703	10/17/11	10/17/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
FB-1 (1104907-03) Water Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1J1308	10/13/11	10/13/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1J1315	10/13/11	10/17/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1J1308	10/13/11	10/13/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT13_0.5-0.5 (1104907-01) Soil Sampled: 10/11/11 15:00 Received: 10/12/11 11:40										
% Solids	93			%	1	B1J1406	10/14/11	10/14/11	% calculation	
10SD-TT19_0.5-0.5 (1104907-02) Soil Sampled: 10/11/11 15:15 Received: 10/12/11 11:40										
% Solids	92			%	1	B1J1406	10/14/11	10/14/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT19_0.5-0.5 (1104907-02) Soil Sampled: 10/11/11 15:15 Received: 10/12/11 11:40										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT19_0.5-0.5 (1104907-02) Soil Sampled: 10/11/11 15:15 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	79.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	82.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-1 (1104907-03) Water **Sampled: 10/11/11 00:00** **Received: 10/12/11 11:40**

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1J1806	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1104907-03) Water Sampled: 10/11/11 00:00 Received: 10/12/11 11:40										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1J1806	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	T-1
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.8			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.4			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.9			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.4			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	61.6			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.5			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1308 - EPA 200.7/3005A Digestion

Blank (B1J1308-BLK1)

Prepared & Analyzed: 10/13/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1J1308-BS1)

Prepared & Analyzed: 10/13/11

Arsenic	0.396	0.010	0.0011	mg/L	0.399		99.2	80-120			
Barium	0.413	0.020	0.0012	mg/L	0.399		104	80-120			
Cadmium	0.394	0.0010	0.00013	mg/L	0.399		98.6	80-120			
Chromium	0.402	0.010	0.00024	mg/L	0.399		101	80-120			
Lead	0.415	0.0030	0.00042	mg/L	0.399		104	80-120			
Selenium	0.393	0.020	0.0019	mg/L	0.399		98.5	80-120			
Silver	0.0399	0.0050	0.00031	mg/L	0.0399		100	80-120			

LCS Dup (B1J1308-BSD1)

Prepared & Analyzed: 10/13/11

Arsenic	0.401	0.010	0.0011	mg/L	0.399		101	80-120	1.35	20	
Barium	0.424	0.020	0.0012	mg/L	0.399		106	80-120	2.60	20	
Cadmium	0.399	0.0010	0.00013	mg/L	0.399		100	80-120	1.41	20	
Chromium	0.408	0.010	0.00024	mg/L	0.399		102	80-120	1.42	20	
Lead	0.422	0.0030	0.00042	mg/L	0.399		106	80-120	1.58	20	
Selenium	0.403	0.020	0.0019	mg/L	0.399		101	80-120	2.40	20	
Silver	0.0411	0.0050	0.00031	mg/L	0.0399		103	80-120	2.93	20	

Matrix Spike (B1J1308-MS1)

Source: 1104916-14

Prepared & Analyzed: 10/13/11

Arsenic	0.398	0.010	0.0011	mg/L	0.399	<0.010	99.7	75-125			
Barium	0.423	0.020	0.0012	mg/L	0.399	<0.020	105	75-125			
Cadmium	0.396	0.0010	0.00013	mg/L	0.399	<0.0010	99.3	75-125			
Chromium	0.405	0.010	0.00024	mg/L	0.399	<0.010	101	75-125			
Lead	0.418	0.0030	0.00042	mg/L	0.399	<0.0030	105	75-125			
Selenium	0.393	0.020	0.0019	mg/L	0.399	<0.020	98.5	75-125			
Silver	0.0405	0.0050	0.00031	mg/L	0.0399	<0.0050	101	75-125			

Matrix Spike Dup (B1J1308-MSD1)

Source: 1104916-14

Prepared & Analyzed: 10/13/11

Arsenic	0.398	0.010	0.0011	mg/L	0.399	<0.010	99.8	75-125	0.0734	20	
Barium	0.421	0.020	0.0012	mg/L	0.399	<0.020	105	75-125	0.324	20	
Cadmium	0.397	0.0010	0.00013	mg/L	0.399	<0.0010	99.5	75-125	0.155	20	
Chromium	0.407	0.010	0.00024	mg/L	0.399	<0.010	102	75-125	0.518	20	
Lead	0.421	0.0030	0.00042	mg/L	0.399	<0.0030	106	75-125	0.830	20	
Selenium	0.397	0.020	0.0019	mg/L	0.399	<0.020	99.5	75-125	1.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1308 - EPA 200.7/3005A Digestion											
Matrix Spike Dup (B1J1308-MSD1)		Source: 1104916-14			Prepared & Analyzed: 10/13/11						
Mercury	0.0397	0.0050	0.00031	mg/L	0.0399	<0.0050	99.6	75-125	1.85	20	
Batch B1J1313 - EPA 7471A											
Blank (B1J1313-BLK1)		Prepared: 10/13/11 Analyzed: 10/17/11									
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1313-BS1)		Prepared: 10/13/11 Analyzed: 10/17/11									
Mercury	0.205	0.10	0.019	mg/kg wet	0.200		102	80-120			
LCS Dup (B1J1313-BSD1)		Prepared: 10/13/11 Analyzed: 10/17/11									
Mercury	0.222	0.10	0.019	mg/kg wet	0.200		111	80-120	7.96	20	
Matrix Spike (B1J1313-MS1)		Source: 1104851-01			Prepared: 10/13/11 Analyzed: 10/17/11						
Mercury	0.244	0.11	0.021	mg/kg dry	0.216	<0.11	96.4	75-125			
Matrix Spike Dup (B1J1313-MSD1)		Source: 1104851-01			Prepared: 10/13/11 Analyzed: 10/17/11						
Mercury	0.272	0.11	0.021	mg/kg dry	0.229	<0.11	103	75-125	10.7	20	
Batch B1J1315 - EPA 245.1/7470A Digestion											
Blank (B1J1315-BLK1)		Prepared: 10/13/11 Analyzed: 10/14/11									
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1J1315-BS1)		Prepared: 10/13/11 Analyzed: 10/14/11									
Mercury	0.00206	0.00020	0.000037	mg/L	0.00200		103	80-120			
LCS Dup (B1J1315-BSD1)		Prepared: 10/13/11 Analyzed: 10/14/11									
Mercury	0.00209	0.00020	0.000037	mg/L	0.00200		104	80-120	1.45	20	
Matrix Spike (B1J1315-MS1)		Source: 1104845-09			Prepared: 10/13/11 Analyzed: 10/17/11						
Mercury	0.00212	0.00020	0.000037	mg/L	0.00200	<0.00020	103	75-125			
Matrix Spike Dup (B1J1315-MSD1)		Source: 1104845-09			Prepared: 10/13/11 Analyzed: 10/17/11						
Mercury	0.00210	0.00020	0.000037	mg/L	0.00200	<0.00020	102	75-125	0.948	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1703 - EPA 3050B

Blank (B1J1703-BLK1)

Prepared & Analyzed: 10/17/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1703-BS1)

Prepared & Analyzed: 10/17/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120			
Barium	41.5	1.0	0.060	mg/kg wet	39.9		104	80-120			
Cadmium	40.4	0.25	0.033	mg/kg wet	39.9		101	80-120			
Chromium	40.9	0.50	0.012	mg/kg wet	39.9		102	80-120			
Lead	42.2	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	40.2	1.0	0.095	mg/kg wet	39.9		101	80-120			
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120			

LCS Dup (B1J1703-BSD1)

Prepared & Analyzed: 10/17/11

Arsenic	40.8	0.50	0.055	mg/kg wet	39.9		102	80-120	0.838	20	
Barium	41.4	1.0	0.060	mg/kg wet	39.9		104	80-120	0.223	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	0.892	20	
Chromium	41.2	0.50	0.012	mg/kg wet	39.9		103	80-120	0.864	20	
Lead	42.6	1.0	0.14	mg/kg wet	39.9		107	80-120	0.945	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	1.80	20	
Silver	4.11	0.25	0.016	mg/kg wet	3.99		103	80-120	1.19	20	

Matrix Spike (B1J1703-MS1)

Source: 1104906-11

Prepared & Analyzed: 10/17/11

Arsenic	43.6	0.52	0.057	mg/kg dry	41.6	5.09	92.7	75-125			
Barium	117	1.0	0.063	mg/kg dry	41.6	76.5	97.1	75-125			
Cadmium	39.3	0.26	0.034	mg/kg dry	41.6	0.260	94.0	75-125			
Chromium	53.7	0.52	0.013	mg/kg dry	41.6	15.4	92.1	75-125			
Lead	55.1	1.0	0.15	mg/kg dry	41.6	16.0	94.0	75-125			
Selenium	38.0	1.0	0.099	mg/kg dry	41.6	<1.0	91.4	75-125			
Silver	3.86	0.26	0.017	mg/kg dry	4.16	<0.26	92.9	75-125			

Matrix Spike Dup (B1J1703-MSD1)

Source: 1104906-11

Prepared & Analyzed: 10/17/11

Arsenic	43.9	0.52	0.057	mg/kg dry	41.5	5.09	93.6	75-125	0.756	20	
Barium	118	1.0	0.062	mg/kg dry	41.5	76.5	101	75-125	1.20	20	
Cadmium	39.7	0.26	0.034	mg/kg dry	41.5	0.260	95.0	75-125	0.844	20	
Chromium	54.3	0.52	0.012	mg/kg dry	41.5	15.4	93.8	75-125	1.21	20	
Lead	58.2	1.0	0.15	mg/kg dry	41.5	16.0	102	75-125	5.49	20	
Selenium	38.4	1.0	0.099	mg/kg dry	41.5	<1.0	92.6	75-125	1.19	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1703 - EPA 3050B											
Matrix Spike Dup (B1J1703-MSD1)											
	Source: 1104906-11					Prepared & Analyzed: 10/17/11					
Silver	3.94	0.26	0.017	mg/kg dry	4.15	<0.26	94.9	75-125	2.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J1406 - General Preparation												
Duplicate (B1J1406-DUP1)							Source: 1104916-03					Prepared & Analyzed: 10/14/11
% Solids	99.0			%		99.0			0.00	20		
Duplicate (B1J1406-DUP2)							Source: 1104916-13					Prepared & Analyzed: 10/14/11
% Solids	88.0			%		89.0			1.13	20		
Duplicate (B1J1406-DUP3)							Source: 1104926-01					Prepared & Analyzed: 10/14/11
% Solids	91.0			%		92.0			1.09	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1801 - EPA 3545 ASE Extraction

Blank (B1J1801-BLK1)

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1801 - EPA 3545 ASE Extraction

Blank (B1J1801-BLK1)

Prepared & Analyzed: 10/18/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.40			mg/kg wet	6.67		66.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.61			mg/kg wet	6.67		69.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.44			mg/kg wet	6.67		66.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.47			mg/kg wet	6.67		67.0	48.9-100			
Surrogate: Phenol-d6	4.22			mg/kg wet	6.67		63.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.48			mg/kg wet	6.67		82.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1801 - EPA 3545 ASE Extraction

LCS (B1J1801-BS1)

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	4.02	0.33	0.031	mg/kg wet	6.67		60.3	59.1-87.7		20	
1,4-Dichlorobenzene	3.79	0.33	0.029	mg/kg wet	6.67		56.8	50.3-72.9		20	
2,4-Dinitrotoluene	4.90	0.33	0.035	mg/kg wet	6.67		73.6	59.8-82.2		20	
2-Chlorophenol	4.80	0.67	0.060	mg/kg wet	6.67		72.1	59.7-77.3		20	
4-Chloro-3-methylphenol	5.13	0.67	0.066	mg/kg wet	6.67		76.9	63.6-80.4		20	
4-Nitrophenol	4.64	0.67	0.093	mg/kg wet	6.67		69.6	57.3-84.9		20	
Anthracene	5.85	0.33	0.036	mg/kg wet	6.67		87.7	67.3-88		20	
Benzo(a)anthracene	5.62	0.33	0.041	mg/kg wet	6.67		84.2	66.5-90.5		20	
Benzo(a)pyrene	5.78	0.33	0.042	mg/kg wet	6.67		86.8	66.1-89.7		20	
Chrysene	5.48	0.33	0.044	mg/kg wet	6.67		82.1	65.5-90.5		20	
Fluoranthene	5.70	0.33	0.039	mg/kg wet	6.67		85.5	66.7-89.9		20	
Fluorene	5.30	0.33	0.035	mg/kg wet	6.67		79.5	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.18	0.33	0.033	mg/kg wet	6.67		62.7	59.4-78		20	
Pentachlorophenol	3.47	0.67	0.078	mg/kg wet	6.67		52.0	46.7-83.2		20	
Phenanthrene	5.73	0.33	0.036	mg/kg wet	6.67		86.0	67.5-87.9		20	
Phenol	4.76	0.67	0.069	mg/kg wet	6.67		71.4	59.5-76.6		20	
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.44			mg/kg wet	6.67		66.6	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.63			mg/kg wet	6.67		69.5	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	3.92			mg/kg wet	6.67		58.8	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.16			mg/kg wet	6.67		62.5	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.42			mg/kg wet	6.67		66.3	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.79			mg/kg wet	6.67		71.9	51-99.6			

Matrix Spike (B1J1801-MS1)

Source: 1104903-05

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	4.35	0.34	0.032	mg/kg dry	6.85	<0.34	63.5	44.8-97.9		19.6	
1,4-Dichlorobenzene	3.84	0.34	0.030	mg/kg dry	6.85	<0.34	56.0	42.3-77.9		22.4	
2,4-Dinitrotoluene	4.99	0.34	0.036	mg/kg dry	6.85	<0.34	72.8	57.3-86.6		19.5	
2-Chlorophenol	4.14	0.68	0.061	mg/kg dry	6.85	<0.68	60.3	43.3-93.2		23.7	
4-Chloro-3-methylphenol	4.84	0.68	0.067	mg/kg dry	6.85	<0.68	70.6	47.1-97.6		18.3	
4-Nitrophenol	5.50	0.68	0.095	mg/kg dry	6.85	<0.68	80.3	49.3-96.2		20.4	
Anthracene	5.23	0.34	0.037	mg/kg dry	6.85	<0.34	76.3	67.5-93.1		19.9	
Benzo(a)anthracene	5.49	0.34	0.042	mg/kg dry	6.85	<0.34	80.1	59.8-95.7		23.4	
Benzo(a)pyrene	4.97	0.34	0.043	mg/kg dry	6.85	<0.34	72.6	59.8-92.7		21.1	
Chrysene	5.59	0.34	0.045	mg/kg dry	6.85	<0.34	81.6	62.5-94.6		24.8	
Fluoranthene	5.07	0.34	0.040	mg/kg dry	6.85	<0.34	74.0	61.3-92.8		21.8	
Fluorene	4.83	0.34	0.036	mg/kg dry	6.85	<0.34	70.5	62.8-92.6		17.6	
N-Nitrosodi-n-propylamine	4.45	0.34	0.034	mg/kg dry	6.85	<0.34	65.0	46.9-89.9		18.9	
Pentachlorophenol	4.31	0.68	0.080	mg/kg dry	6.85	<0.68	62.9	40.1-95.1		19.7	
Phenanthrene	5.17	0.34	0.037	mg/kg dry	6.85	<0.34	75.4	65.2-92.2		20.5	
Phenol	4.22	0.68	0.070	mg/kg dry	6.85	<0.68	61.6	44.7-91		17.9	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1801 - EPA 3545 ASE Extraction

Matrix Spike (B1J1801-MS1)

Source: 1104903-05

Prepared & Analyzed: 10/18/11

Surrogate: 2,4,6-Tribromophenol	5.28			mg/kg dry	6.85		77.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.20			mg/kg dry	6.85		61.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.01			mg/kg dry	6.85		58.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.21			mg/kg dry	6.85		61.4	48.9-100			
Surrogate: Phenol-d6	4.40			mg/kg dry	6.85		64.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.77			mg/kg dry	6.85		69.5	51-99.6			

Matrix Spike Dup (B1J1801-MSD1)

Source: 1104903-05

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	4.16	0.34	0.032	mg/kg dry	6.81	<0.34	61.0	44.8-97.9	4.54	19.6	
1,4-Dichlorobenzene	3.71	0.34	0.030	mg/kg dry	6.81	<0.34	54.5	42.3-77.9	3.31	22.4	
2,4-Dinitrotoluene	4.84	0.34	0.036	mg/kg dry	6.81	<0.34	71.0	57.3-86.6	3.10	19.5	
2-Chlorophenol	3.97	0.68	0.061	mg/kg dry	6.81	<0.68	58.4	43.3-93.2	4.00	23.7	
4-Chloro-3-methylphenol	4.68	0.68	0.067	mg/kg dry	6.81	<0.68	68.7	47.1-97.6	3.41	18.3	
4-Nitrophenol	5.35	0.68	0.095	mg/kg dry	6.81	<0.68	78.7	49.3-96.2	2.72	20.4	
Anthracene	5.06	0.34	0.037	mg/kg dry	6.81	<0.34	74.3	67.5-93.1	3.35	19.9	
Benzo(a)anthracene	5.31	0.34	0.042	mg/kg dry	6.81	<0.34	78.0	59.8-95.7	3.39	23.4	
Benzo(a)pyrene	4.81	0.34	0.043	mg/kg dry	6.81	<0.34	70.7	59.8-92.7	3.26	21.1	
Chrysene	5.37	0.34	0.045	mg/kg dry	6.81	<0.34	78.9	62.5-94.6	3.98	24.8	
Fluoranthene	4.97	0.34	0.040	mg/kg dry	6.81	<0.34	72.9	61.3-92.8	2.17	21.8	
Fluorene	4.72	0.34	0.036	mg/kg dry	6.81	<0.34	69.4	62.8-92.6	2.36	17.6	
N-Nitrosodi-n-propylamine	4.31	0.34	0.034	mg/kg dry	6.81	<0.34	63.2	46.9-89.9	3.38	18.9	
Pentachlorophenol	4.17	0.68	0.080	mg/kg dry	6.81	<0.68	61.2	40.1-95.1	3.40	19.7	
Phenanthrene	5.02	0.34	0.037	mg/kg dry	6.81	<0.34	73.8	65.2-92.2	2.89	20.5	
Phenol	4.08	0.68	0.070	mg/kg dry	6.81	<0.68	59.9	44.7-91	3.38	17.9	
Surrogate: 2,4,6-Tribromophenol	5.11			mg/kg dry	6.81		75.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.11			mg/kg dry	6.81		60.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.88			mg/kg dry	6.81		57.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.07			mg/kg dry	6.81		59.8	48.9-100			
Surrogate: Phenol-d6	4.28			mg/kg dry	6.81		62.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.65			mg/kg dry	6.81		68.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

Blank (B1J1806-BLK1)

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

Blank (B1J1806-BLK1)

Prepared & Analyzed: 10/18/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	86.3			ug/L	100		86.3	30-122			
Surrogate: 2-Fluorobiphenyl	71.0			ug/L	100		71.0	39.2-104			
Surrogate: 2-Fluorophenol	68.1			ug/L	100		68.1	30-80.1			
Surrogate: Nitrobenzene-d5	74.6			ug/L	100		74.6	51.2-103			
Surrogate: Phenol-d6	67.4			ug/L	100		67.4	30-75.3			
Surrogate: Terphenyl-d14	70.6			ug/L	100		70.6	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

LCS (B1J1806-BS1)

Prepared: 10/18/11 Analyzed: 10/19/11

1,2,4-Trichlorobenzene	69.0	10	0.30	ug/L	100		69.0	47.4-88.7		20	
1,4-Dichlorobenzene	69.8	10	0.29	ug/L	100		69.8	39.5-81		20	
2,4-Dinitrotoluene	88.5	10	0.45	ug/L	100		88.5	67.2-99.3		20	
2-Chlorophenol	72.8	10	0.39	ug/L	100		72.8	56.5-85.9		20	
4-Chloro-3-methylphenol	81.7	10	0.48	ug/L	100		81.7	62.1-98.2		20	
4-Nitrophenol	77.6	10	0.78	ug/L	100		77.6	40.5-98.5		20	
Anthracene	86.7	10	0.56	ug/L	100		86.7	70.6-95.3		20	
Benzo(a)anthracene	92.8	10	0.50	ug/L	100		92.8	73.7-96.6		20	
Benzo(a)pyrene	85.7	10	0.41	ug/L	100		85.7	70.9-92.6		20	
Chrysene	94.7	10	0.61	ug/L	100		94.7	71.8-97.5		20	
Fluoranthene	82.5	10	0.61	ug/L	100		82.5	73.6-96.8		20	
Fluorene	78.0	10	0.52	ug/L	100		78.0	69.3-93.3		20	
N-Nitrosodi-n-propylamine	76.3	10	0.25	ug/L	100		76.3	65.9-89.3		20	
Pentachlorophenol	84.4	10	0.90	ug/L	100		84.4	55-107		20	
Phenanthrene	88.3	10	0.35	ug/L	100		88.3	72.5-97.6		20	
Phenol	63.9	10	0.41	ug/L	100		63.9	34.1-71.6		20	
Surrogate: 2,4,6-Tribromophenol	90.4			ug/L	100		90.4	30-122			
Surrogate: 2-Fluorobiphenyl	70.5			ug/L	100		70.5	39.2-104			
Surrogate: 2-Fluorophenol	68.8			ug/L	100		68.8	30-80.1			
Surrogate: Nitrobenzene-d5	74.6			ug/L	100		74.6	51.2-103			
Surrogate: Phenol-d6	65.6			ug/L	100		65.6	30-75.3			
Surrogate: Terphenyl-d14	77.6			ug/L	100		77.6	30-116			

LCS Dup (B1J1806-BSD1)

Prepared: 10/18/11 Analyzed: 10/19/11

Q9, QM-10

1,2,4-Trichlorobenzene	67.9	10	0.30	ug/L	100		67.9	47.4-88.7	1.64	20	
1,4-Dichlorobenzene	69.4	10	0.29	ug/L	100		69.4	39.5-81	0.601	20	
2,4-Dinitrotoluene	87.2	10	0.45	ug/L	100		87.2	67.2-99.3	1.46	20	
2-Chlorophenol	70.8	10	0.39	ug/L	100		70.8	56.5-85.9	2.73	20	
4-Chloro-3-methylphenol	81.3	10	0.48	ug/L	100		81.3	62.1-98.2	0.381	20	
4-Nitrophenol	76.7	10	0.78	ug/L	100		76.7	40.5-98.5	1.25	20	
Anthracene	85.6	10	0.56	ug/L	100		85.6	70.6-95.3	1.26	20	
Benzo(a)anthracene	92.0	10	0.50	ug/L	100		92.0	73.7-96.6	0.919	20	
Benzo(a)pyrene	85.0	10	0.41	ug/L	100		85.0	70.9-92.6	0.887	20	
Chrysene	95.1	10	0.61	ug/L	100		95.1	71.8-97.5	0.384	20	
Fluoranthene	82.4	10	0.61	ug/L	100		82.4	73.6-96.8	0.102	20	
Fluorene	77.7	10	0.52	ug/L	100		77.7	69.3-93.3	0.435	20	
N-Nitrosodi-n-propylamine	76.7	10	0.25	ug/L	100		76.7	65.9-89.3	0.443	20	
Pentachlorophenol	80.2	10	0.90	ug/L	100		80.2	55-107	5.05	20	
Phenanthrene	87.3	10	0.35	ug/L	100		87.3	72.5-97.6	1.12	20	
Phenol	63.8	10	0.41	ug/L	100		63.8	34.1-71.6	0.148	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1104907 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

LCS Dup (B1J1806-BSD1)

Prepared: 10/18/11 Analyzed: 10/19/11

Q9, QM-10

Surrogate: 2,4,6-Tribromophenol	87.9			ug/L	100		87.9	30-122			
Surrogate: 2-Fluorobiphenyl	69.9			ug/L	100		69.9	39.2-104			
Surrogate: 2-Fluorophenol	68.0			ug/L	100		68.0	30-80.1			
Surrogate: Nitrobenzene-d5	74.1			ug/L	100		74.1	51.2-103			
Surrogate: Phenol-d6	65.4			ug/L	100		65.4	30-75.3			
Surrogate: Terphenyl-d14	76.3			ug/L	100		76.3	30-116			

Matrix Spike (B1J1806-MS1)

Source: 1104924-01

Prepared: 10/18/11 Analyzed: 10/19/11

1,2,4-Trichlorobenzene	65.2	10	0.30	ug/L	101	<10	64.5	39.2-90.6		23.6	
1,4-Dichlorobenzene	64.1	10	0.29	ug/L	101	<10	62.4	34.1-81.6		22.4	
2,4-Dinitrotoluene	80.1	10	0.45	ug/L	101	<10	79.3	41.1-110		17.2	
2-Chlorophenol	68.3	10	0.39	ug/L	101	<10	67.6	30-96.4		23.7	
4-Chloro-3-methylphenol	64.7	10	0.48	ug/L	101	<10	64.0	30-113		24.1	
4-Nitrophenol	82.6	10	0.78	ug/L	101	<10	81.8	30-112		34.3	
Anthracene	75.5	10	0.56	ug/L	101	<10	74.7	30-119		24.5	
Benzo(a)anthracene	72.8	10	0.50	ug/L	101	<10	72.1	30-122		27.8	
Benzo(a)pyrene	71.3	10	0.41	ug/L	101	<10	70.6	30-118		27.1	
Chrysene	76.7	10	0.61	ug/L	101	<10	76.0	30-125		28	
Fluoranthene	68.6	10	0.61	ug/L	101	<10	67.9	31.6-119		25.9	
Fluorene	67.9	10	0.52	ug/L	101	<10	67.3	40.8-107		20.6	
N-Nitrosodi-n-propylamine	69.5	10	0.25	ug/L	101	<10	68.8	47.2-94.8		15.8	
Pentachlorophenol	84.5	10	0.90	ug/L	101	<10	83.6	30-130		25.5	
Phenanthrene	78.9	10	0.35	ug/L	101	<10	78.2	38.2-117		19.3	
Phenol	64.6	10	0.41	ug/L	101	<10	58.6	30-80		31.9	
Surrogate: 2,4,6-Tribromophenol	83.9			ug/L	101		83.0	30-122			
Surrogate: 2-Fluorobiphenyl	65.4			ug/L	101		64.8	39.2-104			
Surrogate: 2-Fluorophenol	61.3			ug/L	101		60.7	30-80.1			
Surrogate: Nitrobenzene-d5	69.6			ug/L	101		68.9	51.2-103			
Surrogate: Phenol-d6	60.4			ug/L	101		59.8	30-75.3			
Surrogate: Terphenyl-d14	42.8			ug/L	101		42.4	30-116			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 820 Navy/BG
Project Manager: Ms. Andrea Nord

Work Order #: 1104907
Date Reported: 10/20/11

Notes and Definitions

T-1 MDH does not offer certification for this parameter.
QM-10 LCS/LCSD were analyzed in place of MS/MSD.
Q9 Insufficient sample received to meet method QC requirements.
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2660

BARR

Project Number: 231A-10AC 48RT 820
Project Name: Unsub East Plot - Navy/Burning Grounds
Sample Origination State: MN (use two letter postal state abbreviation)
COC Number: **NO 37361**

1104907

COC # 1 at 1
Project Manager: JME
Project OC/Contact: AAN
Sampled by: AAN/AB
Laboratory: Legend

Analysis for metals
Analysis for RCPH metals, SVOCs
Analysis for RCPH metals

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (Iared MeOH) #1	GRO, BTEX (Iared MeOH) #1	DRO (Iared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	# Solids (plastic vial, unpres.)	Total Number of Containers	
						Soil	Water															Water	Soil
<u>01 10SD-TT15</u>	<u>0.5</u>	<u>0.5</u>	<u>ft</u>	<u>10/11/2011</u>	<u>15:00</u>	<u>X</u>	<u>X</u>	<u>X</u>														<u>1</u>	<u>1</u>
<u>02 10SD-TT19</u>	<u>1</u>	<u>1</u>	<u>ft</u>	<u>10/11/2011</u>	<u>15:15</u>	<u>X</u>	<u>X</u>	<u>X</u>														<u>2</u>	<u>2</u>
<u>03 FB-1</u>	<u>1</u>	<u>1</u>	<u>ft</u>	<u>10/11/2011</u>	<u>15:15</u>	<u>X</u>	<u>X</u>	<u>X</u>														<u>2</u>	<u>2</u>
<u>4.</u>																							
<u>5.</u>																							
<u>6.</u>																							
<u>7.</u>																							
<u>8.</u>																							
<u>9.</u>																							
<u>10.</u>																							

Received by: Legend Date: 10/24/11 Time: 11:40
Received by: Kelly Groben Date: 10/24/11 Time: 11:40
Air Bill Number:

Requisitioned By: Date: 10/12/2011 Time: 09:25
Requisitioned By: Date: 10/24/2011 Time:

Samples Shipped VIA: Air Freight Federal Express Other:

Common Parameter/Container - Preservation Key:
#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full Lix
#2 - Semivolatile Organics = PAHs, PCR, Dioxins, 8270 Full Lix, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
4.40e of custody

Distribution: White-Original Accompanies Shipment to Lab Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104912
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/12/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink that reads "T-LE".

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
251A-TT3A_3-3	1104912-01	Soil	10/12/11 09:00	10/12/11 13:55
235A-TT4A_3.5-3.5	1104912-02	Soil	10/12/11 09:30	10/12/11 13:55
235A-TT4A_6-6	1104912-03	Soil	10/12/11 09:35	10/12/11 13:55
235A-TT7_1-1	1104912-04	Soil	10/12/11 09:50	10/12/11 13:55
235A-TT7_3.5-3.5	1104912-05	Soil	10/12/11 09:55	10/12/11 13:55
235A-TT2A_6-6	1104912-06	Soil	10/12/11 10:05	10/12/11 13:55
235A-TT5_1-1	1104912-07	Soil	10/12/11 10:30	10/12/11 13:55
235A-TT5_3.5-3.5	1104912-08	Soil	10/12/11 10:35	10/12/11 13:55
235A-TT6_2-2	1104912-09	Soil	10/12/11 10:55	10/12/11 13:55
235A-TT6_3.5-3.5	1104912-10	Soil	10/12/11 11:00	10/12/11 13:55
235B-TT1_1-1	1104912-11	Soil	10/12/11 11:15	10/12/11 13:55
235B-TT1_3.5-3.5	1104912-12	Soil	10/12/11 11:20	10/12/11 13:55
235B-TT2_1-1	1104912-13	Soil	10/12/11 11:30	10/12/11 13:55
M-1	1104912-14	Soil	10/12/11 00:00	10/12/11 13:55
235B-TT2_3.5-3.5	1104912-15	Soil	10/12/11 11:35	10/12/11 13:55

Shipping Container Information

Default Cooler Temperature (°C): 10.3

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-TT3A_3-3 (1104912-01) Soil Sampled: 10/12/11 09:00 Received: 10/12/11 13:55										
% Solids	100			%	1	B1J1911	10/19/11	10/19/11	% calculation	
235A-TT4A_3.5-3.5 (1104912-02) Soil Sampled: 10/12/11 09:30 Received: 10/12/11 13:55										
% Solids	88			%	1	B1J1911	10/19/11	10/19/11	% calculation	
235A-TT4A_6-6 (1104912-03) Soil Sampled: 10/12/11 09:35 Received: 10/12/11 13:55										
% Solids	98			%	1	B1J1911	10/19/11	10/19/11	% calculation	
235A-TT7_1-1 (1104912-04) Soil Sampled: 10/12/11 09:50 Received: 10/12/11 13:55										
% Solids	91			%	1	B1J1911	10/19/11	10/19/11	% calculation	
235A-TT7_3.5-3.5 (1104912-05) Soil Sampled: 10/12/11 09:55 Received: 10/12/11 13:55										
% Solids	91			%	1	B1J1911	10/19/11	10/19/11	% calculation	
235A-TT2A_6-6 (1104912-06) Soil Sampled: 10/12/11 10:05 Received: 10/12/11 13:55										
% Solids	98			%	1	B1J1911	10/19/11	10/19/11	% calculation	
235A-TT5_1-1 (1104912-07) Soil Sampled: 10/12/11 10:30 Received: 10/12/11 13:55										
% Solids	92			%	1	B1J1911	10/19/11	10/19/11	% calculation	
235A-TT5_3.5-3.5 (1104912-08) Soil Sampled: 10/12/11 10:35 Received: 10/12/11 13:55										
% Solids	88			%	1	B1J1911	10/19/11	10/19/11	% calculation	
235A-TT6_2-2 (1104912-09) Soil Sampled: 10/12/11 10:55 Received: 10/12/11 13:55										
% Solids	88			%	1	B1J1911	10/19/11	10/19/11	% calculation	
235A-TT6_3.5-3.5 (1104912-10) Soil Sampled: 10/12/11 11:00 Received: 10/12/11 13:55										
% Solids	98			%	1	B1J1911	10/19/11	10/19/11	% calculation	
235B-TT1_1-1 (1104912-11) Soil Sampled: 10/12/11 11:15 Received: 10/12/11 13:55										
% Solids	91			%	1	B1J1911	10/19/11	10/19/11	% calculation	
235B-TT1_3.5-3.5 (1104912-12) Soil Sampled: 10/12/11 11:20 Received: 10/12/11 13:55										
% Solids	99			%	1	B1J1911	10/19/11	10/19/11	% calculation	
235B-TT2_1-1 (1104912-13) Soil Sampled: 10/12/11 11:30 Received: 10/12/11 13:55										
% Solids	92			%	1	B1J1911	10/19/11	10/19/11	% calculation	
M-1 (1104912-14) Soil Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
% Solids	92			%	1	B1J1911	10/19/11	10/19/11	% calculation	



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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235B-TT2_3.5-3.5 (1104912-15) Soil Sampled: 10/12/11 11:35 Received: 10/12/11 13:55										
% Solids	97			%	1	B1J1911	10/19/11	10/19/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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251A-TT3A_3-3 (1104912-01) Soil Sampled: 10/12/11 09:00 Received: 10/12/11 13:55

1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.078	0.67	0.078	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.67	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.080	0.67	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.075	0.67	0.075	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.080	0.67	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.67	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.069	0.67	0.069	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.060	0.67	0.060	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.67	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.085	0.67	0.085	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.67	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.67	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.066	0.67	0.066	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.67	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.093	0.67	0.093	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.67	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-TT3A_3-3 (1104912-01) Soil Sampled: 10/12/11 09:00 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.095	0.67	0.095	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.078	0.67	0.078	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.069	0.67	0.069	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	82.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	95.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT4A_3.5-3.5 (1104912-02) Soil Sampled: 10/12/11 09:30 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT4A_3.5-3.5 (1104912-02) Soil Sampled: 10/12/11 09:30 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.047	0.38	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	89.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	84.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	76.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	77.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	75.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	95.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT4A_6-6 (1104912-03) Soil Sampled: 10/12/11 09:35 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT4A_6-6 (1104912-03) Soil Sampled: 10/12/11 09:35 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	70.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	62.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT7_1-1 (1104912-04) Soil Sampled: 10/12/11 09:50 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT7_1-1 (1104912-04) Soil Sampled: 10/12/11 09:50 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	81.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	87.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT7_3.5-3.5 (1104912-05) Soil Sampled: 10/12/11 09:55 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT7_3.5-3.5 (1104912-05) Soil Sampled: 10/12/11 09:55 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	94.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT2A_6-6 (1104912-06) Soil Sampled: 10/12/11 10:05 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT2A_6-6 (1104912-06) Soil Sampled: 10/12/11 10:05 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	75.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	90.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT5_1-1 (1104912-07) Soil Sampled: 10/12/11 10:30 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.044	0.36	0.041	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.069	0.36	0.039	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.16	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.11	0.36	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.13	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.077	0.36	0.047	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT5_1-1 (1104912-07) Soil Sampled: 10/12/11 10:30 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	0.054	0.36	0.052	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	J
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.13	0.36	0.048	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.29	0.36	0.042	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.073	0.36	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.29	0.36	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	0.27	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	88.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	82.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	74.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	92.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT5_3.5-3.5 (1104912-08) Soil Sampled: 10/12/11 10:35 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT5_3.5-3.5 (1104912-08) Soil Sampled: 10/12/11 10:35 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT6_2-2 (1104912-09) Soil Sampled: 10/12/11 10:55 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT6_2-2 (1104912-09) Soil Sampled: 10/12/11 10:55 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	70.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	59.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT6_3.5-3.5 (1104912-10) Soil Sampled: 10/12/11 11:00 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-TT6_3.5-3.5 (1104912-10) Soil Sampled: 10/12/11 11:00 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	75.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	57.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	56.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	57.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	65.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	63.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235B-TT1_1-1 (1104912-11) Soil Sampled: 10/12/11 11:15 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235B-TT1_1-1 (1104912-11) Soil Sampled: 10/12/11 11:15 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	85.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235B-TT1_3.5-3.5 (1104912-12) Soil Sampled: 10/12/11 11:20 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235B-TT1_3.5-3.5 (1104912-12) Soil Sampled: 10/12/11 11:20 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	70.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	57.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	55.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	57.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	63.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235B-TT2_1-1 (1104912-13) Soil Sampled: 10/12/11 11:30 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.056	0.36	0.039	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.11	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.084	0.36	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.10	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.053	0.36	0.047	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235B-TT2_1-1 (1104912-13) Soil Sampled: 10/12/11 11:30 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	0.061	0.36	0.052	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	J
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.11	0.36	0.048	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.21	0.36	0.042	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.062	0.36	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.17	0.36	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	0.20	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	88.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1104912-14) Soil Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.049	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.051	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1104912-14) Soil Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.050	0.36	0.048	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.093	0.36	0.042	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.046	0.36	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	0.079	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	86.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235B-TT2_3.5-3.5 (1104912-15) Soil Sampled: 10/12/11 11:35 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235B-TT2_3.5-3.5 (1104912-15) Soil Sampled: 10/12/11 11:35 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1801	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	62.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1911 - General Preparation											
Duplicate (B1J1911-DUP1)						Source: 1104906-10			Prepared & Analyzed: 10/19/11		
% Solids	94.0			%		94.0			0.00	20	
Duplicate (B1J1911-DUP2)						Source: 1104912-03			Prepared & Analyzed: 10/19/11		
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1J1911-DUP3)						Source: 1104912-13			Prepared & Analyzed: 10/19/11		
% Solids	92.0			%		92.0			0.00	20	
Duplicate (B1J1911-DUP4)						Source: 1105038-01			Prepared & Analyzed: 10/19/11		
% Solids	98.0			%		98.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1801 - EPA 3545 ASE Extraction

Blank (B1J1801-BLK1)

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1801 - EPA 3545 ASE Extraction

Blank (B1J1801-BLK1)

Prepared & Analyzed: 10/18/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.40			mg/kg wet	6.67		66.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.61			mg/kg wet	6.67		69.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.44			mg/kg wet	6.67		66.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.47			mg/kg wet	6.67		67.0	48.9-100			
Surrogate: Phenol-d6	4.22			mg/kg wet	6.67		63.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.48			mg/kg wet	6.67		82.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1801 - EPA 3545 ASE Extraction

LCS (B1J1801-BS1)

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	4.02	0.33	0.031	mg/kg wet	6.67		60.3	59.1-87.7			
1,4-Dichlorobenzene	3.79	0.33	0.029	mg/kg wet	6.67		56.8	50.3-72.9			
2,4-Dinitrotoluene	4.90	0.33	0.035	mg/kg wet	6.67		73.6	59.8-82.2			
2-Chlorophenol	4.80	0.67	0.060	mg/kg wet	6.67		72.1	59.7-77.3			
4-Chloro-3-methylphenol	5.13	0.67	0.066	mg/kg wet	6.67		76.9	63.6-80.4			
4-Nitrophenol	4.64	0.67	0.093	mg/kg wet	6.67		69.6	57.3-84.9			
Anthracene	5.85	0.33	0.036	mg/kg wet	6.67		87.7	67.3-88			
Benzo(a)anthracene	5.62	0.33	0.041	mg/kg wet	6.67		84.2	66.5-90.5			
Benzo(a)pyrene	5.78	0.33	0.042	mg/kg wet	6.67		86.8	66.1-89.7			
Chrysene	5.48	0.33	0.044	mg/kg wet	6.67		82.1	65.5-90.5			
Fluoranthene	5.70	0.33	0.039	mg/kg wet	6.67		85.5	66.7-89.9			
Fluorene	5.30	0.33	0.035	mg/kg wet	6.67		79.5	66.2-85.6			
N-Nitrosodi-n-propylamine	4.18	0.33	0.033	mg/kg wet	6.67		62.7	59.4-78			
Pentachlorophenol	3.47	0.67	0.078	mg/kg wet	6.67		52.0	46.7-83.2			
Phenanthrene	5.73	0.33	0.036	mg/kg wet	6.67		86.0	67.5-87.9			
Phenol	4.76	0.67	0.069	mg/kg wet	6.67		71.4	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.44			mg/kg wet	6.67		66.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.63			mg/kg wet	6.67		69.5	53.9-97.9			
Surrogate: 2-Fluorophenol	3.92			mg/kg wet	6.67		58.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.16			mg/kg wet	6.67		62.5	48.9-100			
Surrogate: Phenol-d6	4.42			mg/kg wet	6.67		66.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.79			mg/kg wet	6.67		71.9	51-99.6			

Matrix Spike (B1J1801-MS1)

Source: 1104903-05

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	4.35	0.34	0.032	mg/kg dry	6.85	<0.34	63.5	44.8-97.9			
1,4-Dichlorobenzene	3.84	0.34	0.030	mg/kg dry	6.85	<0.34	56.0	42.3-77.9			
2,4-Dinitrotoluene	4.99	0.34	0.036	mg/kg dry	6.85	<0.34	72.8	57.3-86.6			
2-Chlorophenol	4.14	0.68	0.061	mg/kg dry	6.85	<0.68	60.3	43.3-93.2			
4-Chloro-3-methylphenol	4.84	0.68	0.067	mg/kg dry	6.85	<0.68	70.6	47.1-97.6			
4-Nitrophenol	5.50	0.68	0.095	mg/kg dry	6.85	<0.68	80.3	49.3-96.2			
Anthracene	5.23	0.34	0.037	mg/kg dry	6.85	<0.34	76.3	67.5-93.1			
Benzo(a)anthracene	5.49	0.34	0.042	mg/kg dry	6.85	<0.34	80.1	59.8-95.7			
Benzo(a)pyrene	4.97	0.34	0.043	mg/kg dry	6.85	<0.34	72.6	59.8-92.7			
Chrysene	5.59	0.34	0.045	mg/kg dry	6.85	<0.34	81.6	62.5-94.6			
Fluoranthene	5.07	0.34	0.040	mg/kg dry	6.85	<0.34	74.0	61.3-92.8			
Fluorene	4.83	0.34	0.036	mg/kg dry	6.85	<0.34	70.5	62.8-92.6			
N-Nitrosodi-n-propylamine	4.45	0.34	0.034	mg/kg dry	6.85	<0.34	65.0	46.9-89.9			
Pentachlorophenol	4.31	0.68	0.080	mg/kg dry	6.85	<0.68	62.9	40.1-95.1			
Phenanthrene	5.17	0.34	0.037	mg/kg dry	6.85	<0.34	75.4	65.2-92.2			
Phenol	4.22	0.68	0.070	mg/kg dry	6.85	<0.68	61.6	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1801 - EPA 3545 ASE Extraction

Matrix Spike (B1J1801-MS1)

Source: 1104903-05

Prepared & Analyzed: 10/18/11

Surrogate: 2,4,6-Tribromophenol	5.28			mg/kg dry	6.85		77.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.20			mg/kg dry	6.85		61.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.01			mg/kg dry	6.85		58.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.21			mg/kg dry	6.85		61.4	48.9-100			
Surrogate: Phenol-d6	4.40			mg/kg dry	6.85		64.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.77			mg/kg dry	6.85		69.5	51-99.6			

Matrix Spike Dup (B1J1801-MSD1)

Source: 1104903-05

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	4.16	0.34	0.032	mg/kg dry	6.81	<0.34	61.0	44.8-97.9	4.54	19.6	
1,4-Dichlorobenzene	3.71	0.34	0.030	mg/kg dry	6.81	<0.34	54.5	42.3-77.9	3.31	22.4	
2,4-Dinitrotoluene	4.84	0.34	0.036	mg/kg dry	6.81	<0.34	71.0	57.3-86.6	3.10	19.5	
2-Chlorophenol	3.97	0.68	0.061	mg/kg dry	6.81	<0.68	58.4	43.3-93.2	4.00	23.7	
4-Chloro-3-methylphenol	4.68	0.68	0.067	mg/kg dry	6.81	<0.68	68.7	47.1-97.6	3.41	18.3	
4-Nitrophenol	5.35	0.68	0.095	mg/kg dry	6.81	<0.68	78.7	49.3-96.2	2.72	20.4	
Anthracene	5.06	0.34	0.037	mg/kg dry	6.81	<0.34	74.3	67.5-93.1	3.35	19.9	
Benzo(a)anthracene	5.31	0.34	0.042	mg/kg dry	6.81	<0.34	78.0	59.8-95.7	3.39	23.4	
Benzo(a)pyrene	4.81	0.34	0.043	mg/kg dry	6.81	<0.34	70.7	59.8-92.7	3.26	21.1	
Chrysene	5.37	0.34	0.045	mg/kg dry	6.81	<0.34	78.9	62.5-94.6	3.98	24.8	
Fluoranthene	4.97	0.34	0.040	mg/kg dry	6.81	<0.34	72.9	61.3-92.8	2.17	21.8	
Fluorene	4.72	0.34	0.036	mg/kg dry	6.81	<0.34	69.4	62.8-92.6	2.36	17.6	
N-Nitrosodi-n-propylamine	4.31	0.34	0.034	mg/kg dry	6.81	<0.34	63.2	46.9-89.9	3.38	18.9	
Pentachlorophenol	4.17	0.68	0.080	mg/kg dry	6.81	<0.68	61.2	40.1-95.1	3.40	19.7	
Phenanthrene	5.02	0.34	0.037	mg/kg dry	6.81	<0.34	73.8	65.2-92.2	2.89	20.5	
Phenol	4.08	0.68	0.070	mg/kg dry	6.81	<0.68	59.9	44.7-91	3.38	17.9	
Surrogate: 2,4,6-Tribromophenol	5.11			mg/kg dry	6.81		75.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.11			mg/kg dry	6.81		60.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.88			mg/kg dry	6.81		57.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.07			mg/kg dry	6.81		59.8	48.9-100			
Surrogate: Phenol-d6	4.28			mg/kg dry	6.81		62.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.65			mg/kg dry	6.81		68.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104912 Date Reported: 10/19/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
J	Parameter was present between the MDL and RL and should be considered an estimated value
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
BARR Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 23119-10972.00 4821 820
Project Name: Wilson R1, Stage 2, 5 ABC Line
Sample Origination State: MN (use two letter postal state abbreviation)
COC Number: NO 37128

COC 1 of 2
Project Manager: JME
Project QC Contact: AAN
Sampled by: KCB
Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Ice?	Relinquished By:	Relinquished Date	Received by:		Date	Time
						Soil	Water				Time	Date		
01 251A-T13A	3	3	ft	10/12/11	0900	X	X	N	[Signature]	10/12/11	[Signature]	10/12/11	1330	
02 235A-T14A	3.5	3.5			0930	X	X	N						
03 ↓	6	6			0935	X	X	N						
04 235A-T17	1	1			0950	X	X	N						
05 ↓	3.5	3.5			0955	X	X	N						
06 235A-T12A	6	6			1005	X	X	N						
07 235A-T15	1	1			1030	X	X	N						
08 235A-T15	3.5	3.5			1035	X	X	N						
09 235A-T16	2	2			1055	X	X	N						
10 235A-T16	3.5	3.5			1100	X	X	N						

Number of Containers/Preservative

Water	Soil	Total Number of Containers
VOCs (unpreserved) #2		
Dissolved Metals (HNO ₃)		
Total Metals (HNO ₃)		
General (unpreserved) #3		
Diesel Range Organics (HCl)		
Nutrients (H ₂ SO ₄) #4		
VOCs (leaked MeOH) #1		
GRO, BTEX (leaked MeOH) #1		
DRO (leaked unpreserved)		
Metals (unpreserved)		
SVOs (unpreserved) #2		
* Solids (plastic vial, unpres.)		

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCB
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: [Signature] Date: 10/12/11

Received by: [Signature] Date: 10/12/11 Time: 1330

Samples Shipped VIA: Air Freight Federal Express Sampler Other: [Signature]

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4780 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2680

Project Number: 2319-1092.00 4821 820
Project Name: Wanna R. 1, Stage 2, ABC Line
Sample Origination State: MN (use two letter postal state abbreviation)
COC Number: **NO 37130**

1104917

CDC 2 of 2
Project Manager: JME
Project QC Contact: AAH
Sampled by: KCB
Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type	Total Number of Containers
						Water	Soil	Grab		
1. 235B-TT1	1	1	ft	10/12/11	1115	X	X	X	OC	11
2. 235B-TT1	3.5	3.5	ft		1120	X	X	X	OC	11
3. 235B-TT2	1	1	ft		1130	X	X	X	OC	11
4. M-1	-	-	-		-	X	X	X	OC	11
5. 2358-TT2	3.5	3.5	ft		1135	X	X	X	OC	11
6.										3
7.										
8.										
9.										
10.										

Number of Containers/Preservative

Water	Soil
VOCs (unpreserved) #2	
Disinfectant Metals (HNO ₃)	
Total Metals (HNO ₃)	
General (unpreserved) #1	
Diesel Range Organics (BCL)	
Nutrients (H ₂ SO ₄) #4	
VOCs (tated MeOH) #1	
GRX, BTEX (tated MeOH) #1	
DRO (tated unpreserved)	
Metals (unpreserved)	
SVOs (unpreserved) #2	
% Solids (plastic wal. unpres.)	

Received by: [Signature] Date: 10/12/11
Received by: [Signature] Date: 10/12/11
Air Bill Number: 1358

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GRX, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

0.2-1030

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 20, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104914
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/12/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "D. Brezina", written over a horizontal line.

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104914 Date Reported: 10/20/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
501E1-TT1_1-1	1104914-01	Soil	10/12/11 08:00	10/12/11 13:55

Shipping Container Information

Default Cooler Temperature (°C): 10.3

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104914 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501E1-TT1_1-1 (1104914-01) Soil Sampled: 10/12/11 08:00 Received: 10/12/11 13:55										
Arsenic	1.9	0.48	0.052	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Barium	42	0.95	0.057	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.031	mg/kg dry	1	"	"	"	"	
Chromium	13	0.48	0.011	mg/kg dry	1	"	"	"	"	
Lead	2.0	0.95	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<0.95	0.95	0.090	mg/kg dry	1	B1J1309	10/13/11	10/13/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104914 Date Reported: 10/20/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501E1-TT1_1-1 (1104914-01) Soil Sampled: 10/12/11 08:00 Received: 10/12/11 13:55										
% Solids	98			%	1	B1J1406	10/14/11	10/14/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104914 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1309 - EPA 3050B

Blank (B1J1309-BLK1)

Prepared & Analyzed: 10/13/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1309-BS1)

Prepared & Analyzed: 10/13/11

Arsenic	39.5	0.50	0.055	mg/kg wet	39.9		99.1	80-120			
Barium	41.5	1.0	0.060	mg/kg wet	39.9		104	80-120			
Cadmium	39.4	0.25	0.033	mg/kg wet	39.9		98.9	80-120			
Chromium	39.8	0.50	0.012	mg/kg wet	39.9		99.9	80-120			
Lead	41.0	1.0	0.14	mg/kg wet	39.9		103	80-120			
Selenium	39.8	1.0	0.095	mg/kg wet	39.9		99.8	80-120			
Silver	3.97	0.25	0.016	mg/kg wet	3.99		99.5	80-120			

LCS Dup (B1J1309-BSD1)

Prepared & Analyzed: 10/13/11

Arsenic	39.6	0.50	0.055	mg/kg wet	39.9		99.3	80-120	0.138	20	
Barium	41.8	1.0	0.060	mg/kg wet	39.9		105	80-120	0.538	20	
Cadmium	39.6	0.25	0.033	mg/kg wet	39.9		99.1	80-120	0.282	20	
Chromium	39.8	0.50	0.012	mg/kg wet	39.9		99.8	80-120	0.0281	20	
Lead	41.1	1.0	0.14	mg/kg wet	39.9		103	80-120	0.219	20	
Selenium	39.9	1.0	0.095	mg/kg wet	39.9		100	80-120	0.279	20	
Silver	3.96	0.25	0.016	mg/kg wet	3.99		99.3	80-120	0.134	20	

Matrix Spike (B1J1309-MS1)

Source: 1104855-20

Prepared & Analyzed: 10/13/11

Arsenic	39.5	0.51	0.056	mg/kg dry	39.1	2.83	93.7	75-125			
Barium	79.9	1.0	0.061	mg/kg dry	39.1	39.7	103	75-125			
Cadmium	37.0	0.26	0.034	mg/kg dry	39.1	<0.26	94.3	75-125			
Chromium	52.2	0.51	0.012	mg/kg dry	39.1	12.5	101	75-125			
Lead	50.8	1.0	0.14	mg/kg dry	39.1	13.3	96.0	75-125			
Selenium	36.4	1.0	0.097	mg/kg dry	39.1	<1.0	93.2	75-125			
Silver	3.61	0.26	0.016	mg/kg dry	3.91	<0.26	92.3	75-125			

Matrix Spike Dup (B1J1309-MSD1)

Source: 1104855-20

Prepared & Analyzed: 10/13/11

Arsenic	39.2	0.51	0.056	mg/kg dry	39.5	2.83	92.0	75-125	0.718	20	
Barium	82.5	1.0	0.061	mg/kg dry	39.5	39.7	108	75-125	3.19	20	
Cadmium	36.6	0.26	0.034	mg/kg dry	39.5	<0.26	92.3	75-125	0.986	20	
Chromium	51.8	0.51	0.012	mg/kg dry	39.5	12.5	99.5	75-125	0.634	20	
Lead	49.6	1.0	0.14	mg/kg dry	39.5	13.3	92.0	75-125	2.37	20	
Selenium	36.2	1.0	0.097	mg/kg dry	39.5	<1.0	91.5	75-125	0.674	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104914 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1309 - EPA 3050B											
Matrix Spike Dup (B1J1309-MSD1)			Source: 1104855-20			Prepared & Analyzed: 10/13/11					
Silver	3.54	0.26	0.016	mg/kg dry	3.95	<0.26	89.6	75-125	1.89	20	
Batch B1J1907 - EPA 7471A											
Blank (B1J1907-BLK1)			Prepared & Analyzed: 10/19/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1907-BS1)			Prepared & Analyzed: 10/19/11								
Mercury	0.173	0.10	0.019	mg/kg wet	0.200		86.5	80-120			
LCS Dup (B1J1907-BSD1)			Prepared & Analyzed: 10/19/11								
Mercury	0.189	0.10	0.019	mg/kg wet	0.200		94.5	80-120	8.84	20	
Matrix Spike (B1J1907-MS1)			Source: 1104906-01			Prepared & Analyzed: 10/19/11					
Mercury	0.258	0.11	0.021	mg/kg dry	0.211	<0.11	91.0	75-125			
Matrix Spike Dup (B1J1907-MSD1)			Source: 1104906-01			Prepared & Analyzed: 10/19/11					
Mercury	0.263	0.11	0.021	mg/kg dry	0.210	<0.11	93.8	75-125	1.82	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104914 Date Reported: 10/20/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J1406 - General Preparation												
Duplicate (B1J1406-DUP1)							Source: 1104916-03					Prepared & Analyzed: 10/14/11
% Solids	99.0			%		99.0			0.00	20		
Duplicate (B1J1406-DUP2)							Source: 1104916-13					Prepared & Analyzed: 10/14/11
% Solids	88.0			%		89.0			1.13	20		
Duplicate (B1J1406-DUP3)							Source: 1104926-01					Prepared & Analyzed: 10/14/11
% Solids	91.0			%		92.0			1.09	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1104914 Date Reported: 10/20/11
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Notes and Definitions

<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
 4700 West 77th Street
BARR Minneapolis, MN 55435-4803
 (952) 832-2600

1104914

Project Number: 2319-1092.00 48R1 820
 Project Name: UMore R1, Stage 2, ~~Abundant~~ SiteWide
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: No 37127

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	Number of Containers/Preservative										Total Number Of Containers						
						Water	Soil		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (RNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRQ, BTEX (tared MeOH) #1	DRO (tared unpreserved) Metals (unpreserved)		SVOCs (unpreserved) #2	& Solids (plastic vial, unpres.)				
1 (SDIE-11)	1	1	ft	10/12/2011	0800	X	X																	3	RIRI metals
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									

Relinquished By: *[Signature]* On Ice? N Date: 10/12/11 Time: Received by: Date: Time:
 Relinquished By: On Ice? Y N Date: Time: Received by: Kelley Becker Date: 10/12/11 Time: 1:35
 Samples Shipped VIA: Air Freight Federal Express Sampler: Air Bill Number:
 Other: _____

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

0.0, 10.30c

HERALD/STDFORM/Chain of Custody Form 2008, RLS Rev. 09/01/08

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 20, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104916
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/12/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "Bach Pham", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "Triet Le", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E160D-SS1_0.5-0.5	1104916-01	Soil	10/12/11 08:00	10/12/11 13:55
E160D-SS2_0.5-0.5	1104916-02	Soil	10/12/11 08:15	10/12/11 13:55
E160D-SS5_0.5-0.5	1104916-03	Solid	10/12/11 08:30	10/12/11 13:55
E160D-SS6_0.5-0.5	1104916-04	Solid	10/12/11 08:35	10/12/11 13:55
E160D-SS8_0.5-0.5	1104916-05	Solid	10/12/11 08:45	10/12/11 13:55
E160D-SS9_0.5-0.5	1104916-06	Solid	10/12/11 09:00	10/12/11 13:55
E160D-SS10_0.5-0.5	1104916-07	Solid	10/12/11 09:30	10/12/11 13:55
GC-SS8_0.5-0.5	1104916-08	Solid	10/12/11 10:10	10/12/11 13:55
GC-SS9_0.5-0.5	1104916-09	Solid	10/12/11 10:20	10/12/11 13:55
GC-SS7_0.5-0.5	1104916-10	Solid	10/12/11 10:40	10/12/11 13:55
GC-SS11_0.5-0.5	1104916-11	Solid	10/12/11 11:00	10/12/11 13:55
GC-SS10_0.5-0.5	1104916-12	Solid	10/12/11 11:20	10/12/11 13:55
M-1	1104916-13	Solid	10/12/11 00:00	10/12/11 13:55
FB-1	1104916-14	Water	10/12/11 00:00	10/12/11 13:55
Trip Blank	1104916-15	Methanol	10/12/11 00:00	10/12/11 13:55

Shipping Container Information

Default Cooler Temperature (°C): 5.8

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

An LCS/LCSD/MS was prepared and analyzed for 8270 SVOC water batch B1J1806 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

The recovery for barium in the MS sample for batch B1J1704 was outside of the laboratory control limits. The LCS/LCSD, MSD samples, and %RPDs were within limits. The MS/MSD source sample was E160D-SS1_0.5-0.5.

Methylene chloride was detected in the 8260 batch B1J2015 BLK1 between the MDL and RL.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS1_0.5-0.5 (1104916-01) Soil Sampled: 10/12/11 08:00 Received: 10/12/11 13:55										
Arsenic	11	0.57	0.062	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	170	1.1	0.068	mg/kg dry	1	"	"	"	"	M3
Cadmium	0.40	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	25	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	20	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1J1908	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
E160D-SS2_0.5-0.5 (1104916-02) Soil Sampled: 10/12/11 08:15 Received: 10/12/11 13:55										
Arsenic	6.4	0.52	0.057	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	94	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	0.31	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	16	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	15	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.000010	0.000010	0.0000019	mg/kg dry	1	B1J1908	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
E160D-SS5_0.5-0.5 (1104916-03) Solid Sampled: 10/12/11 08:30 Received: 10/12/11 13:55										
Arsenic	1.9	0.51	0.056	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	18	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	7.4	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	3.9	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1908	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
E160D-SS6_0.5-0.5 (1104916-04) Solid Sampled: 10/12/11 08:35 Received: 10/12/11 13:55										
Arsenic	2.4	0.51	0.056	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	37	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.3	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	5.0	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.088	0.088	0.017	mg/kg dry	1	B1J1908	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
E160D-SS8_0.5-0.5 (1104916-05) Solid Sampled: 10/12/11 08:45 Received: 10/12/11 13:55										
Arsenic	5.5	0.54	0.059	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS8_0.5-0.5 (1104916-05) Solid Sampled: 10/12/11 08:45 Received: 10/12/11 13:55										
Barium	120	1.1	0.065	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	16	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	8.7	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1908	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
E160D-SS9_0.5-0.5 (1104916-06) Solid Sampled: 10/12/11 09:00 Received: 10/12/11 13:55										
Arsenic	3.4	0.54	0.059	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	53	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	12	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	6.2	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.093	0.093	0.018	mg/kg dry	1	B1J1908	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
E160D-SS10_0.5-0.5 (1104916-07) Solid Sampled: 10/12/11 09:30 Received: 10/12/11 13:55										
Arsenic	1.9	0.51	0.056	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	29	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	9.1	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	3.4	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1908	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
GC-SS8_0.5-0.5 (1104916-08) Solid Sampled: 10/12/11 10:10 Received: 10/12/11 13:55										
Arsenic	4.5	0.54	0.059	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	67	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	13	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	10	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1908	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
GC-SS9_0.5-0.5 (1104916-09) Solid Sampled: 10/12/11 10:20 Received: 10/12/11 13:55										
Arsenic	5.2	0.50	0.055	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	97	1.0	0.060	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS9_0.5-0.5 (1104916-09) Solid Sampled: 10/12/11 10:20 Received: 10/12/11 13:55										
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Chromium	15	0.50	0.012	mg/kg dry	1	"	"	"	"	
Lead	11	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.093	0.093	0.018	mg/kg dry	1	B1J1908	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.095	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
GC-SS7_0.5-0.5 (1104916-10) Solid Sampled: 10/12/11 10:40 Received: 10/12/11 13:55										
Arsenic	1.5	0.51	0.056	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	29	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	5.8	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.9	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.090	0.090	0.017	mg/kg dry	1	B1J1908	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
GC-SS11_0.5-0.5 (1104916-11) Solid Sampled: 10/12/11 11:00 Received: 10/12/11 13:55										
Arsenic	4.5	0.54	0.059	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	73	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	14	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	6.5	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.099	0.099	0.019	mg/kg dry	1	B1J1908	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
GC-SS10_0.5-0.5 (1104916-12) Solid Sampled: 10/12/11 11:20 Received: 10/12/11 13:55										
Arsenic	3.4	0.53	0.059	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	56	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	11	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	8.8	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.097	0.097	0.018	mg/kg dry	1	B1J1908	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
M-1 (1104916-13) Solid Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
Arsenic	11	0.56	0.062	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	180	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	0.36	0.28	0.037	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1104916-13) Solid Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
Chromium	26	0.56	0.013	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Lead	17	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1908	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
FB-1 (1104916-14) Water Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1J1308	10/13/11	10/13/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1J1315	10/13/11	10/17/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1J1308	10/13/11	10/13/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS1_0.5-0.5 (1104916-01) Soil Sampled: 10/12/11 08:00 Received: 10/12/11 13:55										
% Solids	88			%	1	B1J1406	10/14/11	10/14/11	% calculation	
E160D-SS2_0.5-0.5 (1104916-02) Soil Sampled: 10/12/11 08:15 Received: 10/12/11 13:55										
% Solids	91			%	1	B1J1406	10/14/11	10/14/11	% calculation	
E160D-SS5_0.5-0.5 (1104916-03) Solid Sampled: 10/12/11 08:30 Received: 10/12/11 13:55										
% Solids	99			%	1	B1J1406	10/14/11	10/14/11	% calculation	
E160D-SS6_0.5-0.5 (1104916-04) Solid Sampled: 10/12/11 08:35 Received: 10/12/11 13:55										
% Solids	98			%	1	B1J1406	10/14/11	10/14/11	% calculation	
E160D-SS8_0.5-0.5 (1104916-05) Solid Sampled: 10/12/11 08:45 Received: 10/12/11 13:55										
% Solids	93			%	1	B1J1406	10/14/11	10/14/11	% calculation	
E160D-SS9_0.5-0.5 (1104916-06) Solid Sampled: 10/12/11 09:00 Received: 10/12/11 13:55										
% Solids	93			%	1	B1J1406	10/14/11	10/14/11	% calculation	
E160D-SS10_0.5-0.5 (1104916-07) Solid Sampled: 10/12/11 09:30 Received: 10/12/11 13:55										
% Solids	98			%	1	B1J1406	10/14/11	10/14/11	% calculation	
GC-SS8_0.5-0.5 (1104916-08) Solid Sampled: 10/12/11 10:10 Received: 10/12/11 13:55										
% Solids	93			%	1	B1J1406	10/14/11	10/14/11	% calculation	
GC-SS9_0.5-0.5 (1104916-09) Solid Sampled: 10/12/11 10:20 Received: 10/12/11 13:55										
% Solids	94			%	1	B1J1406	10/14/11	10/14/11	% calculation	
GC-SS7_0.5-0.5 (1104916-10) Solid Sampled: 10/12/11 10:40 Received: 10/12/11 13:55										
% Solids	99			%	1	B1J1406	10/14/11	10/14/11	% calculation	
GC-SS11_0.5-0.5 (1104916-11) Solid Sampled: 10/12/11 11:00 Received: 10/12/11 13:55										
% Solids	93			%	1	B1J1406	10/14/11	10/14/11	% calculation	
GC-SS10_0.5-0.5 (1104916-12) Solid Sampled: 10/12/11 11:20 Received: 10/12/11 13:55										
% Solids	94			%	1	B1J1406	10/14/11	10/14/11	% calculation	
M-1 (1104916-13) Solid Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
% Solids	89			%	1	B1J1406	10/14/11	10/14/11	% calculation	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS1_0.5-0.5 (1104916-01) Soil Sampled: 10/12/11 08:00 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS1_0.5-0.5 (1104916-01) Soil Sampled: 10/12/11 08:00 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.045	0.38	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	82.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	82.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	95.6			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS2_0.5-0.5 (1104916-02) Soil Sampled: 10/12/11 08:15 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS2_0.5-0.5 (1104916-02) Soil Sampled: 10/12/11 08:15 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	82.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	67.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	89.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS5_0.5-0.5 (1104916-03) Solid Sampled: 10/12/11 08:30 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS5_0.5-0.5 (1104916-03) Solid Sampled: 10/12/11 08:30 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	78.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	90.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS6_0.5-0.5 (1104916-04) Solid Sampled: 10/12/11 08:35 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1903	10/19/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS6_0.5-0.5 (1104916-04) Solid Sampled: 10/12/11 08:35 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1903	10/19/11	10/20/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	90.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS8_0.5-0.5 (1104916-05) Solid Sampled: 10/12/11 08:45 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS8_0.5-0.5 (1104916-05) Solid Sampled: 10/12/11 08:45 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS9_0.5-0.5 (1104916-06) Solid Sampled: 10/12/11 09:00 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS9_0.5-0.5 (1104916-06) Solid Sampled: 10/12/11 09:00 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	87.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS10_0.5-0.5 (1104916-07) Solid Sampled: 10/12/11 09:30 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1903	10/19/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS10_0.5-0.5 (1104916-07) Solid Sampled: 10/12/11 09:30 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1903	10/19/11	10/20/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	75.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS8_0.5-0.5 (1104916-08) Solid Sampled: 10/12/11 10:10 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.076	0.35	0.039	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.054	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS8_0.5-0.5 (1104916-08) Solid Sampled: 10/12/11 10:10 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.040	0.35	0.035	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.11	0.35	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	0.051	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	78.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	65.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	82.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS9_0.5-0.5 (1104916-09) Solid Sampled: 10/12/11 10:20 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS9_0.5-0.5 (1104916-09) Solid Sampled: 10/12/11 10:20 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.059	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS7_0.5-0.5 (1104916-10) Solid Sampled: 10/12/11 10:40 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J1903	10/19/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS7_0.5-0.5 (1104916-10) Solid Sampled: 10/12/11 10:40 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1J1903	10/19/11	10/20/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.048	0.33	0.044	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	66.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	58.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	54.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	56.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	53.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	81.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS11_0.5-0.5 (1104916-11) Solid Sampled: 10/12/11 11:00 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS11_0.5-0.5 (1104916-11) Solid Sampled: 10/12/11 11:00 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	75.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	91.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS10_0.5-0.5 (1104916-12) Solid Sampled: 10/12/11 11:20 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1903	10/19/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.065	0.35	0.038	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.062	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS10_0.5-0.5 (1104916-12) Solid Sampled: 10/12/11 11:20 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J1903	10/19/11	10/20/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.038	0.35	0.035	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.056	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.058	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.11	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	0.071	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	83.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1104916-13) Solid Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1J1903	10/19/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1104916-13) Solid Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1J1903	10/19/11	10/20/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	85.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	67.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	92.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-1 (1104916-14) Water **Sampled: 10/12/11 00:00** **Received: 10/12/11 13:55**

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1J1806	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1104916-14) Water Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1J1806	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	T-1
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.8			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.3			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.2			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.1			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	59.2			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.7			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS1_0.5-0.5 (1104916-01) Soil Sampled: 10/12/11 08:00 Received: 10/12/11 13:55										
1,1,1,2-Tetrachloroethane	<0.083	0.35	0.083	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
1,1,1-Trichloroethane	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.048	0.35	0.048	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.096	0.35	0.096	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.030	0.35	0.030	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.086	0.71	0.086	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.034	0.35	0.034	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.038	0.71	0.038	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.12	2.8	0.12	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.020	0.35	0.020	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.030	0.35	0.030	mg/kg dry	1	"	"	"	"	
Acetone	<0.27	2.8	0.27	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Benzene	<0.021	0.35	0.021	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bromoform	<0.038	0.71	0.038	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.16	0.71	0.16	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.048	0.35	0.048	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Chloroform	<0.030	0.35	0.030	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.086	0.35	0.086	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS1_0.5-0.5 (1104916-01) Soil Sampled: 10/12/11 08:00 Received: 10/12/11 13:55										
cis-1,3-Dichloropropene	<0.031	0.35	0.031	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
Dibromochloromethane	<0.048	0.35	0.048	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.14	0.71	0.14	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.054	0.35	0.054	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.054	0.71	0.054	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.016	0.35	0.016	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.098	1.4	0.098	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.067	0.71	0.067	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.12	0.71	0.12	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.082	1.4	0.082	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.078	0.71	0.078	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.030	0.35	0.030	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.020	0.35	0.020	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
Styrene	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.17	2.8	0.17	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.058	0.35	0.058	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.050	0.35	0.050	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.092	0.35	0.092	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.9			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	95.4			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	96.0			78.1-125 %		"	"	"	"	

E160D-SS2_0.5-0.5 (1104916-02) Soil Sampled: 10/12/11 08:15 Received: 10/12/11 13:55										
1,1,1,2-Tetrachloroethane	<0.080	0.34	0.080	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
1,1,1-Trichloroethane	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.092	0.34	0.092	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS2_0.5-0.5 (1104916-02) Soil Sampled: 10/12/11 08:15 Received: 10/12/11 13:55										
1,1-Dichloroethene	<0.034	0.34	0.034	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
1,1-Dichloropropene	<0.029	0.34	0.029	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.083	0.68	0.083	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.033	0.34	0.033	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.12	2.7	0.12	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.019	0.34	0.019	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.029	0.34	0.029	mg/kg dry	1	"	"	"	"	
Acetone	<0.26	2.7	0.26	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Benzene	<0.020	0.34	0.020	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Bromoform	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.15	0.68	0.15	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.026	0.34	0.026	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Chloroform	<0.029	0.34	0.029	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.083	0.34	0.083	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.13	0.68	0.13	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.052	0.34	0.052	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.052	0.68	0.052	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-SS2_0.5-0.5 (1104916-02) Soil Sampled: 10/12/11 08:15 Received: 10/12/11 13:55										
Ethylbenzene	<0.015	0.34	0.015	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
Hexachlorobutadiene	<0.094	1.4	0.094	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.026	0.34	0.026	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.064	0.68	0.064	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.11	0.68	0.11	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.079	1.4	0.079	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.075	0.68	0.075	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.029	0.34	0.029	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.019	0.34	0.019	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
Styrene	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.16	2.7	0.16	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.056	0.34	0.056	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.048	0.34	0.048	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.088	0.34	0.088	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.0			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.5			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	94.4			78.1-125 %		"	"	"	"	

GC-SS8_0.5-0.5 (1104916-08) Solid Sampled: 10/12/11 10:10 Received: 10/12/11 13:55										W-03
1,1,1,2-Tetrachloroethane	<0.088	0.37	0.088	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
1,1,1-Trichloroethane	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.050	0.37	0.050	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.10	0.37	0.10	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.031	0.37	0.031	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.091	0.74	0.091	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.036	0.37	0.036	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.040	0.74	0.040	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	0.058	0.37	0.027	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS8_0.5-0.5 (1104916-08) Solid										W-03
Sampled: 10/12/11 10:10 Received: 10/12/11 13:55										
1,2-Dibromo-3-chloropropane	<0.10	0.74	0.10	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.13	3.0	0.13	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.021	0.37	0.021	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.031	0.37	0.031	mg/kg dry	1	"	"	"	"	
Acetone	<0.28	3.0	0.28	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Benzene	<0.022	0.37	0.022	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.055	0.37	0.055	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Bromoform	<0.040	0.74	0.040	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.16	0.74	0.16	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.050	0.37	0.050	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.028	0.37	0.028	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.055	0.37	0.055	mg/kg dry	1	"	"	"	"	
Chloroform	0.12	0.37	0.031	mg/kg dry	1	"	"	"	"	J
Chloromethane	<0.091	0.37	0.091	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.050	0.37	0.050	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.15	0.74	0.15	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.056	0.37	0.056	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.056	0.74	0.056	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.016	0.37	0.016	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.10	1.5	0.10	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.028	0.37	0.028	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.070	0.74	0.070	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.12	0.74	0.12	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS8_0.5-0.5 (1104916-08) Solid Sampled: 10/12/11 10:10 Received: 10/12/11 13:55										W-03
Methylene chloride	<0.086	1.5	0.086	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
Naphthalene	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.031	0.37	0.031	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.021	0.37	0.021	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
Styrene	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.18	3.0	0.18	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.061	0.37	0.061	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.052	0.37	0.052	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.097	0.37	0.097	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	100			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	96.3			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	98.8			78.1-125 %		"	"	"	"	
GC-SS9_0.5-0.5 (1104916-09) Solid Sampled: 10/12/11 10:20 Received: 10/12/11 13:55										W-03
1,1,1,2-Tetrachloroethane	<0.088	0.37	0.088	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
1,1,1-Trichloroethane	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.051	0.37	0.051	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.10	0.37	0.10	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.031	0.37	0.031	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.091	0.75	0.091	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.036	0.37	0.036	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.040	0.75	0.040	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS9_0.5-0.5 (1104916-09) Solid										W-03
Sampled: 10/12/11 10:20 Received: 10/12/11 13:55										
1,3-Dichlorobenzene	<0.039	0.37	0.039	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
1,3-Dichloropropane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.13	3.0	0.13	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.021	0.37	0.021	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.031	0.37	0.031	mg/kg dry	1	"	"	"	"	
Acetone	<0.28	3.0	0.28	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.087	0.75	0.087	mg/kg dry	1	"	"	"	"	
Benzene	<0.022	0.37	0.022	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.055	0.37	0.055	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Bromoform	<0.040	0.75	0.040	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.16	0.75	0.16	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.051	0.37	0.051	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.028	0.37	0.028	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.055	0.37	0.055	mg/kg dry	1	"	"	"	"	
Chloroform	<0.031	0.37	0.031	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.091	0.37	0.091	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.051	0.37	0.051	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.15	0.75	0.15	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.057	0.37	0.057	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.057	0.75	0.057	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.016	0.37	0.016	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.10	1.5	0.10	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.028	0.37	0.028	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.070	0.75	0.070	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.12	0.75	0.12	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.087	1.5	0.087	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.082	0.75	0.082	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.031	0.37	0.031	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.021	0.37	0.021	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS9_0.5-0.5 (1104916-09) Solid										W-03
Sampled: 10/12/11 10:20 Received: 10/12/11 13:55										
sec-Butylbenzene	<0.025	0.37	0.025	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
Styrene	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.18	3.0	0.18	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.061	0.37	0.061	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.052	0.37	0.052	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.097	0.37	0.097	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	105			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.1			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	98.1			78.1-125 %		"	"	"	"	
GC-SS7_0.5-0.5 (1104916-10) Solid										
Sampled: 10/12/11 10:40 Received: 10/12/11 13:55										
1,1,1,2-Tetrachloroethane	<0.054	0.23	0.054	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
1,1,1-Trichloroethane	<0.030	0.23	0.030	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.024	0.23	0.024	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.031	0.23	0.031	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.063	0.23	0.063	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.021	0.23	0.021	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.023	0.23	0.023	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.019	0.23	0.019	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.056	0.46	0.056	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.022	0.23	0.022	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.025	0.46	0.025	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.017	0.23	0.017	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.064	0.46	0.064	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.020	0.23	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.018	0.23	0.018	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.025	0.23	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.029	0.23	0.029	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.018	0.23	0.018	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.024	0.23	0.024	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.020	0.23	0.020	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.016	0.23	0.016	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.055	0.46	0.055	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.081	1.8	0.081	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.013	0.23	0.013	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS7_0.5-0.5 (1104916-10) Solid Sampled: 10/12/11 10:40 Received: 10/12/11 13:55										
4-Chlorotoluene	<0.019	0.23	0.019	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
Acetone	<0.18	1.8	0.18	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.054	0.46	0.054	mg/kg dry	1	"	"	"	"	
Benzene	<0.014	0.23	0.014	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.025	0.23	0.025	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.034	0.23	0.034	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.025	0.23	0.025	mg/kg dry	1	"	"	"	"	
Bromoform	<0.025	0.46	0.025	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.10	0.46	0.10	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.031	0.23	0.031	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.018	0.23	0.018	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.034	0.23	0.034	mg/kg dry	1	"	"	"	"	
Chloroform	<0.019	0.23	0.019	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.056	0.23	0.056	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.024	0.23	0.024	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.020	0.23	0.020	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.031	0.23	0.031	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.027	0.23	0.027	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.091	0.46	0.091	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.035	0.23	0.035	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.035	0.46	0.035	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.010	0.23	0.010	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.064	0.92	0.064	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.018	0.23	0.018	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.043	0.46	0.043	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.076	0.46	0.076	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.015	0.23	0.015	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.054	0.92	0.054	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.051	0.46	0.051	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.025	0.23	0.025	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.019	0.23	0.019	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.023	0.23	0.023	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.013	0.23	0.013	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.016	0.23	0.016	mg/kg dry	1	"	"	"	"	
Styrene	<0.018	0.23	0.018	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.017	0.23	0.017	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.026	0.23	0.026	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.11	1.8	0.11	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.015	0.23	0.015	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS7_0.5-0.5 (1104916-10) Solid Sampled: 10/12/11 10:40 Received: 10/12/11 13:55										
trans-1,2-Dichloroethane	<0.028	0.23	0.028	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
trans-1,3-Dichloropropene	<0.021	0.23	0.021	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.038	0.23	0.038	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.032	0.23	0.032	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.060	0.23	0.060	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.8			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.7			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	95.1			78.1-125 %		"	"	"	"	
GC-SS10_0.5-0.5 (1104916-12) Solid Sampled: 10/12/11 11:20 Received: 10/12/11 13:55										
1,1,1,2-Tetrachloroethane	<0.092	0.39	0.092	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
1,1,1-Trichloroethane	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.053	0.39	0.053	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.11	0.39	0.11	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.095	0.78	0.095	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.042	0.78	0.042	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	0.070	0.39	0.028	mg/kg dry	1	"	"	"	"	J
1,2-Dibromo-3-chloropropane	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.14	3.1	0.14	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
Acetone	<0.30	3.1	0.30	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.090	0.78	0.090	mg/kg dry	1	"	"	"	"	
Benzene	<0.023	0.39	0.023	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.058	0.39	0.058	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS10_0.5-0.5 (1104916-12) Solid										W-03
Sampled: 10/12/11 11:20 Received: 10/12/11 13:55										
Bromodichloromethane	<0.042	0.39	0.042	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
Bromoform	<0.042	0.78	0.042	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.17	0.78	0.17	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.053	0.39	0.053	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.030	0.39	0.030	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.058	0.39	0.058	mg/kg dry	1	"	"	"	"	
Chloroform	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.095	0.39	0.095	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.053	0.39	0.053	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.15	0.78	0.15	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.059	0.39	0.059	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.059	0.78	0.059	mg/kg dry	1	"	"	"	"	
Ethylbenzene	0.018	0.39	0.017	mg/kg dry	1	"	"	"	"	J
Hexachlorobutadiene	<0.11	1.6	0.11	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.030	0.39	0.030	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.073	0.78	0.073	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.13	0.78	0.13	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.025	0.39	0.025	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.090	1.6	0.090	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.086	0.78	0.086	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
o-Xylene	0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	J
p-Isopropyltoluene	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
Styrene	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.044	0.39	0.044	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.19	3.1	0.19	mg/kg dry	1	"	"	"	"	T-1
Toluene	0.030	0.39	0.025	mg/kg dry	1	"	"	"	"	J
trans-1,2-Dichloroethene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.064	0.39	0.064	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.055	0.39	0.055	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.10	0.39	0.10	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	104			80-124 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS10_0.5-0.5 (1104916-12) Solid Sampled: 10/12/11 11:20 Received: 10/12/11 13:55										W-03
Surrogate: Dibromofluoromethane	95.5		77.1-123	%		B1J1301	10/13/11	10/13/11	EPA 8260B	
Surrogate: Toluene-d8	97.3		78.1-125	%		"	"	"	"	
M-1 (1104916-13) Solid Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										W-03
1,1,1,2-Tetrachloroethane	<0.089	0.38	0.089	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
1,1,1-Trichloroethane	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.10	0.38	0.10	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.032	0.38	0.032	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.092	0.75	0.092	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.041	0.75	0.041	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.13	3.0	0.13	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.021	0.38	0.021	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.032	0.38	0.032	mg/kg dry	1	"	"	"	"	
Acetone	<0.29	3.0	0.29	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.087	0.75	0.087	mg/kg dry	1	"	"	"	"	
Benzene	<0.023	0.38	0.023	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bromoform	<0.041	0.75	0.041	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.17	0.75	0.17	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.029	0.38	0.029	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1104916-13) Solid Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										W-03
Chloroform	<0.032	0.38	0.032	mg/kg dry	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
Chloromethane	<0.092	0.38	0.092	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.15	0.75	0.15	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.057	0.38	0.057	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.057	0.75	0.057	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.017	0.38	0.017	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.10	1.5	0.10	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.029	0.38	0.029	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.071	0.75	0.071	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.12	0.75	0.12	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.024	0.38	0.024	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.087	1.5	0.087	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.083	0.75	0.083	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.032	0.38	0.032	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.021	0.38	0.021	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
Styrene	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.18	3.0	0.18	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.024	0.38	0.024	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.062	0.38	0.062	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.053	0.38	0.053	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.098	0.38	0.098	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	95.2			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	98.6			78.1-125 %		"	"	"	"	

FB-1 (1104916-14) Water Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1J2015	10/19/11	10/19/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1104916-14) Water Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	B1J2015	10/19/11	10/19/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	4.2	20	3.8	ug/L	1	"	"	"	"	J
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	0.29	1.0	0.15	ug/L	1	"	"	"	"	J
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1104916-14) Water Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	B1J2015	10/19/11	10/19/11	EPA 8260B	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	T-1
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	M1
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	T-1
Toluene	0.45	1.0	0.10	ug/L	1	"	"	"	"	J
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.3			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.8			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	96.5			80-120 %		"	"	"	"	

Trip Blank (1104916-15) Methanol Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1104916-15) Methanol Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1104916-15) Methanol Sampled: 10/12/11 00:00 Received: 10/12/11 13:55										
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	B1J1301	10/13/11	10/13/11	EPA 8260B	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	<0.058	1.0	0.058	mg/kg wet	1	"	"	"	"	
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	T-1
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	96.5			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	92.7			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	94.3			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1308 - EPA 200.7/3005A Digestion

Blank (B1J1308-BLK1)

Prepared & Analyzed: 10/13/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1J1308-BS1)

Prepared & Analyzed: 10/13/11

Arsenic	0.396	0.010	0.0011	mg/L	0.399		99.2	80-120			
Barium	0.413	0.020	0.0012	mg/L	0.399		104	80-120			
Cadmium	0.394	0.0010	0.00013	mg/L	0.399		98.6	80-120			
Chromium	0.402	0.010	0.00024	mg/L	0.399		101	80-120			
Lead	0.415	0.0030	0.00042	mg/L	0.399		104	80-120			
Selenium	0.393	0.020	0.0019	mg/L	0.399		98.5	80-120			
Silver	0.0399	0.0050	0.00031	mg/L	0.0399		100	80-120			

LCS Dup (B1J1308-BSD1)

Prepared & Analyzed: 10/13/11

Arsenic	0.401	0.010	0.0011	mg/L	0.399		101	80-120	1.35	20	
Barium	0.424	0.020	0.0012	mg/L	0.399		106	80-120	2.60	20	
Cadmium	0.399	0.0010	0.00013	mg/L	0.399		100	80-120	1.41	20	
Chromium	0.408	0.010	0.00024	mg/L	0.399		102	80-120	1.42	20	
Lead	0.422	0.0030	0.00042	mg/L	0.399		106	80-120	1.58	20	
Selenium	0.403	0.020	0.0019	mg/L	0.399		101	80-120	2.40	20	
Silver	0.0411	0.0050	0.00031	mg/L	0.0399		103	80-120	2.93	20	

Matrix Spike (B1J1308-MS1)

Source: 1104916-14

Prepared & Analyzed: 10/13/11

Arsenic	0.398	0.010	0.0011	mg/L	0.399	<0.010	99.7	75-125			
Barium	0.423	0.020	0.0012	mg/L	0.399	<0.020	105	75-125			
Cadmium	0.396	0.0010	0.00013	mg/L	0.399	<0.0010	99.3	75-125			
Chromium	0.405	0.010	0.00024	mg/L	0.399	<0.010	101	75-125			
Lead	0.418	0.0030	0.00042	mg/L	0.399	<0.0030	105	75-125			
Selenium	0.393	0.020	0.0019	mg/L	0.399	<0.020	98.5	75-125			
Silver	0.0405	0.0050	0.00031	mg/L	0.0399	<0.0050	101	75-125			

Matrix Spike Dup (B1J1308-MSD1)

Source: 1104916-14

Prepared & Analyzed: 10/13/11

Arsenic	0.398	0.010	0.0011	mg/L	0.399	<0.010	99.8	75-125	0.0734	20	
Barium	0.421	0.020	0.0012	mg/L	0.399	<0.020	105	75-125	0.324	20	
Cadmium	0.397	0.0010	0.00013	mg/L	0.399	<0.0010	99.5	75-125	0.155	20	
Chromium	0.407	0.010	0.00024	mg/L	0.399	<0.010	102	75-125	0.518	20	
Lead	0.421	0.0030	0.00042	mg/L	0.399	<0.0030	106	75-125	0.830	20	
Selenium	0.397	0.020	0.0019	mg/L	0.399	<0.020	99.5	75-125	1.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1308 - EPA 200.7/3005A Digestion

Matrix Spike Dup (B1J1308-MSD1)

Source: 1104916-14

Prepared & Analyzed: 10/13/11

Silver	0.0397	0.0050	0.00031	mg/L	0.0399	<0.0050	99.6	75-125	1.85	20	
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Batch B1J1315 - EPA 245.1/7470A Digestion

Blank (B1J1315-BLK1)

Prepared: 10/13/11 Analyzed: 10/14/11

Mercury	< 0.00020	0.00020	0.000037	mg/L							
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LCS (B1J1315-BS1)

Prepared: 10/13/11 Analyzed: 10/14/11

Mercury	0.00206	0.00020	0.000037	mg/L	0.00200		103	80-120			
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LCS Dup (B1J1315-BSD1)

Prepared: 10/13/11 Analyzed: 10/14/11

Mercury	0.00209	0.00020	0.000037	mg/L	0.00200		104	80-120	1.45	20	
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Matrix Spike (B1J1315-MS1)

Source: 1104845-09

Prepared: 10/13/11 Analyzed: 10/17/11

Mercury	0.00212	0.00020	0.000037	mg/L	0.00200	<0.00020	103	75-125			
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Matrix Spike Dup (B1J1315-MSD1)

Source: 1104845-09

Prepared: 10/13/11 Analyzed: 10/17/11

Mercury	0.00210	0.00020	0.000037	mg/L	0.00200	<0.00020	102	75-125	0.948	20	
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Batch B1J1704 - EPA 3050B

Blank (B1J1704-BLK1)

Prepared: 10/17/11 Analyzed: 10/18/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1704-BS1)

Prepared: 10/17/11 Analyzed: 10/18/11

Arsenic	41.2	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	43.2	1.0	0.060	mg/kg wet	39.9		108	80-120			
Cadmium	42.1	0.25	0.033	mg/kg wet	39.9		105	80-120			
Chromium	42.4	0.50	0.012	mg/kg wet	39.9		106	80-120			
Lead	42.4	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	41.3	1.0	0.095	mg/kg wet	39.9		104	80-120			
Silver	4.11	0.25	0.016	mg/kg wet	3.99		103	80-120			

LCS Dup (B1J1704-BSD1)

Prepared: 10/17/11 Analyzed: 10/18/11

Arsenic	41.2	0.50	0.055	mg/kg wet	39.9		103	80-120	0.0312	20	
Barium	43.1	1.0	0.060	mg/kg wet	39.9		108	80-120	0.197	20	
Cadmium	42.1	0.25	0.033	mg/kg wet	39.9		105	80-120	0.0326	20	
Chromium	42.5	0.50	0.012	mg/kg wet	39.9		106	80-120	0.0789	20	
Lead	42.4	1.0	0.14	mg/kg wet	39.9		106	80-120	0.0336	20	
Selenium	41.4	1.0	0.095	mg/kg wet	39.9		104	80-120	0.158	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1704 - EPA 3050B											
LCS Dup (B1J1704-BSD1)											
						Prepared: 10/17/11	Analyzed: 10/18/11				
Silver	4.15	0.25	0.016	mg/kg wet	3.99		104	80-120	1.12	20	
Matrix Spike (B1J1704-MS1)											
						Source: 1104916-01	Prepared: 10/17/11 Analyzed: 10/18/11				
Arsenic	49.5	0.57	0.062	mg/kg dry	44.3	10.7	87.6	75-125			
Barium	241	1.1	0.068	mg/kg dry	44.3	175	150	75-125			M3
Cadmium	39.9	0.28	0.038	mg/kg dry	44.3	0.396	89.1	75-125			
Chromium	67.7	0.57	0.014	mg/kg dry	44.3	24.9	96.5	75-125			
Lead	56.1	1.1	0.16	mg/kg dry	44.3	19.7	81.9	75-125			
Selenium	36.4	1.1	0.11	mg/kg dry	44.3	<1.1	82.0	75-125			
Silver	3.80	0.28	0.018	mg/kg dry	4.43	<0.28	85.8	75-125			
Matrix Spike Dup (B1J1704-MSD1)											
						Source: 1104916-01	Prepared: 10/17/11 Analyzed: 10/18/11				
Arsenic	49.0	0.57	0.062	mg/kg dry	44.1	10.7	86.8	75-125	1.19	20	
Barium	214	1.1	0.068	mg/kg dry	44.1	175	90.0	75-125	11.9	20	
Cadmium	40.4	0.28	0.038	mg/kg dry	44.1	0.396	90.9	75-125	1.31	20	
Chromium	67.2	0.57	0.014	mg/kg dry	44.1	24.9	95.9	75-125	0.710	20	
Lead	55.0	1.1	0.16	mg/kg dry	44.1	19.7	80.0	75-125	1.90	20	
Selenium	37.3	1.1	0.11	mg/kg dry	44.1	<1.1	84.7	75-125	2.65	20	
Silver	3.90	0.28	0.018	mg/kg dry	4.41	<0.28	88.4	75-125	2.43	20	
Batch B1J1908 - EPA 7471A											
Blank (B1J1908-BLK1)											
						Prepared: 10/19/11 Analyzed: 10/20/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1908-BS1)											
						Prepared: 10/19/11 Analyzed: 10/20/11					
Mercury	0.184	0.10	0.019	mg/kg wet	0.200		92.0	80-120			
LCS Dup (B1J1908-BSD1)											
						Prepared: 10/19/11 Analyzed: 10/20/11					
Mercury	0.180	0.10	0.019	mg/kg wet	0.200		90.0	80-120	2.20	20	
Matrix Spike (B1J1908-MS1)											
						Source: 1104916-01	Prepared: 10/19/11 Analyzed: 10/20/11				
Mercury	0.284	0.11	0.022	mg/kg dry	0.225	<0.11	107	75-125			
Matrix Spike Dup (B1J1908-MSD1)											
						Source: 1104916-01	Prepared: 10/19/11 Analyzed: 10/20/11				
Mercury	0.266	0.11	0.022	mg/kg dry	0.223	<0.11	101	75-125	6.50	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1406 - General Preparation											
Duplicate (B1J1406-DUP1)											
% Solids	99.0			%		99.0			0.00	20	
Duplicate (B1J1406-DUP2)											
% Solids	88.0			%		89.0			1.13	20	
Duplicate (B1J1406-DUP3)											
% Solids	91.0			%		92.0			1.09	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

Blank (B1J1806-BLK1)

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

Blank (B1J1806-BLK1)

Prepared & Analyzed: 10/18/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	86.3			ug/L	100		86.3	30-122			
Surrogate: 2-Fluorobiphenyl	71.0			ug/L	100		71.0	39.2-104			
Surrogate: 2-Fluorophenol	68.1			ug/L	100		68.1	30-80.1			
Surrogate: Nitrobenzene-d5	74.6			ug/L	100		74.6	51.2-103			
Surrogate: Phenol-d6	67.4			ug/L	100		67.4	30-75.3			
Surrogate: Terphenyl-d14	70.6			ug/L	100		70.6	30-116			

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

LCS (B1J1806-BS1)

Prepared: 10/18/11 Analyzed: 10/19/11

1,2,4-Trichlorobenzene	69.0	10	0.30	ug/L	100		69.0	47.4-88.7			
1,4-Dichlorobenzene	69.8	10	0.29	ug/L	100		69.8	39.5-81			
2,4-Dinitrotoluene	88.5	10	0.45	ug/L	100		88.5	67.2-99.3			
2-Chlorophenol	72.8	10	0.39	ug/L	100		72.8	56.5-85.9			
4-Chloro-3-methylphenol	81.7	10	0.48	ug/L	100		81.7	62.1-98.2			
4-Nitrophenol	77.6	10	0.78	ug/L	100		77.6	40.5-98.5			
Anthracene	86.7	10	0.56	ug/L	100		86.7	70.6-95.3			
Benzo(a)anthracene	92.8	10	0.50	ug/L	100		92.8	73.7-96.6			
Benzo(a)pyrene	85.7	10	0.41	ug/L	100		85.7	70.9-92.6			
Chrysene	94.7	10	0.61	ug/L	100		94.7	71.8-97.5			
Fluoranthene	82.5	10	0.61	ug/L	100		82.5	73.6-96.8			
Fluorene	78.0	10	0.52	ug/L	100		78.0	69.3-93.3			
N-Nitrosodi-n-propylamine	76.3	10	0.25	ug/L	100		76.3	65.9-89.3			
Pentachlorophenol	84.4	10	0.90	ug/L	100		84.4	55-107			
Phenanthrene	88.3	10	0.35	ug/L	100		88.3	72.5-97.6			
Phenol	63.9	10	0.41	ug/L	100		63.9	34.1-71.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	90.4			ug/L	100		90.4	30-122			
<i>Surrogate: 2-Fluorobiphenyl</i>	70.5			ug/L	100		70.5	39.2-104			
<i>Surrogate: 2-Fluorophenol</i>	68.8			ug/L	100		68.8	30-80.1			
<i>Surrogate: Nitrobenzene-d5</i>	74.6			ug/L	100		74.6	51.2-103			
<i>Surrogate: Phenol-d6</i>	65.6			ug/L	100		65.6	30-75.3			
<i>Surrogate: Terphenyl-d14</i>	77.6			ug/L	100		77.6	30-116			

LCS Dup (B1J1806-BSD1)

Prepared: 10/18/11 Analyzed: 10/19/11

Q9, QM-10

1,2,4-Trichlorobenzene	67.9	10	0.30	ug/L	100		67.9	47.4-88.7	1.64	20	
1,4-Dichlorobenzene	69.4	10	0.29	ug/L	100		69.4	39.5-81	0.601	20	
2,4-Dinitrotoluene	87.2	10	0.45	ug/L	100		87.2	67.2-99.3	1.46	20	
2-Chlorophenol	70.8	10	0.39	ug/L	100		70.8	56.5-85.9	2.73	20	
4-Chloro-3-methylphenol	81.3	10	0.48	ug/L	100		81.3	62.1-98.2	0.381	20	
4-Nitrophenol	76.7	10	0.78	ug/L	100		76.7	40.5-98.5	1.25	20	
Anthracene	85.6	10	0.56	ug/L	100		85.6	70.6-95.3	1.26	20	
Benzo(a)anthracene	92.0	10	0.50	ug/L	100		92.0	73.7-96.6	0.919	20	
Benzo(a)pyrene	85.0	10	0.41	ug/L	100		85.0	70.9-92.6	0.887	20	
Chrysene	95.1	10	0.61	ug/L	100		95.1	71.8-97.5	0.384	20	
Fluoranthene	82.4	10	0.61	ug/L	100		82.4	73.6-96.8	0.102	20	
Fluorene	77.7	10	0.52	ug/L	100		77.7	69.3-93.3	0.435	20	
N-Nitrosodi-n-propylamine	76.7	10	0.25	ug/L	100		76.7	65.9-89.3	0.443	20	
Pentachlorophenol	80.2	10	0.90	ug/L	100		80.2	55-107	5.05	20	
Phenanthrene	87.3	10	0.35	ug/L	100		87.3	72.5-97.6	1.12	20	
Phenol	63.8	10	0.41	ug/L	100		63.8	34.1-71.6	0.148	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

LCS Dup (B1J1806-BSD1)

Prepared: 10/18/11 Analyzed: 10/19/11

Q9, QM-10

Surrogate: 2,4,6-Tribromophenol	87.9			ug/L	100		87.9	30-122			
Surrogate: 2-Fluorobiphenyl	69.9			ug/L	100		69.9	39.2-104			
Surrogate: 2-Fluorophenol	68.0			ug/L	100		68.0	30-80.1			
Surrogate: Nitrobenzene-d5	74.1			ug/L	100		74.1	51.2-103			
Surrogate: Phenol-d6	65.4			ug/L	100		65.4	30-75.3			
Surrogate: Terphenyl-d14	76.3			ug/L	100		76.3	30-116			

Matrix Spike (B1J1806-MS1)

Source: 1104924-01

Prepared: 10/18/11 Analyzed: 10/19/11

1,2,4-Trichlorobenzene	65.2	10	0.30	ug/L	101	<10	64.5	39.2-90.6			
1,4-Dichlorobenzene	64.1	10	0.29	ug/L	101	<10	62.4	34.1-81.6			
2,4-Dinitrotoluene	80.1	10	0.45	ug/L	101	<10	79.3	41.1-110			
2-Chlorophenol	68.3	10	0.39	ug/L	101	<10	67.6	30-96.4			
4-Chloro-3-methylphenol	64.7	10	0.48	ug/L	101	<10	64.0	30-113			
4-Nitrophenol	82.6	10	0.78	ug/L	101	<10	81.8	30-112			
Anthracene	75.5	10	0.56	ug/L	101	<10	74.7	30-119			
Benzo(a)anthracene	72.8	10	0.50	ug/L	101	<10	72.1	30-122			
Benzo(a)pyrene	71.3	10	0.41	ug/L	101	<10	70.6	30-118			
Chrysene	76.7	10	0.61	ug/L	101	<10	76.0	30-125			
Fluoranthene	68.6	10	0.61	ug/L	101	<10	67.9	31.6-119			
Fluorene	67.9	10	0.52	ug/L	101	<10	67.3	40.8-107			
N-Nitrosodi-n-propylamine	69.5	10	0.25	ug/L	101	<10	68.8	47.2-94.8			
Pentachlorophenol	84.5	10	0.90	ug/L	101	<10	83.6	30-130			
Phenanthrene	78.9	10	0.35	ug/L	101	<10	78.2	38.2-117			
Phenol	64.6	10	0.41	ug/L	101	<10	58.6	30-80			
Surrogate: 2,4,6-Tribromophenol	83.9			ug/L	101		83.0	30-122			
Surrogate: 2-Fluorobiphenyl	65.4			ug/L	101		64.8	39.2-104			
Surrogate: 2-Fluorophenol	61.3			ug/L	101		60.7	30-80.1			
Surrogate: Nitrobenzene-d5	69.6			ug/L	101		68.9	51.2-103			
Surrogate: Phenol-d6	60.4			ug/L	101		59.8	30-75.3			
Surrogate: Terphenyl-d14	42.8			ug/L	101		42.4	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Blank (B1J1903-BLK1)

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Blank (B1J1903-BLK1)

Prepared & Analyzed: 10/19/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.61			mg/kg wet	6.67		69.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.53			mg/kg wet	6.67		68.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.26			mg/kg wet	6.67		63.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.28			mg/kg wet	6.67		64.1	48.9-100			
Surrogate: Phenol-d6	4.12			mg/kg wet	6.67		61.9	50.4-99.6			
Surrogate: Terphenyl-d14	6.03			mg/kg wet	6.67		90.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

LCS (B1J1903-BS1)

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.11	0.33	0.031	mg/kg wet	6.67		61.6	59.1-87.7			
1,4-Dichlorobenzene	4.01	0.33	0.029	mg/kg wet	6.67		60.1	50.3-72.9			
2,4-Dinitrotoluene	4.72	0.33	0.035	mg/kg wet	6.67		70.8	59.8-82.2			
2-Chlorophenol	4.41	0.67	0.060	mg/kg wet	6.67		66.2	59.7-77.3			
4-Chloro-3-methylphenol	4.47	0.67	0.066	mg/kg wet	6.67		67.0	63.6-80.4			
4-Nitrophenol	4.27	0.67	0.093	mg/kg wet	6.67		64.1	57.3-84.9			
Anthracene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.3-88			
Benzo(a)anthracene	5.48	0.33	0.041	mg/kg wet	6.67		82.3	66.5-90.5			
Benzo(a)pyrene	5.68	0.33	0.042	mg/kg wet	6.67		85.2	66.1-89.7			
Chrysene	5.31	0.33	0.044	mg/kg wet	6.67		79.7	65.5-90.5			
Fluoranthene	5.56	0.33	0.039	mg/kg wet	6.67		83.5	66.7-89.9			
Fluorene	5.20	0.33	0.035	mg/kg wet	6.67		78.0	66.2-85.6			
N-Nitrosodi-n-propylamine	4.22	0.33	0.033	mg/kg wet	6.67		63.3	59.4-78			
Pentachlorophenol	3.34	0.67	0.078	mg/kg wet	6.67		50.1	46.7-83.2			
Phenanthrene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.5-87.9			
Phenol	4.26	0.67	0.069	mg/kg wet	6.67		63.9	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.49			mg/kg wet	6.67		67.4	53-107			
Surrogate: 2-Fluorobiphenyl	4.52			mg/kg wet	6.67		67.8	53.9-97.9			
Surrogate: 2-Fluorophenol	3.99			mg/kg wet	6.67		59.9	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.22			mg/kg wet	6.67		63.3	48.9-100			
Surrogate: Phenol-d6	4.36			mg/kg wet	6.67		65.4	50.4-99.6			
Surrogate: Terphenyl-d14	4.79			mg/kg wet	6.67		71.9	51-99.6			

Matrix Spike (B1J1903-MS1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.49	0.33	0.031	mg/kg dry	6.82	<0.33	65.8	44.8-97.9			
1,4-Dichlorobenzene	3.99	0.33	0.029	mg/kg dry	6.82	<0.33	58.6	42.3-77.9			
2,4-Dinitrotoluene	5.30	0.33	0.035	mg/kg dry	6.82	<0.33	77.7	57.3-86.6			
2-Chlorophenol	4.25	0.68	0.061	mg/kg dry	6.82	<0.68	62.3	43.3-93.2			
4-Chloro-3-methylphenol	5.11	0.68	0.067	mg/kg dry	6.82	<0.68	74.9	47.1-97.6			
4-Nitrophenol	5.32	0.68	0.094	mg/kg dry	6.82	<0.68	77.9	49.3-96.2			
Anthracene	5.44	0.33	0.036	mg/kg dry	6.82	<0.33	79.7	67.5-93.1			
Benzo(a)anthracene	5.69	0.33	0.041	mg/kg dry	6.82	<0.33	83.4	59.8-95.7			
Benzo(a)pyrene	5.26	0.33	0.042	mg/kg dry	6.82	<0.33	77.1	59.8-92.7			
Chrysene	5.80	0.33	0.044	mg/kg dry	6.82	<0.33	85.0	62.5-94.6			
Fluoranthene	5.27	0.33	0.039	mg/kg dry	6.82	<0.33	77.2	61.3-92.8			
Fluorene	5.13	0.33	0.035	mg/kg dry	6.82	<0.33	75.2	62.8-92.6			
N-Nitrosodi-n-propylamine	4.58	0.33	0.033	mg/kg dry	6.82	<0.33	67.1	46.9-89.9			
Pentachlorophenol	4.07	0.68	0.079	mg/kg dry	6.82	<0.68	59.6	40.1-95.1			
Phenanthrene	5.40	0.33	0.036	mg/kg dry	6.82	<0.33	79.2	65.2-92.2			
Phenol	4.36	0.68	0.070	mg/kg dry	6.82	<0.68	64.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Matrix Spike (B1J1903-MS1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

Surrogate: 2,4,6-Tribromophenol	5.70			mg/kg dry	6.82		83.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.43			mg/kg dry	6.82		64.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.17			mg/kg dry	6.82		61.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.37			mg/kg dry	6.82		64.1	48.9-100			
Surrogate: Phenol-d6	4.59			mg/kg dry	6.82		67.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.91			mg/kg dry	6.82		72.1	51-99.6			

Matrix Spike Dup (B1J1903-MSD1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.02	0.33	0.031	mg/kg dry	6.74	<0.33	59.7	44.8-97.9	11.0	19.6	
1,4-Dichlorobenzene	3.53	0.33	0.029	mg/kg dry	6.74	<0.33	52.3	42.3-77.9	12.4	22.4	
2,4-Dinitrotoluene	5.11	0.33	0.035	mg/kg dry	6.74	<0.33	75.8	57.3-86.6	3.64	19.5	
2-Chlorophenol	3.82	0.68	0.061	mg/kg dry	6.74	<0.68	56.7	43.3-93.2	10.7	23.7	
4-Chloro-3-methylphenol	4.86	0.68	0.067	mg/kg dry	6.74	<0.68	72.1	47.1-97.6	5.03	18.3	
4-Nitrophenol	5.21	0.68	0.094	mg/kg dry	6.74	<0.68	77.3	49.3-96.2	1.99	20.4	
Anthracene	5.28	0.33	0.036	mg/kg dry	6.74	<0.33	78.4	67.5-93.1	2.91	19.9	
Benzo(a)anthracene	5.57	0.33	0.041	mg/kg dry	6.74	<0.33	82.7	59.8-95.7	2.08	23.4	
Benzo(a)pyrene	5.16	0.33	0.042	mg/kg dry	6.74	<0.33	76.6	59.8-92.7	1.88	21.1	
Chrysene	5.69	0.33	0.044	mg/kg dry	6.74	<0.33	84.5	62.5-94.6	1.81	24.8	
Fluoranthene	5.15	0.33	0.039	mg/kg dry	6.74	<0.33	76.5	61.3-92.8	2.21	21.8	
Fluorene	4.90	0.33	0.035	mg/kg dry	6.74	<0.33	72.7	62.8-92.6	4.58	17.6	
N-Nitrosodi-n-propylamine	4.17	0.33	0.033	mg/kg dry	6.74	<0.33	61.9	46.9-89.9	9.23	18.9	
Pentachlorophenol	4.00	0.68	0.079	mg/kg dry	6.74	<0.68	59.4	40.1-95.1	1.54	19.7	
Phenanthrene	5.22	0.33	0.036	mg/kg dry	6.74	<0.33	77.5	65.2-92.2	3.40	20.5	
Phenol	3.97	0.68	0.070	mg/kg dry	6.74	<0.68	59.0	44.7-91	9.39	17.9	
Surrogate: 2,4,6-Tribromophenol	5.50			mg/kg dry	6.74		81.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.13			mg/kg dry	6.74		61.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.68			mg/kg dry	6.74		54.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg dry	6.74		58.3	48.9-100			
Surrogate: Phenol-d6	4.18			mg/kg dry	6.74		62.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.81			mg/kg dry	6.74		71.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1301 - EPA 5035 Soil (Purge and Trap)

Blank (B1J1301-BLK1)

Prepared & Analyzed: 10/13/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1301 - EPA 5035 Soil (Purge and Trap)

Blank (B1J1301-BLK1)

Prepared & Analyzed: 10/13/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	47.6			ug/L	50.0		95.3	80-124			
Surrogate: Dibromofluoromethane	48.5			ug/L	50.0		97.0	77.1-123			
Surrogate: Toluene-d8	47.4			ug/L	50.0		94.8	78.1-125			

LCS (B1J1301-BS1)

Prepared & Analyzed: 10/13/11

1,1,2,2-Tetrachloroethane	47.0			ug/L	50.0		93.9	75-120			
1,1-Dichloroethane	45.3			ug/L	50.0		90.6	79.6-120			
1,1-Dichloroethene	45.6			ug/L	50.0		91.1	78.3-120			
1,3,5-Trimethylbenzene	48.5			ug/L	50.0		97.0	77-120			
1,4-Dichlorobenzene	50.2			ug/L	50.0		100	75-125			
2-Chlorotoluene	48.8			ug/L	50.0		97.6	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1301 - EPA 5035 Soil (Purge and Trap)

LCS (B1J1301-BS1)

Prepared & Analyzed: 10/13/11

Benzene	47.1			ug/L	50.0		94.3	80-120			
Bromoform	50.4			ug/L	50.0		101	80-120			
Chlorobenzene	49.6			ug/L	50.0		99.3	80-120			
Chloroform	46.7			ug/L	50.0		93.4	80-120			
Ethylbenzene	51.2			ug/L	50.0		102	80-120			
n-Butylbenzene	50.0			ug/L	50.0		100	75-125			
n-Propylbenzene	49.0			ug/L	50.0		97.9	75-120			
Toluene	49.9			ug/L	50.0		99.8	80-120			
Trichloroethene	49.0			ug/L	50.0		98.0	80-120			
Vinyl chloride	50.6			ug/L	50.0		101	75-130			
Surrogate: 4-Bromofluorobenzene	49.7			ug/L	50.0		99.4	80-124			
Surrogate: Dibromofluoromethane	47.8			ug/L	50.0		95.6	77.1-123			
Surrogate: Toluene-d8	48.2			ug/L	50.0		96.3	78.1-125			

Matrix Spike (B1J1301-MS1)

Source: 1104916-08

Prepared & Analyzed: 10/13/11

1,1,2,2-Tetrachloroethane	48.3			ug/L	50.0	<	96.7	75-125			
1,1-Dichloroethane	46.8			ug/L	50.0	<	93.5	78.7-123			
1,1-Dichloroethene	46.0			ug/L	50.0	<	92.1	75.8-121			
1,3,5-Trimethylbenzene	49.2			ug/L	50.0	<	98.5	75-120			
1,4-Dichlorobenzene	50.5			ug/L	50.0	<	101	75-125			
2-Chlorotoluene	49.4			ug/L	50.0	<	98.8	75-120			
Benzene	47.0			ug/L	50.0	<	94.1	80-120			
Bromoform	52.2			ug/L	50.0	<	104	80-120			
Chlorobenzene	50.7			ug/L	50.0	<	101	80-120			
Chloroform	47.1			ug/L	50.0	0.817	92.5	80-120			
Ethylbenzene	52.1			ug/L	50.0	<	104	80-120			
n-Butylbenzene	51.2			ug/L	50.0	<	102	73.8-125			
n-Propylbenzene	50.2			ug/L	50.0	<	100	75-120			
Toluene	49.5			ug/L	50.0	<	99.1	80-120			
Trichloroethene	49.5			ug/L	50.0	<	98.9	80-120			
Vinyl chloride	51.5			ug/L	50.0	<	103	74.8-130			
Surrogate: 4-Bromofluorobenzene	48.7			ug/L	50.0		97.3	80-124			
Surrogate: Dibromofluoromethane	46.9			ug/L	50.0		93.7	77.1-123			
Surrogate: Toluene-d8	47.7			ug/L	50.0		95.4	78.1-125			

Matrix Spike Dup (B1J1301-MSD1)

Source: 1104916-08

Prepared & Analyzed: 10/13/11

1,1,2,2-Tetrachloroethane	49.4			ug/L	50.0	<	98.8	75-125	2.13	20	
1,1-Dichloroethane	46.5			ug/L	50.0	<	93.0	78.7-123	0.581	20	
1,1-Dichloroethene	46.8			ug/L	50.0	<	93.5	75.8-121	1.60	20	
1,3,5-Trimethylbenzene	49.9			ug/L	50.0	<	99.8	75-120	1.31	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1301 - EPA 5035 Soil (Purge and Trap)

Matrix Spike Dup (B1J1301-MSD1)

Source: 1104916-08

Prepared & Analyzed: 10/13/11

1,4-Dichlorobenzene	49.9			ug/L	50.0	<	99.9	75-125	1.09	20	
2-Chlorotoluene	49.4			ug/L	50.0	<	98.7	75-120	0.0834	20	
Benzene	47.2			ug/L	50.0	<	94.4	80-120	0.375	20	
Bromoform	50.6			ug/L	50.0	<	101	80-120	3.10	20	
Chlorobenzene	49.3			ug/L	50.0	<	98.6	80-120	2.90	20	
Chloroform	46.6			ug/L	50.0	0.817	91.5	80-120	1.03	20	
Ethylbenzene	50.4			ug/L	50.0	<	101	80-120	3.20	20	
n-Butylbenzene	49.2			ug/L	50.0	<	98.5	73.8-125	3.89	20	
n-Propylbenzene	51.0			ug/L	50.0	<	102	75-120	1.53	20	
Toluene	48.9			ug/L	50.0	<	97.8	80-120	1.31	20	
Trichloroethene	48.4			ug/L	50.0	<	96.8	80-120	2.19	20	
Vinyl chloride	50.2			ug/L	50.0	<	100	74.8-130	2.47	20	
Surrogate: 4-Bromofluorobenzene	49.1			ug/L	50.0		98.2	80-124			
Surrogate: Dibromofluoromethane	47.2			ug/L	50.0		94.5	77.1-123			
Surrogate: Toluene-d8	46.9			ug/L	50.0		93.8	78.1-125			

Batch B1J2015 - EPA 5030 Water (Purge and Trap)

Blank (B1J2015-BLK1)

Prepared & Analyzed: 10/19/11

1,1,1,2-Tetrachloroethane	< 0.29	1.0	0.29	ug/L							
1,1,1-Trichloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2,2-Tetrachloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2-Trichloroethane	< 0.19	1.0	0.19	ug/L							
1,1,2-Trichlorotrifluoroethane	< 0.25	1.0	0.25	ug/L							
1,1-Dichloroethane	< 0.15	1.0	0.15	ug/L							
1,1-Dichloroethene	< 0.24	1.0	0.24	ug/L							
1,1-Dichloropropene	< 0.14	1.0	0.14	ug/L							
1,2,3-Trichlorobenzene	< 0.35	5.0	0.35	ug/L							
1,2,3-Trichloropropane	< 0.22	2.5	0.22	ug/L							
1,2,4-Trichlorobenzene	< 0.30	5.0	0.30	ug/L							
1,2,4-Trimethylbenzene	< 0.072	1.0	0.072	ug/L							
1,2-Dibromo-3-chloropropane	< 0.40	5.0	0.40	ug/L							
1,2-Dibromoethane (EDB)	< 0.15	2.5	0.15	ug/L							
1,2-Dichlorobenzene	< 0.12	1.0	0.12	ug/L							
1,2-Dichloroethane	< 0.26	1.0	0.26	ug/L							
1,2-Dichloropropane	< 0.19	1.0	0.19	ug/L							
1,3,5-Trimethylbenzene	< 0.11	1.0	0.11	ug/L							
1,3-Dichlorobenzene	< 0.15	1.0	0.15	ug/L							
1,3-Dichloropropane	< 0.16	1.0	0.16	ug/L							
1,4-Dichlorobenzene	< 0.081	1.0	0.081	ug/L							
2,2-Dichloropropane	< 0.66	5.0	0.66	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2015 - EPA 5030 Water (Purge and Trap)

Blank (B1J2015-BLK1)

Prepared & Analyzed: 10/19/11

2-Butanone	< 0.65	20	0.65	ug/L							
2-Chlorotoluene	< 0.081	1.0	0.081	ug/L							
4-Chlorotoluene	< 0.11	1.0	0.11	ug/L							
Acetone	< 3.8	20	3.8	ug/L							
Allyl chloride	< 0.51	5.0	0.51	ug/L							
Benzene	< 0.071	1.0	0.071	ug/L							
Bromobenzene	< 0.082	1.0	0.082	ug/L							
Bromochloromethane	< 0.20	1.0	0.20	ug/L							
Bromodichloromethane	< 0.23	1.0	0.23	ug/L							
Bromoform	< 0.26	5.0	0.26	ug/L							
Bromomethane	< 0.32	5.0	0.32	ug/L							
Carbon tetrachloride	< 0.15	1.0	0.15	ug/L							
Chlorobenzene	< 0.20	1.0	0.20	ug/L							
Chloroethane	< 0.27	2.5	0.27	ug/L							
Chloroform	< 0.15	1.0	0.15	ug/L							
Chloromethane	< 0.24	2.5	0.24	ug/L							
cis-1,2-Dichloroethene	< 0.12	1.0	0.12	ug/L							
cis-1,3-Dichloropropene	< 0.18	1.0	0.18	ug/L							
Dibromochloromethane	< 0.26	2.5	0.26	ug/L							
Dibromomethane	< 0.24	2.5	0.24	ug/L							
Dichlorodifluoromethane	< 0.25	5.0	0.25	ug/L							
Dichlorofluoromethane	< 0.21	1.0	0.21	ug/L							
Ethyl ether	< 0.27	5.0	0.27	ug/L							
Ethylbenzene	< 0.28	1.0	0.28	ug/L							
Hexachlorobutadiene	< 0.42	10	0.42	ug/L							
Isopropylbenzene	< 0.12	1.0	0.12	ug/L							
m,p-Xylene	< 0.57	2.0	0.57	ug/L							
Methyl isobutyl ketone	< 0.40	5.0	0.40	ug/L							
Methyl tert-butyl ether	< 0.16	1.0	0.16	ug/L							
Methylene chloride	1.16	5.0	0.85	ug/L							B-02, J
Naphthalene	< 0.30	5.0	0.30	ug/L							
n-Butylbenzene	< 0.15	2.5	0.15	ug/L							
n-Propylbenzene	< 0.094	1.0	0.094	ug/L							
o-Xylene	< 0.19	1.0	0.19	ug/L							
p-Isopropyltoluene	< 0.14	2.5	0.14	ug/L							
sec-Butylbenzene	< 0.11	1.0	0.11	ug/L							
Styrene	< 0.21	1.0	0.21	ug/L							
tert-Butylbenzene	< 0.091	1.0	0.091	ug/L							
Tetrachloroethene	< 0.28	1.0	0.28	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2015 - EPA 5030 Water (Purge and Trap)

Blank (B1J2015-BLK1)

Prepared & Analyzed: 10/19/11

Tetrahydrofuran	< 0.75	20	0.75	ug/L							
Toluene	< 0.10	1.0	0.10	ug/L							
trans-1,2-Dichloroethene	< 0.056	1.0	0.056	ug/L							
trans-1,3-Dichloropropene	< 0.14	1.0	0.14	ug/L							
Trichloroethene	< 0.18	1.0	0.18	ug/L							
Trichlorofluoromethane	< 0.29	1.0	0.29	ug/L							
Vinyl chloride	< 0.21	1.0	0.21	ug/L							
Surrogate: 4-Bromofluorobenzene	49.6			ug/L	50.0		99.2	80-121			
Surrogate: Dibromofluoromethane	48.6			ug/L	50.0		97.3	79.9-121			
Surrogate: Toluene-d8	48.6			ug/L	50.0		97.2	80-120			

LCS (B1J2015-BS1)

Prepared & Analyzed: 10/19/11

1,1,1,2-Tetrachloroethane	45.6	1.0	0.16	ug/L	50.0		91.2	80-121			
1,1-Dichloroethane	48.5	1.0	0.15	ug/L	50.0		97.0	80-125			
1,1-Dichloroethene	45.0	1.0	0.24	ug/L	50.0		90.0	80-125			
1,3,5-Trimethylbenzene	47.8	1.0	0.11	ug/L	50.0		95.6	75.4-125			
1,4-Dichlorobenzene	49.7	1.0	0.081	ug/L	50.0		99.4	75-125			
2-Chlorotoluene	50.8	1.0	0.081	ug/L	50.0		102	75.4-125			
Benzene	43.3	1.0	0.071	ug/L	50.0		86.5	80-120			
Bromoform	57.0	5.0	0.26	ug/L	50.0		114	80-120			
Chlorobenzene	52.6	1.0	0.20	ug/L	50.0		105	80-120			
Chloroform	48.3	1.0	0.15	ug/L	50.0		96.6	80-123			
Ethylbenzene	58.8	1.0	0.28	ug/L	50.0		118	80-120			
n-Butylbenzene	52.1	2.5	0.15	ug/L	50.0		104	75-125			
n-Propylbenzene	52.1	1.0	0.094	ug/L	50.0		104	75.8-125			
Toluene	53.9	1.0	0.10	ug/L	50.0		108	80-120			
Trichloroethene	52.5	1.0	0.18	ug/L	50.0		105	80-120			
Vinyl chloride	50.2	1.0	0.21	ug/L	50.0		100	75-130			
Surrogate: 4-Bromofluorobenzene	50.8			ug/L	50.0		102	80-121			
Surrogate: Dibromofluoromethane	48.2			ug/L	50.0		96.5	79.9-121			
Surrogate: Toluene-d8	49.6			ug/L	50.0		99.1	80-120			

Matrix Spike (B1J2015-MS1)

Source: 1104916-14

Prepared & Analyzed: 10/19/11

1,1,1,2-Tetrachloroethane	45.3	1.0	0.16	ug/L	50.0	<1.0	90.6	76.8-125			
1,1-Dichloroethane	50.3	1.0	0.15	ug/L	50.0	<1.0	101	80-125			
1,1-Dichloroethene	46.8	1.0	0.24	ug/L	50.0	<1.0	93.7	80-125			
1,3,5-Trimethylbenzene	47.0	1.0	0.11	ug/L	50.0	<1.0	94.0	75-125			
1,4-Dichlorobenzene	50.0	1.0	0.081	ug/L	50.0	<1.0	100	75-125			
2-Chlorotoluene	50.3	1.0	0.081	ug/L	50.0	<1.0	101	75-125			
Benzene	44.2	1.0	0.071	ug/L	50.0	<1.0	88.5	80-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2015 - EPA 5030 Water (Purge and Trap)

Matrix Spike (B1J2015-MS1)	Source: 1104916-14			Prepared & Analyzed: 10/19/11							
Bromoform	59.7	5.0	0.26	ug/L	50.0	<5.0	119	80-120			
Chlorobenzene	54.9	1.0	0.20	ug/L	50.0	<1.0	110	80-120			
Chloroform	50.1	1.0	0.15	ug/L	50.0	<1.0	99.6	79.8-125			
Ethylbenzene	61.3	1.0	0.28	ug/L	50.0	<1.0	123	80-120			M1
n-Butylbenzene	51.4	2.5	0.15	ug/L	50.0	<2.5	103	75-130			
n-Propylbenzene	51.2	1.0	0.094	ug/L	50.0	<1.0	102	75-125			
Toluene	55.6	1.0	0.10	ug/L	50.0	<1.0	110	80-120			
Trichloroethene	53.1	1.0	0.18	ug/L	50.0	<1.0	106	80-120			
Vinyl chloride	49.9	1.0	0.21	ug/L	50.0	<1.0	99.9	75-130			
Surrogate: 4-Bromofluorobenzene	50.3			ug/L	50.0		101	80-121			
Surrogate: Dibromofluoromethane	47.0			ug/L	50.0		94.0	79.9-121			
Surrogate: Toluene-d8	49.0			ug/L	50.0		98.0	80-120			

Matrix Spike Dup (B1J2015-MSD1)	Source: 1104916-14			Prepared & Analyzed: 10/19/11							
1,1,2,2-Tetrachloroethane	47.3	1.0	0.16	ug/L	50.0	<1.0	94.5	76.8-125	4.25	20	
1,1-Dichloroethane	49.5	1.0	0.15	ug/L	50.0	<1.0	99.0	80-125	1.55	20	
1,1-Dichloroethene	46.0	1.0	0.24	ug/L	50.0	<1.0	92.0	80-125	1.79	20	
1,3,5-Trimethylbenzene	49.0	1.0	0.11	ug/L	50.0	<1.0	97.9	75-125	4.07	20	
1,4-Dichlorobenzene	50.7	1.0	0.081	ug/L	50.0	<1.0	101	75-125	1.23	20	
2-Chlorotoluene	52.2	1.0	0.081	ug/L	50.0	<1.0	104	75-125	3.80	20	
Benzene	44.5	1.0	0.071	ug/L	50.0	<1.0	89.1	80-120	0.701	20	
Bromoform	59.7	5.0	0.26	ug/L	50.0	<5.0	119	80-120	0.0149	20	
Chlorobenzene	55.7	1.0	0.20	ug/L	50.0	<1.0	111	80-120	1.43	20	
Chloroform	49.5	1.0	0.15	ug/L	50.0	<1.0	98.4	79.8-125	1.24	20	
Ethylbenzene	62.3	1.0	0.28	ug/L	50.0	<1.0	125	80-120	1.64	20	M1
n-Butylbenzene	52.8	2.5	0.15	ug/L	50.0	<2.5	106	75-130	2.62	20	
n-Propylbenzene	53.2	1.0	0.094	ug/L	50.0	<1.0	106	75-125	3.83	20	
Toluene	54.8	1.0	0.10	ug/L	50.0	<1.0	109	80-120	1.38	20	
Trichloroethene	52.3	1.0	0.18	ug/L	50.0	<1.0	105	80-120	1.62	20	
Vinyl chloride	49.2	1.0	0.21	ug/L	50.0	<1.0	98.3	75-130	1.52	20	
Surrogate: 4-Bromofluorobenzene	50.2			ug/L	50.0		100	80-121			
Surrogate: Dibromofluoromethane	47.5			ug/L	50.0		95.0	79.9-121			
Surrogate: Toluene-d8	48.6			ug/L	50.0		97.3	80-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104916 Date Reported: 10/20/11
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Notes and Definitions

W-03	The initial sample weight was less than 8.0 grams.
T-1	MDH does not offer certification for this parameter.
QM-10	LCS/LCSD were analyzed in place of MS/MSD.
Q9	Insufficient sample received to meet method QC requirements.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
B-02	Target analyte was present in the method blank between the MDL and RL.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody										Number of Containers/Preservative		COC <u>L of 2</u>											
4700 West 77th Street BARR Minneapolis, MN 55435-4803 (952) 832-2600										Water		Soil		Project Manager: <u>JME</u>									
Project Number: <u>23/19-1092 48RT 820</u> Project Name: <u>UMare East RE - Gow Central</u> Sample Origination State: <u>MN</u> (use two letter postal state abbreviation) CDC Number: <u>NO 37399</u>										VOCs (unpreserved) #2		VOCs (lared MeOH) #1		Project QC Contact: <u>AAU</u>									
										Dissolved Metals (HNO ₃)		DRO (lared unpreserved)		Sampled by: <u>ADW/AKB</u>									
										Total Metals (HNO ₃)		Metals (unpreserved)		Laboratory: <u>Legend</u>									
										General (unpreserved) #3		SVOCs (unpreserved) #2		Total Number Of Containers									
										Diesel Range Organics (HCl)		% Solids (plastic vial, unpres.)											
										Nutrients (H ₂ SO ₄) #4													
										QC													
										Matrix		Type											
										Water: Soil		Grab Comp.											
										Depth Unit (m./ft. or in.)		Collection Date (mm/dd/yyyy)		Collection Time (h:mm)									
										Start Depth		Stop Depth											
										Location													
1. E160D-SS1										0.5	0.5	FT	10/12/2011	8:00	X	X			X	X	X	3	Analyse for RECA metals, SVOCs, VOCs
2. E160D-SS2														8:15	X	X			X	X	X	3	
3. E160D-SS5														8:30	X	X			X	X	X	2	Analyse for RECA metals, SVOCs
4. E160D-SS6														8:35	X	X	X		X	X	X	2	MS/MSD
5. E160D-SS8														8:45	X	X			X	X	X	2	
6. E160D-SS9														9:00	X	X			X	X	X	2	
7. E160D-SS10														9:30	X	X			X	X	X	2	
8. GC-SS8														10:10	X	X			3	33X	9	Analyse for RECA metals, SVOCs, VOCs MS/MSD	
9. GC-SS9														10:20	X	X			X	X	X	3	
10. GC-SS7														10:40	X	X			X	X	X	3	

Relinquished by: <u>[Signature]</u>		On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Date: <u>10/12/11</u>	Time:	Received by:	Date:	Time:
Relinquished By:		On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Date:	Time:	Received by: <u>[Signature]</u>	Date: <u>10/12/11</u>	Time: <u>1355</u>
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler					Air Bill Number:		
Other: <u>5.84 Dropped off</u>							

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Legend Technical Services, Inc.
 The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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Chain of Custody
BARR
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1104916

Project Number: 23/19-109Z 48RE 820
 Project Name: Umoe East RE - Low Central
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: **No 37398**

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		Number of Containers/Preservative										Total Number Of Containers							
						Water	Soil	Grab	Comp.	OC	VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRQ, BTEX (tared MeOH) #1		DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)			
1. GC-SS11	0.5	0.5	ft	10/12/2011	11:00	X	X																		2		
2. GC-SS11 SS10	↓	↓	↓	↓	11:20	X	X																			3	
3. M-1	-	-	-	10/12/2011	-	X	X	X																		3	
4. FB-1	-	-	-	10/12/2011	-	X			XXX	X																5	
5. TB-1																											5
6.																											
7.																											
8.																											
9.																											
10.																											

COC 2 of 2

Project Manager: JME
 Project QC Contact: AAN
 Sampled by: AAN/AKB
 Laboratory: Legend

2 Analyze for EOCAs metals, SVOCs
 3 Analyze for BTEX metals, VOCs, SVOCs
 ↓
 Trip Blank

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: [Signature] On Ice? N Date 10/12/2011 Time _____ Received by: _____ Date _____ Time _____
 Relinquished By: _____ On Ice? Y Date _____ Time _____ Received by: Kelly Prober Date 10/12/2011 Time 1:35
 Samples Shipped VIA: Air Freight Federal Express Sampler Air Bill Number: _____
 Other: _____

Shipped off Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Legend Technical Services, Inc. The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MSL-0105-COC-Chain of Custody Form 2009 RLS Rev. 05/01/09



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 26, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104970
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/14/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "T-L", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
707FFF-SS6_0.5-0.5	1104970-01	Soil	10/13/11 10:30	10/14/11 12:30
707FFF-SS5_0.5-0.5	1104970-02	Soil	10/13/11 10:40	10/14/11 12:30
707FFF-SS3_0.5-0.5	1104970-03	Soil	10/13/11 10:45	10/14/11 12:30
707FFF-SS7_0.5-0.5	1104970-04	Soil	10/13/11 10:50	10/14/11 12:30
707FFF-SS4_0.5-0.5	1104970-05	Soil	10/13/11 10:55	10/14/11 12:30
717A-SS4_0.5-0.5	1104970-06	Soil	10/13/11 11:00	10/14/11 12:30
717A-SS5_0.5-0.5	1104970-07	Soil	10/13/11 11:05	10/14/11 12:30
717A-SS6_0.5-0.5	1104970-08	Soil	10/13/11 11:15	10/14/11 12:30
717A-SS1_0.5-0.5	1104970-09	Soil	10/13/11 12:15	10/14/11 12:30
717A-SS2_0.5-0.5	1104970-10	Soil	10/13/11 12:30	10/14/11 12:30
717A-SS3_0.5-0.5	1104970-11	Soil	10/13/11 12:45	10/14/11 12:30
235A-SS2_0.5-0.5	1104970-12	Soil	10/13/11 13:15	10/14/11 12:30
235A-SS3_0.5-0.5	1104970-13	Soil	10/13/11 13:30	10/14/11 12:30
235A-SS4_0.5-0.5	1104970-14	Soil	10/13/11 13:45	10/14/11 12:30
235A-SS5_0.5-0.5	1104970-15	Soil	10/13/11 13:50	10/14/11 12:30
235A-SS6_0.5-0.5	1104970-16	Soil	10/13/11 14:00	10/14/11 12:30
251A-SS5_0.5-0.5	1104970-17	Soil	10/13/11 14:45	10/14/11 12:30
251A-SS1_0.5-0.5	1104970-18	Soil	10/13/11 15:00	10/14/11 12:30
251A-SS2_0.5-0.5	1104970-19	Soil	10/13/11 15:15	10/14/11 12:30
208D-SS1_0.5-0.5	1104970-20	Soil	10/13/11 15:30	10/14/11 12:30
251A-SS4_0.5-0.5	1104970-21	Soil	10/13/11 14:30	10/14/11 12:30
208D-SS2_0.5-0.5	1104970-22	Soil	10/13/11 15:45	10/14/11 12:30
M-2	1104970-23	Soil	10/13/11 00:00	10/14/11 12:30
FB-2	1104970-24	Water	10/13/11 00:00	10/14/11 12:30

Shipping Container Information

Default Cooler Temperature (°C): 2.7

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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Case Narrative:

An LCS/LCSD was prepared and analyzed for 8082 batch B1J1714 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

The recovery for barium in the MS sample for batch B1J1704 was outside of the laboratory control limits. The LCS/LCSD, MSD samples, and %RPDs were within limits. The MS/MSD source sample was not associated with this work order.

Di-n-butylphthalate was detected in the method blank between the MDL and RL for 8270 batch B1J2001. Samples with di-n-butylphthalate detections less than or equal to 10 times the blank contamination are qualified.

Recovery for 8270 matrix spike compound phenanthrene was above laboratory limits in the batch B1J2001MSD. The MS/MSD source sample was 235A-SS5_0.5-0.5. All target analytes were within limits in the LCS/MS.

Recoveries for the 8270 surrogates 2,4,6-tribromophenol in sample 235A-SS6_0.5-0.5 and terphenyl-d14 in sample 235A-SS6_0.5-0.5 and 208D-SS2_0.5-0.5 were above laboratory limits.

Recoveries of the 8082 surrogate decachlorobiphenyl, surrogate tetrachloro-meta-xylene, and Aroclor 1260 in the batch B1J2406 MSD and the corresponding %RPD were outside laboratory acceptance limits. Recoveries of the surrogates and spike were within limits in the LCS/MS. The source sample was not associated with this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS6_0.5-0.5 (1104970-01) Soil Sampled: 10/13/11 10:30 Received: 10/14/11 12:30										
Arsenic	5.3	0.57	0.063	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	71	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	0.30	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	15	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	39	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	0.18	0.12	0.023	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
707FFF-SS3_0.5-0.5 (1104970-03) Soil Sampled: 10/13/11 10:45 Received: 10/14/11 12:30										
Arsenic	3.4	0.55	0.060	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	52	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	11	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	18	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.099	0.099	0.019	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
235A-SS2_0.5-0.5 (1104970-12) Soil Sampled: 10/13/11 13:15 Received: 10/14/11 12:30										
Arsenic	4.0	0.56	0.062	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	60	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	13	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
235A-SS5_0.5-0.5 (1104970-15) Soil Sampled: 10/13/11 13:50 Received: 10/14/11 12:30										
Arsenic	7.0	0.53	0.058	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Barium	120	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	17	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	12	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.099	0.099	0.019	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1704	10/17/11	10/18/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SS5_0.5-0.5 (1104970-07) Soil Sampled: 10/13/11 11:05 Received: 10/14/11 12:30										
Aroclor 1016	<0.22	0.22	0.0086	mg/kg dry	1	B1J1702	10/17/11	10/19/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.22	0.22	0.0064	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	83.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	87.5			60.9-138 %		"	"	"	"	
717A-SS1_0.5-0.5 (1104970-09) Soil Sampled: 10/13/11 12:15 Received: 10/14/11 12:30										
Aroclor 1016	<0.22	0.22	0.0086	mg/kg dry	1	B1J1702	10/17/11	10/19/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	3.5	1.1	0.032	mg/kg dry	5	"	"	10/19/11	"	
Surrogate: Decachlorobiphenyl	87.5			65.3-143 %		"	"	10/19/11	"	
Surrogate: Tetrachloro-meta-xylene	87.5			60.9-138 %		"	"	"	"	
717A-SS2_0.5-0.5 (1104970-10RE1) Soil Sampled: 10/13/11 12:30 Received: 10/14/11 12:30										
Aroclor 1016	<0.23	0.23	0.0092	mg/kg dry	1	B1J2406	10/17/11	10/25/11	EPA 8082	
Aroclor 1221	<0.23	0.23	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.23	0.23	0.027	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.23	0.23	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.23	0.23	0.047	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.23	0.23	0.047	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.23	0.23	0.0069	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	87.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	92.0			60.9-138 %		"	"	"	"	
717A-SS3_0.5-0.5 (1104970-11) Soil Sampled: 10/13/11 12:45 Received: 10/14/11 12:30										
Aroclor 1016	<0.23	0.23	0.0090	mg/kg dry	1	B1J1702	10/17/11	10/19/11	EPA 8082	
Aroclor 1221	<0.23	0.23	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.23	0.23	0.026	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.23	0.23	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.23	0.23	0.045	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.23	0.23	0.045	mg/kg dry	1	"	"	"	"	
Aroclor 1260	2.2	1.1	0.034	mg/kg dry	5	"	"	10/19/11	"	
Surrogate: Decachlorobiphenyl	87.0			65.3-143 %		"	"	10/19/11	"	
Surrogate: Tetrachloro-meta-xylene	90.5			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-2 (1104970-23) Soil Sampled: 10/13/11 00:00 Received: 10/14/11 12:30										
Aroclor 1016	<0.22	0.22	0.0086	mg/kg dry	1	B1J1702	10/17/11	10/19/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	3.5	1.1	0.032	mg/kg dry	5	"	"	10/19/11	"	
Surrogate: Decachlorobiphenyl	88.5			65.3-143 %		"	"	10/19/11	"	
Surrogate: Tetrachloro-meta-xylene	96.0			60.9-138 %		"	"	"	"	
FB-2 (1104970-24) Water Sampled: 10/13/11 00:00 Received: 10/14/11 12:30										
Aroclor 1016	<1.9	1.9	0.25	ug/L	1	B1J1714	10/17/11	10/19/11	EPA 8082	
Aroclor 1221	<1.9	1.9	0.47	ug/L	1	"	"	"	"	
Aroclor 1232	<1.9	1.9	0.21	ug/L	1	"	"	"	"	
Aroclor 1242	<1.9	1.9	0.18	ug/L	1	"	"	"	"	
Aroclor 1248	<1.9	1.9	0.26	ug/L	1	"	"	"	"	
Aroclor 1254	<1.9	1.9	0.40	ug/L	1	"	"	"	"	
Aroclor 1260	<1.9	1.9	0.16	ug/L	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	78.0			65.6-114 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	81.5			58.9-107 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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PERCENT SOLIDS
 Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS6_0.5-0.5 (1104970-01) Soil	Sampled: 10/13/11 10:30		Received: 10/14/11 12:30							
% Solids	83			%	1	B1J2005	10/20/11	10/20/11	% calculation	
707FFF-SS5_0.5-0.5 (1104970-02) Soil	Sampled: 10/13/11 10:40		Received: 10/14/11 12:30							
% Solids	90			%	1	B1J2005	10/20/11	10/20/11	% calculation	
707FFF-SS3_0.5-0.5 (1104970-03) Soil	Sampled: 10/13/11 10:45		Received: 10/14/11 12:30							
% Solids	91			%	1	B1J2005	10/20/11	10/20/11	% calculation	
707FFF-SS7_0.5-0.5 (1104970-04) Soil	Sampled: 10/13/11 10:50		Received: 10/14/11 12:30							
% Solids	92			%	1	B1J2005	10/20/11	10/20/11	% calculation	
707FFF-SS4_0.5-0.5 (1104970-05) Soil	Sampled: 10/13/11 10:55		Received: 10/14/11 12:30							
% Solids	85			%	1	B1J2005	10/20/11	10/20/11	% calculation	
717A-SS4_0.5-0.5 (1104970-06) Soil	Sampled: 10/13/11 11:00		Received: 10/14/11 12:30							
% Solids	89			%	1	B1J2005	10/20/11	10/20/11	% calculation	
717A-SS5_0.5-0.5 (1104970-07) Soil	Sampled: 10/13/11 11:05		Received: 10/14/11 12:30							
% Solids	92			%	1	B1J2005	10/20/11	10/20/11	% calculation	
717A-SS6_0.5-0.5 (1104970-08) Soil	Sampled: 10/13/11 11:15		Received: 10/14/11 12:30							
% Solids	90			%	1	B1J2005	10/20/11	10/20/11	% calculation	
717A-SS1_0.5-0.5 (1104970-09) Soil	Sampled: 10/13/11 12:15		Received: 10/14/11 12:30							
% Solids	92			%	1	B1J2005	10/20/11	10/20/11	% calculation	
717A-SS2_0.5-0.5 (1104970-10) Soil	Sampled: 10/13/11 12:30		Received: 10/14/11 12:30							
% Solids	86			%	1	B1J2005	10/20/11	10/20/11	% calculation	
717A-SS3_0.5-0.5 (1104970-11) Soil	Sampled: 10/13/11 12:45		Received: 10/14/11 12:30							
% Solids	88			%	1	B1J2005	10/20/11	10/20/11	% calculation	
235A-SS2_0.5-0.5 (1104970-12) Soil	Sampled: 10/13/11 13:15		Received: 10/14/11 12:30							
% Solids	89			%	1	B1J2005	10/20/11	10/20/11	% calculation	
235A-SS3_0.5-0.5 (1104970-13) Soil	Sampled: 10/13/11 13:30		Received: 10/14/11 12:30							
% Solids	89			%	1	B1J2005	10/20/11	10/20/11	% calculation	
235A-SS4_0.5-0.5 (1104970-14) Soil	Sampled: 10/13/11 13:45		Received: 10/14/11 12:30							
% Solids	88			%	1	B1J2005	10/20/11	10/20/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-SS5_0.5-0.5 (1104970-15) Soil	Sampled: 10/13/11 13:50		Received: 10/14/11 12:30							
% Solids	89			%	1	B1J2005	10/20/11	10/20/11	% calculation	
235A-SS6_0.5-0.5 (1104970-16) Soil	Sampled: 10/13/11 14:00		Received: 10/14/11 12:30							
% Solids	95			%	1	B1J2005	10/20/11	10/20/11	% calculation	
251A-SS5_0.5-0.5 (1104970-17) Soil	Sampled: 10/13/11 14:45		Received: 10/14/11 12:30							
% Solids	93			%	1	B1J2005	10/20/11	10/20/11	% calculation	
251A-SS1_0.5-0.5 (1104970-18) Soil	Sampled: 10/13/11 15:00		Received: 10/14/11 12:30							
% Solids	90			%	1	B1J2005	10/20/11	10/20/11	% calculation	
251A-SS2_0.5-0.5 (1104970-19) Soil	Sampled: 10/13/11 15:15		Received: 10/14/11 12:30							
% Solids	95			%	1	B1J2005	10/20/11	10/20/11	% calculation	
208D-SS1_0.5-0.5 (1104970-20) Soil	Sampled: 10/13/11 15:30		Received: 10/14/11 12:30							
% Solids	95			%	1	B1J2005	10/20/11	10/20/11	% calculation	
251A-SS4_0.5-0.5 (1104970-21) Soil	Sampled: 10/13/11 14:30		Received: 10/14/11 12:30							
% Solids	89			%	1	B1J2005	10/20/11	10/20/11	% calculation	
208D-SS2_0.5-0.5 (1104970-22) Soil	Sampled: 10/13/11 15:45		Received: 10/14/11 12:30							
% Solids	89			%	1	B1J2005	10/20/11	10/20/11	% calculation	
M-2 (1104970-23) Soil	Sampled: 10/13/11 00:00		Received: 10/14/11 12:30							
% Solids	92			%	1	B1J2005	10/20/11	10/20/11	% calculation	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS6_0.5-0.5 (1104970-01) Soil Sampled: 10/13/11 10:30 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.81	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.090	0.81	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.096	0.81	0.096	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.047	0.40	0.047	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.072	0.81	0.072	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.81	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.81	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.81	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.81	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.81	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.81	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.095	0.40	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.077	0.40	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.12	0.40	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.078	0.40	0.052	mg/kg dry	1	"	"	"	"	J

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS6_0.5-0.5 (1104970-01) Soil Sampled: 10/13/11 10:30 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	<0.058	0.40	0.058	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.81	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.10	0.40	0.053	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.053	0.40	0.053	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.058	0.40	0.058	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.16	0.40	0.047	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.042	0.40	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.40	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.063	0.40	0.048	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.40	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.094	0.81	0.094	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.12	0.40	0.043	mg/kg dry	1	"	"	"	"	J
Phenol	<0.083	0.81	0.083	mg/kg dry	1	"	"	"	"	
Pyrene	0.16	0.40	0.049	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	81.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	66.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.0			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS5_0.5-0.5 (1104970-02) Soil Sampled: 10/13/11 10:40 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.082	0.37	0.040	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.39	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.49	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	1.7	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	1.5	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	2.0	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	1.1	0.37	0.048	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS5_0.5-0.5 (1104970-02) Soil Sampled: 10/13/11 10:40 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	0.78	0.37	0.053	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	0.47	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	1.9	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.24	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.18	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.059	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	4.7	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	0.29	0.37	0.039	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	1.1	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	0.11	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	4.0	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	4.1	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	82.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS3_0.5-0.5 (1104970-03) Soil Sampled: 10/13/11 10:45 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J2001	10/20/11	10/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.063	0.36	0.040	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.26	0.36	0.042	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.45	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	1.6	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	1.4	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	1.9	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.65	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS3_0.5-0.5 (1104970-03) Soil Sampled: 10/13/11 10:45 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	0.78	0.36	0.053	mg/kg dry	1	B1J2001	10/20/11	10/21/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	0.31	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	1.7	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.19	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.10	0.36	0.036	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	B-01
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	3.7	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	0.22	0.36	0.038	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.75	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	0.073	0.36	0.036	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	2.6	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	3.4	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	97.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	89.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	84.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	84.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	81.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	93.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS7_0.5-0.5 (1104970-04) Soil Sampled: 10/13/11 10:50 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J2001	10/20/11	10/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.055	0.36	0.039	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.75	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.88	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	4.1	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	4.0	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	6.4	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	1.7	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS7_0.5-0.5 (1104970-04) Soil Sampled: 10/13/11 10:50 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	1.9	0.36	0.052	mg/kg dry	1	B1J2001	10/20/11	10/21/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	0.87	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	5.0	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.43	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.20	0.36	0.036	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.062	0.36	0.048	mg/kg dry	1	"	"	"	"	B-01, J
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	11	1.8	0.21	mg/kg dry	5	"	"	10/22/11	"	
Fluorene	0.36	0.36	0.038	mg/kg dry	1	"	"	10/21/11	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	2.1	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	0.078	0.36	0.036	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	9.0	0.36	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	11	1.8	0.22	mg/kg dry	5	"	"	10/22/11	"	
Surrogate: 2,4,6-Tribromophenol	104			53-107 %		"	"	10/21/11	"	
Surrogate: 2-Fluorobiphenyl	91.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	86.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	83.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	82.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	89.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS4_0.5-0.5 (1104970-05) Soil Sampled: 10/13/11 10:55 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	0.043	0.39	0.042	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.21	0.39	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.19	0.39	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.26	0.39	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.15	0.39	0.051	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
707FFF-SS4_0.5-0.5 (1104970-05) Soil Sampled: 10/13/11 10:55 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	0.096	0.39	0.056	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	J
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.23	0.39	0.052	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	B-01
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.44	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.16	0.39	0.047	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.28	0.39	0.042	mg/kg dry	1	"	"	"	"	J
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	0.43	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	97.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	84.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	79.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	79.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	95.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
171A-SS4_0.5-0.5 (1104970-06) Soil Sampled: 10/13/11 11:00 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	0.051	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.22	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.21	0.37	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.28	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.12	0.37	0.048	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SS4_0.5-0.5 (1104970-06) Soil Sampled: 10/13/11 11:00 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	0.13	0.37	0.054	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	J
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.25	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.51	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.13	0.37	0.045	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.30	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.46	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	90.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SS5_0.5-0.5 (1104970-07) Soil Sampled: 10/13/11 11:05 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.073	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.069	0.36	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.094	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SS5_0.5-0.5 (1104970-07) Soil Sampled: 10/13/11 11:05 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.083	0.36	0.048	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.17	0.36	0.042	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.045	0.36	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.090	0.36	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	0.15	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	91.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	80.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SS6_0.5-0.5 (1104970-08) Soil Sampled: 10/13/11 11:15 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.18	0.37	0.042	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.30	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	1.3	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	1.2	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	1.6	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.67	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SS6_0.5-0.5 (1104970-08) Soil Sampled: 10/13/11 11:15 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	0.61	0.37	0.053	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	0.25	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	1.5	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.19	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.067	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	2.9	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	0.15	0.37	0.039	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.76	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	1.9	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	2.7	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	93.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	84.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	80.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	78.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	87.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-SS2_0.5-0.5 (1104970-12) Soil Sampled: 10/13/11 13:15 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.22	0.37	0.040	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	1.8	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	8.0	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	15	3.7	0.46	mg/kg dry	10	"	"	10/22/11	"	
Benzo(a)pyrene	11	3.7	0.47	mg/kg dry	10	"	"	"	"	
Benzo(b)fluoranthene	13	3.7	0.48	mg/kg dry	10	"	"	"	"	
Benzo(g,h,i)perylene	3.8	0.37	0.048	mg/kg dry	1	"	"	10/20/11	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-SS2_0.5-0.5 (1104970-12) Soil Sampled: 10/13/11 13:15 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	5.6	0.37	0.054	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	1.5	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	13	3.7	0.49	mg/kg dry	10	"	"	10/22/11	"	
Dibenz(a,h)anthracene	1.3	0.37	0.048	mg/kg dry	1	"	"	10/20/11	"	
Dibenzofuran	0.84	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	29	3.7	0.44	mg/kg dry	10	"	"	10/22/11	"	
Fluorene	2.3	0.37	0.039	mg/kg dry	1	"	"	10/20/11	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	4.9	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	0.24	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	21	3.7	0.40	mg/kg dry	10	"	"	10/22/11	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	10/20/11	"	
Pyrene	27	3.7	0.46	mg/kg dry	10	"	"	10/22/11	"	
Surrogate: 2,4,6-Tribromophenol	95.8			53-107 %		"	"	10/20/11	"	
Surrogate: 2-Fluorobiphenyl	79.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	77.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-SS3_0.5-0.5 (1104970-13) Soil Sampled: 10/13/11 13:30 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.097	0.37	0.040	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	1.3	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	3.5	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	8.6	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	7.3	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	9.8	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	2.4	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-SS3_0.5-0.5 (1104970-13) Soil Sampled: 10/13/11 13:30 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	3.1	0.37	0.054	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	0.98	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	7.9	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.76	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.41	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	16	3.7	0.44	mg/kg dry	10	"	"	10/22/11	"	
Fluorene	1.2	0.37	0.039	mg/kg dry	1	"	"	10/20/11	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	3.0	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	0.077	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	9.8	3.7	0.40	mg/kg dry	10	"	"	10/22/11	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	10/20/11	"	
Pyrene	15	3.7	0.46	mg/kg dry	10	"	"	10/22/11	"	
Surrogate: 2,4,6-Tribromophenol	92.4			53-107 %		"	"	10/20/11	"	
Surrogate: 2-Fluorobiphenyl	79.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	78.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	76.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-SS4_0.5-0.5 (1104970-14) Soil Sampled: 10/13/11 13:45 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.12	0.38	0.041	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.71	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	1.4	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	2.3	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	1.7	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	2.1	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.68	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-SS4_0.5-0.5 (1104970-14) Soil Sampled: 10/13/11 13:45 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	0.86	0.38	0.055	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	0.76	0.38	0.040	mg/kg dry	1	"	"	"	"	T-1
Chrysene	2.1	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.23	0.38	0.049	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.39	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	5.3	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	0.76	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.85	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	0.15	0.38	0.038	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	6.0	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	4.5	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	105			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	86.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	86.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	84.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	95.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-SS5_0.5-0.5 (1104970-15) Soil Sampled: 10/13/11 13:50 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.043	0.37	0.040	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.32	0.37	0.043	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	0.62	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.90	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.63	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.82	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.25	0.37	0.048	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-SS5_0.5-0.5 (1104970-15) Soil Sampled: 10/13/11 13:50 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	0.35	0.37	0.054	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	J
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	0.34	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	0.89	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.094	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.17	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	2.1	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	0.35	0.37	0.039	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.31	0.37	0.045	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	2.3	0.37	0.040	mg/kg dry	1	"	"	"	"	M1
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	1.8	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	91.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-SS6_0.5-0.5 (1104970-16) Soil Sampled: 10/13/11 14:00 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.079	0.71	0.079	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.063	0.71	0.063	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.71	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.71	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.71	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.071	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.045	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.059	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
235A-SS6_0.5-0.5 (1104970-16) Soil Sampled: 10/13/11 14:00 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
Benzoic acid	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.060	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.11	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.077	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	0.11	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	108			53-107 %		"	"	"	"	S-02
Surrogate: 2-Fluorobiphenyl	91.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	85.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	83.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	83.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	104			51-99.6 %		"	"	"	"	S-02

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-SS5_0.5-0.5 (1104970-17) Soil Sampled: 10/13/11 14:45 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2001	10/20/11	10/22/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.050	0.35	0.039	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.30	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	1.5	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	3.1	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	2.4	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	3.1	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.87	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-SS5_0.5-0.5 (1104970-17) Soil Sampled: 10/13/11 14:45 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	1.2	0.35	0.052	mg/kg dry	1	B1J2001	10/20/11	10/22/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	0.84	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	2.8	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.29	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.23	0.35	0.035	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	6.5	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	0.48	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	1.1	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	0.063	0.35	0.035	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	5.5	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	5.5	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	96.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	82.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-SS1_0.5-0.5 (1104970-18) Soil Sampled: 10/13/11 15:00 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1J2001	10/20/11	10/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.062	0.37	0.042	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.18	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.43	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.36	0.37	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.45	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.24	0.37	0.048	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-SS1_0.5-0.5 (1104970-18) Soil Sampled: 10/13/11 15:00 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	0.17	0.37	0.053	mg/kg dry	1	B1J2001	10/20/11	10/21/11	EPA 8270C	J
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	0.10	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	0.38	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.77	0.37	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.22	0.37	0.044	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.66	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	0.73	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	83.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-SS2_0.5-0.5 (1104970-19) Soil Sampled: 10/13/11 15:15 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2001	10/20/11	10/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.079	0.71	0.079	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.063	0.71	0.063	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.71	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.71	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.71	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.050	0.35	0.040	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	0.14	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.60	0.35	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.52	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.66	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.30	0.35	0.045	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-SS2_0.5-0.5 (1104970-19) Soil Sampled: 10/13/11 15:15 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	0.26	0.35	0.051	mg/kg dry	1	B1J2001	10/20/11	10/21/11	EPA 8270C	J
Benzoic acid	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	0.079	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	0.56	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.081	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.86	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	0.048	0.35	0.037	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.33	0.35	0.042	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.52	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	0.86	0.35	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	86.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	85.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208D-SS1_0.5-0.5 (1104970-20) Soil Sampled: 10/13/11 15:30 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.079	0.71	0.079	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.063	0.71	0.063	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.71	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.71	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.71	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.053	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208D-SS1_0.5-0.5 (1104970-20) Soil Sampled: 10/13/11 15:30 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
Benzoic acid	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.082	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.042	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	0.077	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	94.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	93.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-SS4_0.5-0.5 (1104970-21) Soil Sampled: 10/13/11 14:30 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1J2001	10/20/11	10/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.085	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.068	0.37	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.098	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.054	0.37	0.048	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-SS4_0.5-0.5 (1104970-21) Soil Sampled: 10/13/11 14:30 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1J2001	10/20/11	10/21/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.089	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.14	0.37	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.051	0.37	0.045	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.081	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.15	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	89.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	70.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208D-SS2_0.5-0.5 (1104970-22) Soil Sampled: 10/13/11 15:45 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	2.3	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	0.13	0.37	0.044	mg/kg dry	1	"	"	"	"	J
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.14	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.14	0.37	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.20	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.13	0.37	0.048	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208D-SS2_0.5-0.5 (1104970-22) Soil Sampled: 10/13/11 15:45 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	0.067	0.37	0.054	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	J
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.14	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	1.9	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.21	0.37	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.13	0.37	0.045	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	0.22	0.37	0.029	mg/kg dry	1	"	"	"	"	J
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.094	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.21	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	104			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	88.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	83.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	82.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	84.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	101			51-99.6 %		"	"	"	"	S-02

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1704 - EPA 3050B

Blank (B1J1704-BLK1)

Prepared: 10/17/11 Analyzed: 10/18/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1704-BS1)

Prepared: 10/17/11 Analyzed: 10/18/11

Arsenic	41.2	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	43.2	1.0	0.060	mg/kg wet	39.9		108	80-120			
Cadmium	42.1	0.25	0.033	mg/kg wet	39.9		105	80-120			
Chromium	42.4	0.50	0.012	mg/kg wet	39.9		106	80-120			
Lead	42.4	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	41.3	1.0	0.095	mg/kg wet	39.9		104	80-120			
Silver	4.11	0.25	0.016	mg/kg wet	3.99		103	80-120			

LCS Dup (B1J1704-BSD1)

Prepared: 10/17/11 Analyzed: 10/18/11

Arsenic	41.2	0.50	0.055	mg/kg wet	39.9		103	80-120	0.0312	20	
Barium	43.1	1.0	0.060	mg/kg wet	39.9		108	80-120	0.197	20	
Cadmium	42.1	0.25	0.033	mg/kg wet	39.9		105	80-120	0.0326	20	
Chromium	42.5	0.50	0.012	mg/kg wet	39.9		106	80-120	0.0789	20	
Lead	42.4	1.0	0.14	mg/kg wet	39.9		106	80-120	0.0336	20	
Selenium	41.4	1.0	0.095	mg/kg wet	39.9		104	80-120	0.158	20	
Silver	4.15	0.25	0.016	mg/kg wet	3.99		104	80-120	1.12	20	

Matrix Spike (B1J1704-MS1)

Source: 1104916-01

Prepared: 10/17/11 Analyzed: 10/18/11

Arsenic	49.5	0.57	0.062	mg/kg dry	44.3	10.7	87.6	75-125			
Barium	241	1.1	0.068	mg/kg dry	44.3	175	150	75-125			M3
Cadmium	39.9	0.28	0.038	mg/kg dry	44.3	0.396	89.1	75-125			
Chromium	67.7	0.57	0.014	mg/kg dry	44.3	24.9	96.5	75-125			
Lead	56.1	1.1	0.16	mg/kg dry	44.3	19.7	81.9	75-125			
Selenium	36.4	1.1	0.11	mg/kg dry	44.3	<1.1	82.0	75-125			
Silver	3.80	0.28	0.018	mg/kg dry	4.43	<0.28	85.8	75-125			

Matrix Spike Dup (B1J1704-MSD1)

Source: 1104916-01

Prepared: 10/17/11 Analyzed: 10/18/11

Arsenic	49.0	0.57	0.062	mg/kg dry	44.1	10.7	86.8	75-125	1.19	20	
Barium	214	1.1	0.068	mg/kg dry	44.1	175	90.0	75-125	11.9	20	
Cadmium	40.4	0.28	0.038	mg/kg dry	44.1	0.396	90.9	75-125	1.31	20	
Chromium	67.2	0.57	0.014	mg/kg dry	44.1	24.9	95.9	75-125	0.710	20	
Lead	55.0	1.1	0.16	mg/kg dry	44.1	19.7	80.0	75-125	1.90	20	
Selenium	37.3	1.1	0.11	mg/kg dry	44.1	<1.1	84.7	75-125	2.65	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1704 - EPA 3050B											
Matrix Spike Dup (B1J1704-MSD1)			Source: 1104916-01			Prepared: 10/17/11 Analyzed: 10/18/11					
Silver	3.90	0.28	0.018	mg/kg dry	4.41	<0.28	88.4	75-125	2.43	20	
Batch B1J1907 - EPA 7471A											
Blank (B1J1907-BLK1)			Prepared & Analyzed: 10/19/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1907-BS1)			Prepared & Analyzed: 10/19/11								
Mercury	0.173	0.10	0.019	mg/kg wet	0.200		86.5	80-120			
LCS Dup (B1J1907-BSD1)			Prepared & Analyzed: 10/19/11								
Mercury	0.189	0.10	0.019	mg/kg wet	0.200		94.5	80-120	8.84	20	
Matrix Spike (B1J1907-MS1)			Source: 1104906-01			Prepared & Analyzed: 10/19/11					
Mercury	0.258	0.11	0.021	mg/kg dry	0.211	<0.11	91.0	75-125			
Matrix Spike Dup (B1J1907-MSD1)			Source: 1104906-01			Prepared & Analyzed: 10/19/11					
Mercury	0.263	0.11	0.021	mg/kg dry	0.210	<0.11	93.8	75-125	1.82	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1702 - EPA 3545 ASE Extraction

Blank (B1J1702-BLK1)

Prepared: 10/17/11 Analyzed: 10/18/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0557			mg/kg wet	0.0667		83.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0563			mg/kg wet	0.0667		84.5	60.9-138			

LCS (B1J1702-BS1)

Prepared: 10/17/11 Analyzed: 10/18/11

Aroclor 1260	0.316	0.20	0.0059	mg/kg wet	0.333		94.7	70-130			
Surrogate: Decachlorobiphenyl	0.0587			mg/kg wet	0.0667		88.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0590			mg/kg wet	0.0667		88.5	60.9-138			

Matrix Spike (B1J1702-MS1)

Source: 1104902-01

Prepared: 10/17/11 Analyzed: 10/18/11

Aroclor 1260	0.380	0.24	0.0070	mg/kg dry	0.398	<0.24	95.5	70-130			
Surrogate: Decachlorobiphenyl	0.0708			mg/kg dry	0.0795		89.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0728			mg/kg dry	0.0795		91.5	60.9-138			

Matrix Spike Dup (B1J1702-MSD1)

Source: 1104902-01

Prepared: 10/17/11 Analyzed: 10/18/11

Aroclor 1260	0.373	0.24	0.0070	mg/kg dry	0.399	<0.24	93.4	70-130	1.89	17.2	
Surrogate: Decachlorobiphenyl	0.0690			mg/kg dry	0.0798		86.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0646			mg/kg dry	0.0798		81.0	60.9-138			

Batch B1J1714 - EPA 3510C (Sep Funnel)

Blank (B1J1714-BLK1)

Prepared: 10/17/11 Analyzed: 10/18/11

Aroclor 1016	< 2.0	2.0	0.27	ug/L							
Aroclor 1221	< 2.0	2.0	0.51	ug/L							
Aroclor 1232	< 2.0	2.0	0.23	ug/L							
Aroclor 1242	< 2.0	2.0	0.19	ug/L							
Aroclor 1248	< 2.0	2.0	0.28	ug/L							
Aroclor 1254	< 2.0	2.0	0.43	ug/L							
Aroclor 1260	< 2.0	2.0	0.17	ug/L							
Surrogate: Decachlorobiphenyl	0.820			ug/L	1.00		82.0	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.755			ug/L	1.00		75.5	58.9-107			

LCS (B1J1714-BS1)

Prepared: 10/17/11 Analyzed: 10/18/11

Aroclor 1260	4.40	2.0	0.17	ug/L	5.00		88.0	70-130			
Surrogate: Decachlorobiphenyl	0.815			ug/L	1.00		81.5	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.765			ug/L	1.00		76.5	58.9-107			

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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J1714 - EPA 3510C (Sep Funnel)												
LCS Dup (B1J1714-BSD1)					Prepared: 10/17/11 Analyzed: 10/19/11							Q9, QM-10
Aroclor 1260	4.45	2.0	0.17	ug/L	5.00		89.0	70-130	1.13	20		
Surrogate: Decachlorobiphenyl	0.830			ug/L	1.00		83.0	65.6-114				
Surrogate: Tetrachloro-meta-xylene	0.815			ug/L	1.00		81.5	58.9-107				
Batch B1J2406 - EPA 3545 ASE Extraction												
Blank (B1J2406-BLK1)					Prepared: 10/24/11 Analyzed: 10/25/11							
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet								
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet								
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet								
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet								
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet								
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet								
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet								
Surrogate: Decachlorobiphenyl	0.0553			mg/kg wet	0.0667		83.0	65.3-143				
Surrogate: Tetrachloro-meta-xylene	0.0560			mg/kg wet	0.0667		84.0	60.9-138				
LCS (B1J2406-BS1)					Prepared: 10/24/11 Analyzed: 10/25/11							
Aroclor 1260	0.318	0.20	0.0059	mg/kg wet	0.333		95.3	70-130				
Surrogate: Decachlorobiphenyl	0.0577			mg/kg wet	0.0667		86.5	65.3-143				
Surrogate: Tetrachloro-meta-xylene	0.0570			mg/kg wet	0.0667		85.5	60.9-138				
Matrix Spike (B1J2406-MS1)					Source: 1105003-02 Prepared: 10/24/11 Analyzed: 10/25/11							
Aroclor 1260	0.672	0.21	0.0062	mg/kg dry	0.358	0.324	97.2	70-130				
Surrogate: Decachlorobiphenyl	0.0655			mg/kg dry	0.0716		91.5	65.3-143				
Surrogate: Tetrachloro-meta-xylene	0.0687			mg/kg dry	0.0716		96.0	60.9-138				
Matrix Spike Dup (B1J2406-MSD1)					Source: 1105003-02 Prepared: 10/24/11 Analyzed: 10/25/11							
Aroclor 1260	0.397	0.21	0.0062	mg/kg dry	0.351	0.324	20.9	70-130	51.3	17.2	M2, QR-04	
Surrogate: Decachlorobiphenyl	0.0386			mg/kg dry	0.0703		55.0	65.3-143			S-02	
Surrogate: Tetrachloro-meta-xylene	0.0379			mg/kg dry	0.0703		54.0	60.9-138			S-02	

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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J2005 - General Preparation												
Duplicate (B1J2005-DUP1)							Source: 1104959-10					Prepared & Analyzed: 10/20/11
% Solids	67.0			%		79.0			16.4	20		
Duplicate (B1J2005-DUP2)							Source: 1104970-08					Prepared & Analyzed: 10/20/11
% Solids	90.0			%		90.0			0.00	20		
Duplicate (B1J2005-DUP3)							Source: 1104970-18					Prepared & Analyzed: 10/20/11
% Solids	91.0			%		90.0			1.10	20		
Duplicate (B1J2005-DUP4)							Source: 1104970-23					Prepared & Analyzed: 10/20/11
% Solids	92.0			%		92.0			0.00	20		

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Blank (B1J1903-BLK1)

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Blank (B1J1903-BLK1)

Prepared & Analyzed: 10/19/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.61			mg/kg wet	6.67		69.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.53			mg/kg wet	6.67		68.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.26			mg/kg wet	6.67		63.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.28			mg/kg wet	6.67		64.1	48.9-100			
Surrogate: Phenol-d6	4.12			mg/kg wet	6.67		61.9	50.4-99.6			
Surrogate: Terphenyl-d14	6.03			mg/kg wet	6.67		90.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

LCS (B1J1903-BS1)

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.11	0.33	0.031	mg/kg wet	6.67		61.6	59.1-87.7			
1,4-Dichlorobenzene	4.01	0.33	0.029	mg/kg wet	6.67		60.1	50.3-72.9			
2,4-Dinitrotoluene	4.72	0.33	0.035	mg/kg wet	6.67		70.8	59.8-82.2			
2-Chlorophenol	4.41	0.67	0.060	mg/kg wet	6.67		66.2	59.7-77.3			
4-Chloro-3-methylphenol	4.47	0.67	0.066	mg/kg wet	6.67		67.0	63.6-80.4			
4-Nitrophenol	4.27	0.67	0.093	mg/kg wet	6.67		64.1	57.3-84.9			
Anthracene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.3-88			
Benzo(a)anthracene	5.48	0.33	0.041	mg/kg wet	6.67		82.3	66.5-90.5			
Benzo(a)pyrene	5.68	0.33	0.042	mg/kg wet	6.67		85.2	66.1-89.7			
Chrysene	5.31	0.33	0.044	mg/kg wet	6.67		79.7	65.5-90.5			
Fluoranthene	5.56	0.33	0.039	mg/kg wet	6.67		83.5	66.7-89.9			
Fluorene	5.20	0.33	0.035	mg/kg wet	6.67		78.0	66.2-85.6			
N-Nitrosodi-n-propylamine	4.22	0.33	0.033	mg/kg wet	6.67		63.3	59.4-78			
Pentachlorophenol	3.34	0.67	0.078	mg/kg wet	6.67		50.1	46.7-83.2			
Phenanthrene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.5-87.9			
Phenol	4.26	0.67	0.069	mg/kg wet	6.67		63.9	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.49			mg/kg wet	6.67		67.4	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.52			mg/kg wet	6.67		67.8	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	3.99			mg/kg wet	6.67		59.9	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.22			mg/kg wet	6.67		63.3	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.36			mg/kg wet	6.67		65.4	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.79			mg/kg wet	6.67		71.9	51-99.6			

Matrix Spike (B1J1903-MS1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.49	0.33	0.031	mg/kg dry	6.82	<0.33	65.8	44.8-97.9			
1,4-Dichlorobenzene	3.99	0.33	0.029	mg/kg dry	6.82	<0.33	58.6	42.3-77.9			
2,4-Dinitrotoluene	5.30	0.33	0.035	mg/kg dry	6.82	<0.33	77.7	57.3-86.6			
2-Chlorophenol	4.25	0.68	0.061	mg/kg dry	6.82	<0.68	62.3	43.3-93.2			
4-Chloro-3-methylphenol	5.11	0.68	0.067	mg/kg dry	6.82	<0.68	74.9	47.1-97.6			
4-Nitrophenol	5.32	0.68	0.094	mg/kg dry	6.82	<0.68	77.9	49.3-96.2			
Anthracene	5.44	0.33	0.036	mg/kg dry	6.82	<0.33	79.7	67.5-93.1			
Benzo(a)anthracene	5.69	0.33	0.041	mg/kg dry	6.82	<0.33	83.4	59.8-95.7			
Benzo(a)pyrene	5.26	0.33	0.042	mg/kg dry	6.82	<0.33	77.1	59.8-92.7			
Chrysene	5.80	0.33	0.044	mg/kg dry	6.82	<0.33	85.0	62.5-94.6			
Fluoranthene	5.27	0.33	0.039	mg/kg dry	6.82	<0.33	77.2	61.3-92.8			
Fluorene	5.13	0.33	0.035	mg/kg dry	6.82	<0.33	75.2	62.8-92.6			
N-Nitrosodi-n-propylamine	4.58	0.33	0.033	mg/kg dry	6.82	<0.33	67.1	46.9-89.9			
Pentachlorophenol	4.07	0.68	0.079	mg/kg dry	6.82	<0.68	59.6	40.1-95.1			
Phenanthrene	5.40	0.33	0.036	mg/kg dry	6.82	<0.33	79.2	65.2-92.2			
Phenol	4.36	0.68	0.070	mg/kg dry	6.82	<0.68	64.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Matrix Spike (B1J1903-MS1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

Surrogate: 2,4,6-Tribromophenol	5.70			mg/kg dry	6.82		83.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.43			mg/kg dry	6.82		64.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.17			mg/kg dry	6.82		61.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.37			mg/kg dry	6.82		64.1	48.9-100			
Surrogate: Phenol-d6	4.59			mg/kg dry	6.82		67.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.91			mg/kg dry	6.82		72.1	51-99.6			

Matrix Spike Dup (B1J1903-MSD1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.02	0.33	0.031	mg/kg dry	6.74	<0.33	59.7	44.8-97.9	11.0	19.6	
1,4-Dichlorobenzene	3.53	0.33	0.029	mg/kg dry	6.74	<0.33	52.3	42.3-77.9	12.4	22.4	
2,4-Dinitrotoluene	5.11	0.33	0.035	mg/kg dry	6.74	<0.33	75.8	57.3-86.6	3.64	19.5	
2-Chlorophenol	3.82	0.68	0.061	mg/kg dry	6.74	<0.68	56.7	43.3-93.2	10.7	23.7	
4-Chloro-3-methylphenol	4.86	0.68	0.067	mg/kg dry	6.74	<0.68	72.1	47.1-97.6	5.03	18.3	
4-Nitrophenol	5.21	0.68	0.094	mg/kg dry	6.74	<0.68	77.3	49.3-96.2	1.99	20.4	
Anthracene	5.28	0.33	0.036	mg/kg dry	6.74	<0.33	78.4	67.5-93.1	2.91	19.9	
Benzo(a)anthracene	5.57	0.33	0.041	mg/kg dry	6.74	<0.33	82.7	59.8-95.7	2.08	23.4	
Benzo(a)pyrene	5.16	0.33	0.042	mg/kg dry	6.74	<0.33	76.6	59.8-92.7	1.88	21.1	
Chrysene	5.69	0.33	0.044	mg/kg dry	6.74	<0.33	84.5	62.5-94.6	1.81	24.8	
Fluoranthene	5.15	0.33	0.039	mg/kg dry	6.74	<0.33	76.5	61.3-92.8	2.21	21.8	
Fluorene	4.90	0.33	0.035	mg/kg dry	6.74	<0.33	72.7	62.8-92.6	4.58	17.6	
N-Nitrosodi-n-propylamine	4.17	0.33	0.033	mg/kg dry	6.74	<0.33	61.9	46.9-89.9	9.23	18.9	
Pentachlorophenol	4.00	0.68	0.079	mg/kg dry	6.74	<0.68	59.4	40.1-95.1	1.54	19.7	
Phenanthrene	5.22	0.33	0.036	mg/kg dry	6.74	<0.33	77.5	65.2-92.2	3.40	20.5	
Phenol	3.97	0.68	0.070	mg/kg dry	6.74	<0.68	59.0	44.7-91	9.39	17.9	
Surrogate: 2,4,6-Tribromophenol	5.50			mg/kg dry	6.74		81.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.13			mg/kg dry	6.74		61.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.68			mg/kg dry	6.74		54.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg dry	6.74		58.3	48.9-100			
Surrogate: Phenol-d6	4.18			mg/kg dry	6.74		62.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.81			mg/kg dry	6.74		71.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2001 - EPA 3545 ASE Extraction

Blank (B1J2001-BLK1)

Prepared & Analyzed: 10/20/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2001 - EPA 3545 ASE Extraction

Blank (B1J2001-BLK1)

Prepared & Analyzed: 10/20/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	0.0506	0.33	0.044	mg/kg wet							B-02, J
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.79			mg/kg wet	6.67		71.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.68			mg/kg wet	6.67		70.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.25			mg/kg wet	6.67		63.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.50			mg/kg wet	6.67		67.4	48.9-100			
Surrogate: Phenol-d6	4.31			mg/kg wet	6.67		64.6	50.4-99.6			
Surrogate: Terphenyl-d14	6.29			mg/kg wet	6.67		94.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2001 - EPA 3545 ASE Extraction

LCS (B1J2001-BS1)

Prepared & Analyzed: 10/20/11

1,2,4-Trichlorobenzene	4.41	0.33	0.031	mg/kg wet	6.67		66.1	59.1-87.7			
1,4-Dichlorobenzene	3.88	0.33	0.029	mg/kg wet	6.67		58.2	50.3-72.9			
2,4-Dinitrotoluene	5.12	0.33	0.035	mg/kg wet	6.67		76.8	59.8-82.2			
2-Chlorophenol	4.19	0.67	0.060	mg/kg wet	6.67		62.9	59.7-77.3			
4-Chloro-3-methylphenol	4.91	0.67	0.066	mg/kg wet	6.67		73.6	63.6-80.4			
4-Nitrophenol	5.55	0.67	0.093	mg/kg wet	6.67		83.2	57.3-84.9			
Anthracene	5.27	0.33	0.036	mg/kg wet	6.67		79.1	67.3-88			
Benzo(a)anthracene	5.57	0.33	0.041	mg/kg wet	6.67		83.6	66.5-90.5			
Benzo(a)pyrene	5.08	0.33	0.042	mg/kg wet	6.67		76.2	66.1-89.7			
Chrysene	5.69	0.33	0.044	mg/kg wet	6.67		85.3	65.5-90.5			
Fluoranthene	5.11	0.33	0.039	mg/kg wet	6.67		76.7	66.7-89.9			
Fluorene	5.03	0.33	0.035	mg/kg wet	6.67		75.4	66.2-85.6			
N-Nitrosodi-n-propylamine	4.49	0.33	0.033	mg/kg wet	6.67		67.3	59.4-78			
Pentachlorophenol	4.28	0.67	0.078	mg/kg wet	6.67		64.2	46.7-83.2			
Phenanthrene	5.23	0.33	0.036	mg/kg wet	6.67		78.5	67.5-87.9			
Phenol	4.20	0.67	0.069	mg/kg wet	6.67		63.1	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	5.60			mg/kg wet	6.67		84.0	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.27			mg/kg wet	6.67		64.0	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.10			mg/kg wet	6.67		61.5	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.30			mg/kg wet	6.67		64.6	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.67			mg/kg wet	6.67		70.1	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.91			mg/kg wet	6.67		73.7	51-99.6			

Matrix Spike (B1J2001-MS1)

Source: 1104970-15

Prepared & Analyzed: 10/20/11

1,2,4-Trichlorobenzene	5.19	0.37	0.035	mg/kg dry	7.58	<0.37	68.5	44.8-97.9			
1,4-Dichlorobenzene	4.74	0.37	0.033	mg/kg dry	7.58	<0.37	62.6	42.3-77.9			
2,4-Dinitrotoluene	5.50	0.37	0.039	mg/kg dry	7.58	<0.37	72.6	57.3-86.6			
2-Chlorophenol	5.59	0.75	0.067	mg/kg dry	7.58	<0.75	73.8	43.3-93.2			
4-Chloro-3-methylphenol	6.00	0.75	0.074	mg/kg dry	7.58	<0.75	79.2	47.1-97.6			
4-Nitrophenol	5.48	0.75	0.10	mg/kg dry	7.58	<0.75	72.3	49.3-96.2			
Anthracene	6.84	0.37	0.040	mg/kg dry	7.58	0.621	82.0	67.5-93.1			
Benzo(a)anthracene	6.61	0.37	0.046	mg/kg dry	7.58	0.898	75.4	59.8-95.7			
Benzo(a)pyrene	6.65	0.37	0.047	mg/kg dry	7.58	0.630	79.5	59.8-92.7			
Chrysene	6.32	0.37	0.049	mg/kg dry	7.58	0.890	71.6	62.5-94.6			
Fluoranthene	7.80	0.37	0.044	mg/kg dry	7.58	2.11	75.2	61.3-92.8			
Fluorene	6.24	0.37	0.039	mg/kg dry	7.58	<0.37	77.6	62.8-92.6			
N-Nitrosodi-n-propylamine	5.24	0.37	0.037	mg/kg dry	7.58	<0.37	69.2	46.9-89.9			
Pentachlorophenol	5.53	0.75	0.088	mg/kg dry	7.58	<0.75	73.0	40.1-95.1			
Phenanthrene	8.29	0.37	0.040	mg/kg dry	7.58	2.34	78.5	65.2-92.2			
Phenol	5.29	0.75	0.078	mg/kg dry	7.58	<0.75	69.8	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2001 - EPA 3545 ASE Extraction

Matrix Spike (B1J2001-MS1)

Source: 1104970-15

Prepared & Analyzed: 10/20/11

Surrogate: 2,4,6-Tribromophenol	6.28			mg/kg dry	7.58		82.9	53-107			
Surrogate: 2-Fluorobiphenyl	5.70			mg/kg dry	7.58		75.2	53.9-97.9			
Surrogate: 2-Fluorophenol	5.17			mg/kg dry	7.58		68.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.31			mg/kg dry	7.58		70.0	48.9-100			
Surrogate: Phenol-d6	5.64			mg/kg dry	7.58		74.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.37			mg/kg dry	7.58		70.8	51-99.6			

Matrix Spike Dup (B1J2001-MSD1)

Source: 1104970-15

Prepared & Analyzed: 10/20/11

1,2,4-Trichlorobenzene	5.30	0.37	0.035	mg/kg dry	7.54	<0.37	70.3	44.8-97.9	2.07	19.6	
1,4-Dichlorobenzene	4.87	0.37	0.033	mg/kg dry	7.54	<0.37	64.6	42.3-77.9	2.61	22.4	
2,4-Dinitrotoluene	5.83	0.37	0.039	mg/kg dry	7.54	<0.37	77.4	57.3-86.6	5.91	19.5	
2-Chlorophenol	5.80	0.75	0.067	mg/kg dry	7.54	<0.75	76.9	43.3-93.2	3.58	23.7	
4-Chloro-3-methylphenol	6.42	0.75	0.074	mg/kg dry	7.54	<0.75	85.1	47.1-97.6	6.67	18.3	
4-Nitrophenol	5.89	0.75	0.10	mg/kg dry	7.54	<0.75	78.2	49.3-96.2	7.38	20.4	
Anthracene	7.37	0.37	0.040	mg/kg dry	7.54	0.621	89.5	67.5-93.1	7.47	19.9	
Benzo(a)anthracene	7.20	0.37	0.046	mg/kg dry	7.54	0.898	83.6	59.8-95.7	8.51	23.4	
Benzo(a)pyrene	7.27	0.37	0.047	mg/kg dry	7.54	0.630	88.1	59.8-92.7	8.89	21.1	
Chrysene	6.95	0.37	0.049	mg/kg dry	7.54	0.890	80.5	62.5-94.6	9.64	24.8	
Fluoranthene	8.84	0.37	0.044	mg/kg dry	7.54	2.11	89.3	61.3-92.8	12.5	21.8	
Fluorene	6.59	0.37	0.039	mg/kg dry	7.54	<0.37	82.8	62.8-92.6	5.57	17.6	
N-Nitrosodi-n-propylamine	5.45	0.37	0.037	mg/kg dry	7.54	<0.37	72.4	46.9-89.9	3.98	18.9	
Pentachlorophenol	5.68	0.75	0.088	mg/kg dry	7.54	<0.75	75.4	40.1-95.1	2.73	19.7	
Phenanthrene	9.44	0.37	0.040	mg/kg dry	7.54	2.34	94.2	65.2-92.2	12.9	20.5	M1
Phenol	5.44	0.75	0.078	mg/kg dry	7.54	<0.75	72.2	44.7-91	2.91	17.9	
Surrogate: 2,4,6-Tribromophenol	6.72			mg/kg dry	7.54		89.2	53-107			
Surrogate: 2-Fluorobiphenyl	6.00			mg/kg dry	7.54		79.6	53.9-97.9			
Surrogate: 2-Fluorophenol	5.42			mg/kg dry	7.54		72.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.45			mg/kg dry	7.54		72.4	48.9-100			
Surrogate: Phenol-d6	5.94			mg/kg dry	7.54		78.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.61			mg/kg dry	7.54		74.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1104970 Date Reported: 10/26/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
S-02	Surrogate recovery outside of laboratory acceptance limits.
QR-04	The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-10	LCS/LCSD were analyzed in place of MS/MSD.
Q9	Insufficient sample received to meet method QC requirements.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
B-02	Target analyte was present in the method blank between the MDL and RL.
B-01	Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
BARR 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1104970

Project Number: **231A-10A2 48RE 820**
 Project Name: **Ummc East RE - ABC Line**
 Sample Origination State: **MN** (use two letter postal state abbreviation)
 COC Number: **No 37383**

Number of Containers/Preservative		COC 2 of 2
Water	Soil	
VOCs (HCl) #1	VOCs (mixed MeOH) #1	Total Number of Containers
SVOCs (unpreserved) #2	GRX, BTEX (large MeOH) #1	
Dissolved Metals (HNO ₃)	DRO (large unpreserved)	
Total Metals (HNO ₃)	Metals (unpreserved)	
General (unpreserved) #3	SVOCs (unpreserved) #2	
Diesel Range Organics (HCl)	% Solids (plastic vial, unpres.)	
Nutrients (H ₂ SO ₄) #4	PEBS	

Project Manager: **JME**
 Project QC Contact: **AAH**
 Sampled by: **ANN YAKB**
 Laboratory: **Legend**

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	VOCs (HCl) #1	SVOCS (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (mixed MeOH) #1	GRX, BTEX (large MeOH) #1	DRO (large unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	PEBS	Total Number of Containers	Analysis
						Water	Soil																	
11 1. 717A-SS3	0.5	0.5	FT	10/13/2011	12:45	X	X	X													X	3	3	Analyse for PCBs MS/MSD
12 2. 235A-SS2	0.1				13:15	X	X														X	XX	2	Analyse for PCBs, SVOCs
13 3. 235A-SS3					13:30	X	X														X	XX	1	Analyse for SVOCs
14 4. 235A-SS4					13:45	X	X														X	XX	1	↓
15 5. 235A-SS5					13:50	X	X	X													X	XX	6	Analyse for PCBs, SVOCs MS/MSD
16 6. 235A-SS6					14:00	X	X														X	XX	1	Analyse SVOCs MS/MSD
17 7. 251A-SS5					14:45	X	X														X	XX	1	
18 8. 251A-SS1					15:00	X	X														X	XX	1	
19 9. 251A-SS2					15:15	X	X														X	XX	1	
20 10. 208D-SS1	↓	↓	↓	↓	15:30	X	X														X	XX	1	↓

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRX, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: *[Signature]* On Ice? N Date: **10/11/11** Time: Received by: Date: Time:
 Relinquished By: On Ice? Y N Date: Time: Received by: *Kelley Roebler* Date: **10/14/11** Time: **12:30**
 Samples Shipped VIA: Air Freight Federal Express Sampler Air Bill Number:
 Other: Distribution: White-Original Accompanies Shipments to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Legend Technical Services, Inc.
 The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
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REPRODUCED FROM CHAIN OF CUSTODY FORM 2009 PLS Rev. 09/01/09

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1104970

Project Number: 23/19-1092 48RE 820
 Project Name: Unroc East Rd-ABC Lane
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: No 37384

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix				Type				Number of Containers/Preservative		Total Number of Containers		
						Water	Soil	Grab	Comp.	OC	Water	Soil	Water	Soil				
21. 251A-SS4	0.5	0.5	FT	10/13/2011	14:30	X	X											
22. 209D-SS2	↓	↓	↓	↓	15:45	X	X											
23. M-2	-	-	-	↓	-	X	X	X										
24. FB-2	-	-	-	↓	-	X						X						
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

COC 3 of 3
 Project Manager: JME
 Project QC Contact: AAN
 Sampled by: ADW/AKB
 Laboratory: Legend

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
pk/cua 2.7c

Relinquished By: [Signature] On Icc? (Y) N Date: 10/14/11 Time: Received by: Kelley Reber Date: 10/14/11 Time: 12:30
 Samples Shipped VIA: Air Freight Federal Express Sampler Other: Air Bill Number:

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Legend Technical Services, Inc.
 The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

November 07, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1104973
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 10/14/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of the original report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink that reads "TRIE T L".

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GC-SS5_0.5-0.5	1104973-01	Soil	10/13/11 08:00	10/14/11 12:30
GC-SS6_0.5-0.5	1104973-02	Soil	10/13/11 08:45	10/14/11 12:30
GC-SS12_0.5-0.5	1104973-03	Soil	10/13/11 09:20	10/14/11 12:30
GC-SS13_0.5-0.5	1104973-04	Soil	10/13/11 09:35	10/14/11 12:30
GC-SS14_0.5-0.5	1104973-05	Soil	10/13/11 10:00	10/14/11 12:30
M-1	1104973-06	Soil	10/13/11 00:00	10/14/11 12:30
FB-1	1104973-07	Water	10/13/11 00:00	10/14/11 12:30
Trip Blank	1104973-08	Methanol	10/13/11 00:00	10/14/11 12:30

Shipping Container Information

Default Cooler Temperature (°C): 2.6

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Acetone, chloroform, and tetrahydrofuran were detected in the 8260 batch B1J1820 BLK1 between the MDL and RL.

An LCS/LCSD/MS was prepared and analyzed for the 8270 SVOC water batch B1J1806 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

This report was revised on November 7, 2011 to remove batch B1J1720 QC data. This report supercedes the report dated October 25, 2011.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS5_0.5-0.5 (1104973-01) Soil Sampled: 10/13/11 08:00 Received: 10/14/11 12:30										
Arsenic	4.1	0.59	0.065	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Barium	41	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	10	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	13	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1J1908	10/19/11	10/21/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
GC-SS6_0.5-0.5 (1104973-02) Soil Sampled: 10/13/11 08:45 Received: 10/14/11 12:30										
Arsenic	4.7	0.56	0.062	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Barium	42	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	0.45	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	13	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	14	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.099	0.099	0.019	mg/kg dry	1	B1J1908	10/19/11	10/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
GC-SS12_0.5-0.5 (1104973-03) Soil Sampled: 10/13/11 09:20 Received: 10/14/11 12:30										
Arsenic	3.1	0.53	0.059	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Barium	28	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	7.7	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	6.3	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1908	10/19/11	10/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
GC-SS13_0.5-0.5 (1104973-04) Soil Sampled: 10/13/11 09:35 Received: 10/14/11 12:30										
Arsenic	4.5	0.57	0.063	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Barium	39	1.1	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	8.6	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	19	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1J1908	10/19/11	10/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
GC-SS14_0.5-0.5 (1104973-05) Soil Sampled: 10/13/11 10:00 Received: 10/14/11 12:30										

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS14_0.5-0.5 (1104973-05) Soil Sampled: 10/13/11 10:00 Received: 10/14/11 12:30										
Arsenic	3.4	0.55	0.061	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Barium	37	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.036	mg/kg dry	1	"	"	"	"	
Chromium	9.0	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1908	10/19/11	10/21/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
M-1 (1104973-06) Soil Sampled: 10/13/11 00:00 Received: 10/14/11 12:30										
Arsenic	4.4	0.58	0.064	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Barium	39	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	8.7	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	20	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1J1908	10/19/11	10/21/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
FB-1 (1104973-07) Water Sampled: 10/13/11 00:00 Received: 10/14/11 12:30										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1J1803	10/18/11	10/18/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1J2006	10/20/11	10/20/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1J1803	10/18/11	10/18/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS5_0.5-0.5 (1104973-01) Soil Sampled: 10/13/11 08:00 Received: 10/14/11 12:30										
% Solids	85			%	1	B1J2109	10/21/11	10/21/11	% calculation	
GC-SS6_0.5-0.5 (1104973-02) Soil Sampled: 10/13/11 08:45 Received: 10/14/11 12:30										
% Solids	89			%	1	B1J2109	10/21/11	10/21/11	% calculation	
GC-SS12_0.5-0.5 (1104973-03) Soil Sampled: 10/13/11 09:20 Received: 10/14/11 12:30										
% Solids	94			%	1	B1J2109	10/21/11	10/21/11	% calculation	
GC-SS13_0.5-0.5 (1104973-04) Soil Sampled: 10/13/11 09:35 Received: 10/14/11 12:30										
% Solids	87			%	1	B1J2109	10/21/11	10/21/11	% calculation	
GC-SS14_0.5-0.5 (1104973-05) Soil Sampled: 10/13/11 10:00 Received: 10/14/11 12:30										
% Solids	85			%	1	B1J2109	10/21/11	10/21/11	% calculation	
M-1 (1104973-06) Soil Sampled: 10/13/11 00:00 Received: 10/14/11 12:30										
% Solids	86			%	1	B1J2109	10/21/11	10/21/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS5_0.5-0.5 (1104973-01) Soil Sampled: 10/13/11 08:00 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1J2102	10/21/11	10/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.15	0.39	0.042	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	0.043	0.39	0.042	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.075	0.39	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS5_0.5-0.5 (1104973-01) Soil Sampled: 10/13/11 08:00 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	<0.056	0.39	0.056	mg/kg dry	1	B1J2102	10/21/11	10/21/11	EPA 8270C	
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.059	0.39	0.052	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.078	0.39	0.039	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.063	0.39	0.046	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	0.047	0.39	0.039	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.19	0.39	0.042	mg/kg dry	1	"	"	"	"	J
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	0.084	0.39	0.048	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	86.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	82.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS6_0.5-0.5 (1104973-02) Soil Sampled: 10/13/11 08:45 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1J2102	10/21/11	10/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.41	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	0.14	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.20	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.094	0.37	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.11	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS6_0.5-0.5 (1104973-02) Soil Sampled: 10/13/11 08:45 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1J2102	10/21/11	10/21/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.14	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.22	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.15	0.37	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	0.096	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.55	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.21	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	82.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	76.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS12_0.5-0.5 (1104973-03) Soil Sampled: 10/13/11 09:20 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2102	10/21/11	10/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.051	0.35	0.038	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	0.040	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.13	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.086	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.11	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS12_0.5-0.5 (1104973-03) Soil Sampled: 10/13/11 09:20 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J2102	10/21/11	10/21/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.10	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.17	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.046	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.15	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	0.18	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	91.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	90.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS13_0.5-0.5 (1104973-04) Soil Sampled: 10/13/11 09:35 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1J2102	10/21/11	10/22/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.68	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.36	0.38	0.044	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	0.81	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	2.2	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	1.7	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	2.3	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.36	0.38	0.049	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS13_0.5-0.5 (1104973-04) Soil Sampled: 10/13/11 09:35 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	0.94	0.38	0.055	mg/kg dry	1	B1J2102	10/21/11	10/22/11	EPA 8270C	
Benzoic acid	0.44	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	0.43	0.38	0.040	mg/kg dry	1	"	"	"	"	T-1
Chrysene	2.2	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.13	0.38	0.049	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.57	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	5.6	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	0.35	0.38	0.040	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.51	0.38	0.046	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	0.20	0.38	0.038	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	5.7	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	4.6	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS14_0.5-0.5 (1104973-05) Soil Sampled: 10/13/11 10:00 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	B1J2102	10/21/11	10/22/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.79	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.088	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.094	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.79	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.24	0.39	0.042	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.79	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.79	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.79	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.078	0.79	0.078	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.79	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	0.18	0.39	0.042	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.35	0.39	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.25	0.39	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.31	0.39	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.12	0.39	0.051	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS14_0.5-0.5 (1104973-05) Soil Sampled: 10/13/11 10:00 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	0.11	0.39	0.056	mg/kg dry	1	B1J2102	10/21/11	10/22/11	EPA 8270C	J
Benzoic acid	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	0.34	0.39	0.052	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.13	0.39	0.039	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.39	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.62	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.13	0.39	0.047	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	0.072	0.39	0.039	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.092	0.79	0.092	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.65	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.081	0.79	0.081	mg/kg dry	1	"	"	"	"	
Pyrene	0.56	0.39	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1104973-06) Soil Sampled: 10/13/11 00:00 Received: 10/14/11 12:30										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1J2102	10/21/11	10/22/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.56	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.11	0.38	0.044	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	0.39	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.70	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.46	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.61	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.17	0.38	0.050	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1104973-06) Soil Sampled: 10/13/11 00:00 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	0.22	0.38	0.056	mg/kg dry	1	B1J2102	10/21/11	10/22/11	EPA 8270C	J
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	0.098	0.38	0.041	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	0.57	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.053	0.38	0.050	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.36	0.38	0.038	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	1.0	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	0.10	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.17	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	0.15	0.38	0.038	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	1.5	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	0.98	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	94.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	82.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-1 (1104973-07) Water **Sampled: 10/13/11 00:00** **Received: 10/14/11 12:30**

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1J1806	10/18/11	10/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1104973-07) Water Sampled: 10/13/11 00:00 Received: 10/14/11 12:30										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1J1806	10/18/11	10/19/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	T-1
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.6			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.3			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.6			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.9			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	60.2			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.7			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS5_0.5-0.5 (1104973-01) Soil Sampled: 10/13/11 08:00 Received: 10/14/11 12:30										
1,1,1,2-Tetrachloroethane	<0.084	0.36	0.084	mg/kg dry	1	B1J1820	10/17/11	10/17/11	EPA 8260B	
1,1,1-Trichloroethane	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.049	0.36	0.049	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.097	0.36	0.097	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.087	0.72	0.087	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.039	0.72	0.039	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	0.080	0.36	0.026	mg/kg dry	1	"	"	"	"	J
1,2-Dibromo-3-chloropropane	<0.099	0.72	0.099	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.031	0.36	0.031	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	J
1,3-Dichlorobenzene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.031	0.36	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.13	2.9	0.13	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.020	0.36	0.020	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
Acetone	0.69	2.9	0.27	mg/kg dry	1	"	"	"	"	B-01, J
Allyl chloride	<0.083	0.72	0.083	mg/kg dry	1	"	"	"	"	
Benzene	<0.021	0.36	0.021	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Bromoform	<0.039	0.72	0.039	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.16	0.72	0.16	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.049	0.36	0.049	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.027	0.36	0.027	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Chloroform	0.041	0.36	0.030	mg/kg dry	1	"	"	"	"	B-01, J
Chloromethane	<0.087	0.36	0.087	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS5_0.5-0.5 (1104973-01) Soil Sampled: 10/13/11 08:00 Received: 10/14/11 12:30										
cis-1,3-Dichloropropene	<0.031	0.36	0.031	mg/kg dry	1	B1J1820	10/17/11	10/17/11	EPA 8260B	
Dibromochloromethane	<0.049	0.36	0.049	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.14	0.72	0.14	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.054	0.36	0.054	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.054	0.72	0.054	mg/kg dry	1	"	"	"	"	
Ethylbenzene	0.016	0.36	0.016	mg/kg dry	1	"	"	"	"	J
Hexachlorobutadiene	<0.099	1.4	0.099	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.027	0.36	0.027	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.067	0.72	0.067	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.12	0.72	0.12	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.023	0.36	0.023	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.083	1.4	0.083	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.079	0.72	0.079	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
o-Xylene	0.043	0.36	0.036	mg/kg dry	1	"	"	"	"	J
p-Isopropyltoluene	<0.020	0.36	0.020	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
Styrene	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	0.31	2.9	0.17	mg/kg dry	1	"	"	"	"	B-01, T-1, J
Toluene	0.032	0.36	0.023	mg/kg dry	1	"	"	"	"	J
trans-1,2-Dichloroethene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.059	0.36	0.059	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.050	0.36	0.050	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.093	0.36	0.093	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	96.6			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	96.3			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	96.1			78.1-125 %		"	"	"	"	

Trip Blank (1104973-08) Methanol Sampled: 10/13/11 00:00 Received: 10/14/11 12:30										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1J1820	10/17/11	10/17/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1104973-08) Methanol Sampled: 10/13/11 00:00 Received: 10/14/11 12:30										
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	B1J1820	10/17/11	10/17/11	EPA 8260B	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	0.35	2.0	0.19	mg/kg wet	1	"	"	"	"	J, B-01
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	0.030	0.25	0.021	mg/kg wet	1	"	"	"	"	B-01, J
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1104973-08) Methanol Sampled: 10/13/11 00:00 Received: 10/14/11 12:30										
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	B1J1820	10/17/11	10/17/11	EPA 8260B	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	<0.058	1.0	0.058	mg/kg wet	1	"	"	"	"	
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	0.18	2.0	0.12	mg/kg wet	1	"	"	"	"	J, B-01, T-1
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.1			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	97.3			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	96.4			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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ANALYTICAL RESULTS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-SS5_0.5-0.5 (1104973-01) Soil Sampled: 10/13/11 08:00 Received: 10/14/11 12:30										
Flashpoint	> 200			°F	1	B1J2113	10/21/11	10/24/11	EPA 1010A/ASTM D93(M)	
GC-SS12_0.5-0.5 (1104973-03) Soil Sampled: 10/13/11 09:20 Received: 10/14/11 12:30										
Flashpoint	> 200			°F	1	B1J2113	10/21/11	10/24/11	EPA 1010A/ASTM D93(M)	
GC-SS13_0.5-0.5 (1104973-04) Soil Sampled: 10/13/11 09:35 Received: 10/14/11 12:30										
Flashpoint	> 200			°F	1	B1J2113	10/21/11	10/24/11	EPA 1010A/ASTM D93(M)	
GC-SS14_0.5-0.5 (1104973-05) Soil Sampled: 10/13/11 10:00 Received: 10/14/11 12:30										
Flashpoint	> 200			°F	1	B1J2113	10/21/11	10/24/11	EPA 1010A/ASTM D93(M)	
M-1 (1104973-06) Soil Sampled: 10/13/11 00:00 Received: 10/14/11 12:30										
Flashpoint	> 200			°F	1	B1J2113	10/21/11	10/24/11	EPA 1010A/ASTM D93(M)	
FB-1 (1104973-07) Water Sampled: 10/13/11 00:00 Received: 10/14/11 12:30										
Flashpoint	> 200			°F	1	B1J2113	10/21/11	10/24/11	EPA 1010A/ASTM D93(M)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1803 - EPA 200.7/3005A Digestion

Blank (B1J1803-BLK1)

Prepared & Analyzed: 10/18/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1J1803-BS1)

Prepared & Analyzed: 10/18/11

Arsenic	0.410	0.010	0.0011	mg/L	0.399		103	80-120			
Barium	0.434	0.020	0.0012	mg/L	0.399		109	80-120			
Cadmium	0.428	0.0010	0.00013	mg/L	0.399		107	80-120			
Chromium	0.431	0.010	0.00024	mg/L	0.399		108	80-120			
Lead	0.431	0.0030	0.00042	mg/L	0.399		108	80-120			
Selenium	0.414	0.020	0.0019	mg/L	0.399		104	80-120			
Silver	0.0416	0.0050	0.00031	mg/L	0.0399		104	80-120			

LCS Dup (B1J1803-BSD1)

Prepared & Analyzed: 10/18/11

Arsenic	0.405	0.010	0.0011	mg/L	0.399		102	80-120	1.22	20	
Barium	0.434	0.020	0.0012	mg/L	0.399		109	80-120	0.0827	20	
Cadmium	0.424	0.0010	0.00013	mg/L	0.399		106	80-120	0.801	20	
Chromium	0.427	0.010	0.00024	mg/L	0.399		107	80-120	0.936	20	
Lead	0.426	0.0030	0.00042	mg/L	0.399		107	80-120	1.08	20	
Selenium	0.411	0.020	0.0019	mg/L	0.399		103	80-120	0.566	20	
Silver	0.0419	0.0050	0.00031	mg/L	0.0399		105	80-120	0.699	20	

Matrix Spike (B1J1803-MS1)

Source: 1105005-08

Prepared & Analyzed: 10/18/11

Arsenic	0.410	0.010	0.0011	mg/L	0.399	<0.010	103	75-125			
Barium	0.434	0.020	0.0012	mg/L	0.399	<0.020	109	75-125			
Cadmium	0.425	0.0010	0.00013	mg/L	0.399	<0.0010	106	75-125			
Chromium	0.430	0.010	0.00024	mg/L	0.399	<0.010	108	75-125			
Lead	0.430	0.0030	0.00042	mg/L	0.399	<0.0030	108	75-125			
Selenium	0.408	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0419	0.0050	0.00031	mg/L	0.0399	<0.0050	104	75-125			

Matrix Spike Dup (B1J1803-MSD1)

Source: 1105005-08

Prepared & Analyzed: 10/18/11

Arsenic	0.410	0.010	0.0011	mg/L	0.399	<0.010	103	75-125	0.00391	20	
Barium	0.437	0.020	0.0012	mg/L	0.399	<0.020	109	75-125	0.741	20	
Cadmium	0.420	0.0010	0.00013	mg/L	0.399	<0.0010	105	75-125	1.06	20	
Chromium	0.430	0.010	0.00024	mg/L	0.399	<0.010	108	75-125	0.0612	20	
Lead	0.429	0.0030	0.00042	mg/L	0.399	<0.0030	107	75-125	0.188	20	
Selenium	0.412	0.020	0.0019	mg/L	0.399	<0.020	103	75-125	1.08	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1803 - EPA 200.7/3005A Digestion

Matrix Spike Dup (B1J1803-MSD1)

Source: 1105005-08

Prepared & Analyzed: 10/18/11

Silver	0.0420	0.0050	0.00031	mg/L	0.0399	<0.0050	104	75-125	0.371	20	
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Batch B1J1805 - EPA 3050B

Blank (B1J1805-BLK1)

Prepared & Analyzed: 10/18/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1805-BS1)

Prepared & Analyzed: 10/18/11

Arsenic	41.5	0.50	0.055	mg/kg wet	39.9		104	80-120			
Barium	42.9	1.0	0.060	mg/kg wet	39.9		108	80-120			
Cadmium	42.0	0.25	0.033	mg/kg wet	39.9		105	80-120			
Chromium	42.6	0.50	0.012	mg/kg wet	39.9		107	80-120			
Lead	42.6	1.0	0.14	mg/kg wet	39.9		107	80-120			
Selenium	41.6	1.0	0.095	mg/kg wet	39.9		104	80-120			
Silver	4.11	0.25	0.016	mg/kg wet	3.99		103	80-120			

LCS Dup (B1J1805-BSD1)

Prepared & Analyzed: 10/18/11

Arsenic	41.3	0.50	0.055	mg/kg wet	39.9		104	80-120	0.356	20	
Barium	43.1	1.0	0.060	mg/kg wet	39.9		108	80-120	0.302	20	
Cadmium	42.0	0.25	0.033	mg/kg wet	39.9		105	80-120	0.0370	20	
Chromium	42.6	0.50	0.012	mg/kg wet	39.9		107	80-120	0.0613	20	
Lead	42.5	1.0	0.14	mg/kg wet	39.9		107	80-120	0.240	20	
Selenium	41.6	1.0	0.095	mg/kg wet	39.9		104	80-120	0.198	20	
Silver	4.05	0.25	0.016	mg/kg wet	3.99		102	80-120	1.43	20	

Matrix Spike (B1J1805-MS1)

Source: 1105001-04

Prepared & Analyzed: 10/18/11

Arsenic	39.8	0.48	0.053	mg/kg dry	38.1	1.57	100	75-125			
Barium	59.0	0.96	0.057	mg/kg dry	38.1	20.0	102	75-125			
Cadmium	38.9	0.24	0.032	mg/kg dry	38.1	<0.24	102	75-125			
Chromium	47.0	0.48	0.011	mg/kg dry	38.1	9.36	98.7	75-125			
Lead	40.4	0.96	0.13	mg/kg dry	38.1	2.15	100	75-125			
Selenium	38.0	0.96	0.091	mg/kg dry	38.1	<0.96	99.6	75-125			
Silver	3.81	0.24	0.015	mg/kg dry	3.81	<0.24	99.9	75-125			

Matrix Spike Dup (B1J1805-MSD1)

Source: 1105001-04

Prepared & Analyzed: 10/18/11

Arsenic	40.0	0.48	0.053	mg/kg dry	38.3	1.57	100	75-125	0.547	20	
Barium	57.8	0.96	0.058	mg/kg dry	38.3	20.0	98.6	75-125	2.05	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1805 - EPA 3050B											
Matrix Spike Dup (B1J1805-MSD1)			Source: 1105001-04			Prepared & Analyzed: 10/18/11					
Cadmium	39.1	0.24	0.032	mg/kg dry	38.3	<0.24	102	75-125	0.544	20	
Chromium	46.1	0.48	0.012	mg/kg dry	38.3	9.36	96.0	75-125	1.81	20	
Lead	40.3	0.96	0.13	mg/kg dry	38.3	2.15	99.5	75-125	0.249	20	
Selenium	38.3	0.96	0.091	mg/kg dry	38.3	<0.96	99.9	75-125	0.789	20	
Silver	3.83	0.24	0.015	mg/kg dry	3.83	<0.24	99.9	75-125	0.543	20	
Batch B1J1908 - EPA 7471A											
Blank (B1J1908-BLK1)			Prepared: 10/19/11 Analyzed: 10/20/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1908-BS1)			Prepared: 10/19/11 Analyzed: 10/20/11								
Mercury	0.184	0.10	0.019	mg/kg wet	0.200		92.0	80-120			
LCS Dup (B1J1908-BSD1)			Prepared: 10/19/11 Analyzed: 10/20/11								
Mercury	0.180	0.10	0.019	mg/kg wet	0.200		90.0	80-120	2.20	20	
Matrix Spike (B1J1908-MS1)			Source: 1104916-01			Prepared: 10/19/11 Analyzed: 10/20/11					
Mercury	0.284	0.11	0.022	mg/kg dry	0.225	<0.11	107	75-125			
Matrix Spike Dup (B1J1908-MSD1)			Source: 1104916-01			Prepared: 10/19/11 Analyzed: 10/20/11					
Mercury	0.266	0.11	0.022	mg/kg dry	0.223	<0.11	101	75-125	6.50	20	
Batch B1J2006 - EPA 245.1/7470A Digestion											
Blank (B1J2006-BLK1)			Prepared & Analyzed: 10/20/11								
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1J2006-BS1)			Prepared & Analyzed: 10/20/11								
Mercury	0.00181	0.00020	0.000037	mg/L	0.00200		90.5	80-120			
LCS Dup (B1J2006-BSD1)			Prepared & Analyzed: 10/20/11								
Mercury	0.00179	0.00020	0.000037	mg/L	0.00200		89.5	80-120	1.11	20	
Matrix Spike (B1J2006-MS1)			Source: 1104973-07			Prepared & Analyzed: 10/20/11					
Mercury	0.00197	0.00020	0.000037	mg/L	0.00200	<0.00020	98.5	75-125			
Matrix Spike Dup (B1J2006-MSD1)			Source: 1104973-07			Prepared & Analyzed: 10/20/11					
Mercury	0.00178	0.00020	0.000037	mg/L	0.00200	<0.00020	89.0	75-125	10.1	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2109 - General Preparation											
Duplicate (B1J2109-DUP1)						Source: 1104973-06		Prepared & Analyzed: 10/21/11			
% Solids	86.0			%		86.0			0.00	20	
Duplicate (B1J2109-DUP2)						Source: 1105098-03		Prepared & Analyzed: 10/21/11			
% Solids	96.0			%		95.0			1.05	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

Blank (B1J1806-BLK1)

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

Blank (B1J1806-BLK1)

Prepared & Analyzed: 10/18/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	86.3			ug/L	100		86.3	30-122			
Surrogate: 2-Fluorobiphenyl	71.0			ug/L	100		71.0	39.2-104			
Surrogate: 2-Fluorophenol	68.1			ug/L	100		68.1	30-80.1			
Surrogate: Nitrobenzene-d5	74.6			ug/L	100		74.6	51.2-103			
Surrogate: Phenol-d6	67.4			ug/L	100		67.4	30-75.3			
Surrogate: Terphenyl-d14	70.6			ug/L	100		70.6	30-116			

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

LCS (B1J1806-BS1)

Prepared: 10/18/11 Analyzed: 10/19/11

1,2,4-Trichlorobenzene	69.0	10	0.30	ug/L	100		69.0	47.4-88.7		20	
1,4-Dichlorobenzene	69.8	10	0.29	ug/L	100		69.8	39.5-81		20	
2,4-Dinitrotoluene	88.5	10	0.45	ug/L	100		88.5	67.2-99.3		20	
2-Chlorophenol	72.8	10	0.39	ug/L	100		72.8	56.5-85.9		20	
4-Chloro-3-methylphenol	81.7	10	0.48	ug/L	100		81.7	62.1-98.2		20	
4-Nitrophenol	77.6	10	0.78	ug/L	100		77.6	40.5-98.5		20	
Anthracene	86.7	10	0.56	ug/L	100		86.7	70.6-95.3		20	
Benzo(a)anthracene	92.8	10	0.50	ug/L	100		92.8	73.7-96.6		20	
Benzo(a)pyrene	85.7	10	0.41	ug/L	100		85.7	70.9-92.6		20	
Chrysene	94.7	10	0.61	ug/L	100		94.7	71.8-97.5		20	
Fluoranthene	82.5	10	0.61	ug/L	100		82.5	73.6-96.8		20	
Fluorene	78.0	10	0.52	ug/L	100		78.0	69.3-93.3		20	
N-Nitrosodi-n-propylamine	76.3	10	0.25	ug/L	100		76.3	65.9-89.3		20	
Pentachlorophenol	84.4	10	0.90	ug/L	100		84.4	55-107		20	
Phenanthrene	88.3	10	0.35	ug/L	100		88.3	72.5-97.6		20	
Phenol	63.9	10	0.41	ug/L	100		63.9	34.1-71.6		20	
Surrogate: 2,4,6-Tribromophenol	90.4			ug/L	100		90.4	30-122			
Surrogate: 2-Fluorobiphenyl	70.5			ug/L	100		70.5	39.2-104			
Surrogate: 2-Fluorophenol	68.8			ug/L	100		68.8	30-80.1			
Surrogate: Nitrobenzene-d5	74.6			ug/L	100		74.6	51.2-103			
Surrogate: Phenol-d6	65.6			ug/L	100		65.6	30-75.3			
Surrogate: Terphenyl-d14	77.6			ug/L	100		77.6	30-116			

LCS Dup (B1J1806-BSD1)

Prepared: 10/18/11 Analyzed: 10/19/11

Q9, QM-10

1,2,4-Trichlorobenzene	67.9	10	0.30	ug/L	100		67.9	47.4-88.7	1.64	20	
1,4-Dichlorobenzene	69.4	10	0.29	ug/L	100		69.4	39.5-81	0.601	20	
2,4-Dinitrotoluene	87.2	10	0.45	ug/L	100		87.2	67.2-99.3	1.46	20	
2-Chlorophenol	70.8	10	0.39	ug/L	100		70.8	56.5-85.9	2.73	20	
4-Chloro-3-methylphenol	81.3	10	0.48	ug/L	100		81.3	62.1-98.2	0.381	20	
4-Nitrophenol	76.7	10	0.78	ug/L	100		76.7	40.5-98.5	1.25	20	
Anthracene	85.6	10	0.56	ug/L	100		85.6	70.6-95.3	1.26	20	
Benzo(a)anthracene	92.0	10	0.50	ug/L	100		92.0	73.7-96.6	0.919	20	
Benzo(a)pyrene	85.0	10	0.41	ug/L	100		85.0	70.9-92.6	0.887	20	
Chrysene	95.1	10	0.61	ug/L	100		95.1	71.8-97.5	0.384	20	
Fluoranthene	82.4	10	0.61	ug/L	100		82.4	73.6-96.8	0.102	20	
Fluorene	77.7	10	0.52	ug/L	100		77.7	69.3-93.3	0.435	20	
N-Nitrosodi-n-propylamine	76.7	10	0.25	ug/L	100		76.7	65.9-89.3	0.443	20	
Pentachlorophenol	80.2	10	0.90	ug/L	100		80.2	55-107	5.05	20	
Phenanthrene	87.3	10	0.35	ug/L	100		87.3	72.5-97.6	1.12	20	
Phenol	63.8	10	0.41	ug/L	100		63.8	34.1-71.6	0.148	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1806 - EPA 3510C (Sep Funnel)											
LCS Dup (B1J1806-BSD1)											
					Prepared: 10/18/11	Analyzed: 10/19/11					Q9, QM-10
Surrogate: 2,4,6-Tribromophenol	87.9			ug/L	100		87.9	30-122			
Surrogate: 2-Fluorobiphenyl	69.9			ug/L	100		69.9	39.2-104			
Surrogate: 2-Fluorophenol	68.0			ug/L	100		68.0	30-80.1			
Surrogate: Nitrobenzene-d5	74.1			ug/L	100		74.1	51.2-103			
Surrogate: Phenol-d6	65.4			ug/L	100		65.4	30-75.3			
Surrogate: Terphenyl-d14	76.3			ug/L	100		76.3	30-116			
Matrix Spike (B1J1806-MS1)											
Source: 1104924-01											
					Prepared: 10/18/11	Analyzed: 10/19/11					
1,2,4-Trichlorobenzene	65.2	10	0.30	ug/L	101	<10	64.5	39.2-90.6		23.6	
1,4-Dichlorobenzene	64.1	10	0.29	ug/L	101	<10	62.4	34.1-81.6		22.4	
2,4-Dinitrotoluene	80.1	10	0.45	ug/L	101	<10	79.3	41.1-110		17.2	
2-Chlorophenol	68.3	10	0.39	ug/L	101	<10	67.6	30-96.4		23.7	
4-Chloro-3-methylphenol	64.7	10	0.48	ug/L	101	<10	64.0	30-113		24.1	
4-Nitrophenol	82.6	10	0.78	ug/L	101	<10	81.8	30-112		34.3	
Anthracene	75.5	10	0.56	ug/L	101	<10	74.7	30-119		24.5	
Benzo(a)anthracene	72.8	10	0.50	ug/L	101	<10	72.1	30-122		27.8	
Benzo(a)pyrene	71.3	10	0.41	ug/L	101	<10	70.6	30-118		27.1	
Chrysene	76.7	10	0.61	ug/L	101	<10	76.0	30-125		28	
Fluoranthene	68.6	10	0.61	ug/L	101	<10	67.9	31.6-119		25.9	
Fluorene	67.9	10	0.52	ug/L	101	<10	67.3	40.8-107		20.6	
N-Nitrosodi-n-propylamine	69.5	10	0.25	ug/L	101	<10	68.8	47.2-94.8		15.8	
Pentachlorophenol	84.5	10	0.90	ug/L	101	<10	83.6	30-130		25.5	
Phenanthrene	78.9	10	0.35	ug/L	101	<10	78.2	38.2-117		19.3	
Phenol	64.6	10	0.41	ug/L	101	<10	58.6	30-80		31.9	
Surrogate: 2,4,6-Tribromophenol	83.9			ug/L	101		83.0	30-122			
Surrogate: 2-Fluorobiphenyl	65.4			ug/L	101		64.8	39.2-104			
Surrogate: 2-Fluorophenol	61.3			ug/L	101		60.7	30-80.1			
Surrogate: Nitrobenzene-d5	69.6			ug/L	101		68.9	51.2-103			
Surrogate: Phenol-d6	60.4			ug/L	101		59.8	30-75.3			
Surrogate: Terphenyl-d14	42.8			ug/L	101		42.4	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2102 - EPA 3545 ASE Extraction

Blank (B1J2102-BLK1)

Prepared & Analyzed: 10/21/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2102 - EPA 3545 ASE Extraction

Blank (B1J2102-BLK1)

Prepared & Analyzed: 10/21/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.24			mg/kg wet	6.67		63.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.67			mg/kg wet	6.67		70.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.21			mg/kg wet	6.67		63.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.49			mg/kg wet	6.67		67.3	48.9-100			
Surrogate: Phenol-d6	4.19			mg/kg wet	6.67		62.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.88			mg/kg wet	6.67		88.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2102 - EPA 3545 ASE Extraction

LCS (B1J2102-BS1)

Prepared & Analyzed: 10/21/11

1,2,4-Trichlorobenzene	4.26	0.33	0.031	mg/kg wet	6.67		63.8	59.1-87.7		20	
1,4-Dichlorobenzene	3.99	0.33	0.029	mg/kg wet	6.67		59.9	50.3-72.9		20	
2,4-Dinitrotoluene	4.88	0.33	0.035	mg/kg wet	6.67		73.2	59.8-82.2		20	
2-Chlorophenol	4.46	0.67	0.060	mg/kg wet	6.67		66.9	59.7-77.3		20	
4-Chloro-3-methylphenol	4.78	0.67	0.066	mg/kg wet	6.67		71.8	63.6-80.4		20	
4-Nitrophenol	4.22	0.67	0.093	mg/kg wet	6.67		63.2	57.3-84.9		20	
Anthracene	5.80	0.33	0.036	mg/kg wet	6.67		87.0	67.3-88		20	
Benzo(a)anthracene	5.50	0.33	0.041	mg/kg wet	6.67		82.4	66.5-90.5		20	
Benzo(a)pyrene	5.63	0.33	0.042	mg/kg wet	6.67		84.4	66.1-89.7		20	
Chrysene	5.45	0.33	0.044	mg/kg wet	6.67		81.7	65.5-90.5		20	
Fluoranthene	5.63	0.33	0.039	mg/kg wet	6.67		84.5	66.7-89.9		20	
Fluorene	5.36	0.33	0.035	mg/kg wet	6.67		80.4	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.39	0.33	0.033	mg/kg wet	6.67		65.9	59.4-78		20	
Pentachlorophenol	3.43	0.67	0.078	mg/kg wet	6.67		51.4	46.7-83.2		20	
Phenanthrene	5.74	0.33	0.036	mg/kg wet	6.67		86.1	67.5-87.9		20	
Phenol	4.26	0.67	0.069	mg/kg wet	6.67		63.8	59.5-76.6		20	
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.63			mg/kg wet	6.67		69.4	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.70			mg/kg wet	6.67		70.5	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.07			mg/kg wet	6.67		61.0	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.38			mg/kg wet	6.67		65.7	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.55			mg/kg wet	6.67		68.2	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.89			mg/kg wet	6.67		73.4	51-99.6			

Matrix Spike (B1J2102-MS1)

Source: 1104973-03

Prepared & Analyzed: 10/21/11

1,2,4-Trichlorobenzene	4.69	0.35	0.033	mg/kg dry	7.14	<0.35	65.7	44.8-97.9		19.6	
1,4-Dichlorobenzene	4.04	0.35	0.031	mg/kg dry	7.14	<0.35	56.6	42.3-77.9		22.4	
2,4-Dinitrotoluene	5.12	0.35	0.037	mg/kg dry	7.14	<0.35	71.7	57.3-86.6		19.5	
2-Chlorophenol	4.49	0.71	0.064	mg/kg dry	7.14	<0.71	62.9	43.3-93.2		23.7	
4-Chloro-3-methylphenol	4.95	0.71	0.070	mg/kg dry	7.14	<0.71	69.4	47.1-97.6		18.3	
4-Nitrophenol	5.27	0.71	0.099	mg/kg dry	7.14	<0.71	73.9	49.3-96.2		20.4	
Anthracene	5.30	0.35	0.038	mg/kg dry	7.14	<0.35	73.7	67.5-93.1		19.9	
Benzo(a)anthracene	5.46	0.35	0.044	mg/kg dry	7.14	<0.35	74.7	59.8-95.7		23.4	
Benzo(a)pyrene	4.96	0.35	0.045	mg/kg dry	7.14	<0.35	68.3	59.8-92.7		21.1	
Chrysene	5.63	0.35	0.047	mg/kg dry	7.14	<0.35	77.5	62.5-94.6		24.8	
Fluoranthene	5.31	0.35	0.041	mg/kg dry	7.14	<0.35	72.0	61.3-92.8		21.8	
Fluorene	4.98	0.35	0.037	mg/kg dry	7.14	<0.35	69.8	62.8-92.6		17.6	
N-Nitrosodi-n-propylamine	4.71	0.35	0.035	mg/kg dry	7.14	<0.35	66.0	46.9-89.9		18.9	
Pentachlorophenol	4.84	0.71	0.083	mg/kg dry	7.14	<0.71	67.8	40.1-95.1		19.7	
Phenanthrene	5.52	0.35	0.038	mg/kg dry	7.14	<0.35	75.2	65.2-92.2		20.5	
Phenol	4.42	0.71	0.073	mg/kg dry	7.14	<0.71	61.8	44.7-91		17.9	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2102 - EPA 3545 ASE Extraction

Matrix Spike (B1J2102-MS1)

Source: 1104973-03

Prepared & Analyzed: 10/21/11

Surrogate: 2,4,6-Tribromophenol	6.22			mg/kg dry	7.14		87.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.64			mg/kg dry	7.14		65.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.70			mg/kg dry	7.14		65.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.72			mg/kg dry	7.14		66.1	48.9-100			
Surrogate: Phenol-d6	5.24			mg/kg dry	7.14		73.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.82			mg/kg dry	7.14		67.5	51-99.6			

Matrix Spike Dup (B1J2102-MSD1)

Source: 1104973-03

Prepared & Analyzed: 10/21/11

1,2,4-Trichlorobenzene	4.65	0.35	0.033	mg/kg dry	7.09	<0.35	65.5	44.8-97.9	0.989	19.6	
1,4-Dichlorobenzene	3.95	0.35	0.031	mg/kg dry	7.09	<0.35	55.7	42.3-77.9	2.24	22.4	
2,4-Dinitrotoluene	5.32	0.35	0.037	mg/kg dry	7.09	<0.35	75.0	57.3-86.6	3.83	19.5	
2-Chlorophenol	4.53	0.71	0.064	mg/kg dry	7.09	<0.71	63.9	43.3-93.2	0.886	23.7	
4-Chloro-3-methylphenol	5.03	0.71	0.070	mg/kg dry	7.09	<0.71	71.0	47.1-97.6	1.60	18.3	
4-Nitrophenol	5.62	0.71	0.099	mg/kg dry	7.09	<0.71	79.2	49.3-96.2	6.32	20.4	
Anthracene	5.41	0.35	0.038	mg/kg dry	7.09	<0.35	75.7	67.5-93.1	2.02	19.9	
Benzo(a)anthracene	5.54	0.35	0.044	mg/kg dry	7.09	<0.35	76.4	59.8-95.7	1.57	23.4	
Benzo(a)pyrene	5.07	0.35	0.045	mg/kg dry	7.09	<0.35	70.2	59.8-92.7	2.10	21.1	
Chrysene	5.74	0.35	0.047	mg/kg dry	7.09	<0.35	79.4	62.5-94.6	1.83	24.8	
Fluoranthene	5.26	0.35	0.041	mg/kg dry	7.09	<0.35	71.8	61.3-92.8	0.974	21.8	
Fluorene	5.05	0.35	0.037	mg/kg dry	7.09	<0.35	71.2	62.8-92.6	1.27	17.6	
N-Nitrosodi-n-propylamine	4.73	0.35	0.035	mg/kg dry	7.09	<0.35	66.7	46.9-89.9	0.386	18.9	
Pentachlorophenol	5.09	0.71	0.083	mg/kg dry	7.09	<0.71	71.7	40.1-95.1	5.02	19.7	
Phenanthrene	5.51	0.35	0.038	mg/kg dry	7.09	<0.35	75.6	65.2-92.2	0.144	20.5	
Phenol	4.45	0.71	0.073	mg/kg dry	7.09	<0.71	62.7	44.7-91	0.741	17.9	
Surrogate: 2,4,6-Tribromophenol	6.45			mg/kg dry	7.09		90.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.69			mg/kg dry	7.09		66.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.70			mg/kg dry	7.09		66.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.72			mg/kg dry	7.09		66.5	48.9-100			
Surrogate: Phenol-d6	5.29			mg/kg dry	7.09		74.5	50.4-99.6			
Surrogate: Terphenyl-d14	4.96			mg/kg dry	7.09		70.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1820 - EPA 5035 Soil (Purge and Trap)

Blank (B1J1820-BLK1)

Prepared & Analyzed: 10/17/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	0.297	2.0	0.19	mg/kg wet							B-02, J
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	0.0288	0.25	0.021	mg/kg wet							B-02, J
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1820 - EPA 5035 Soil (Purge and Trap)

Blank (B1J1820-BLK1)

Prepared & Analyzed: 10/17/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	0.188	2.0	0.12	mg/kg wet							B-02, J
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	48.2			ug/L	50.0		96.5	80-124			
Surrogate: Dibromofluoromethane	47.8			ug/L	50.0		95.7	77.1-123			
Surrogate: Toluene-d8	47.2			ug/L	50.0		94.5	78.1-125			

LCS (B1J1820-BS1)

Prepared & Analyzed: 10/17/11

1,1,1,2-Tetrachloroethane	46.5			ug/L	50.0		93.1	75-120		20	
1,1-Dichloroethane	47.0			ug/L	50.0		94.1	79.6-120		20	
1,1-Dichloroethene	46.7			ug/L	50.0		93.4	78.3-120		20	
1,3,5-Trimethylbenzene	47.2			ug/L	50.0		94.5	77-120		20	
1,4-Dichlorobenzene	49.1			ug/L	50.0		98.2	75-125		20	
2-Chlorotoluene	49.7			ug/L	50.0		99.5	75.9-120		20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1820 - EPA 5035 Soil (Purge and Trap)

LCS (B1J1820-BS1)

Prepared & Analyzed: 10/17/11

Benzene	44.6			ug/L	50.0		89.2	80-120		20	
Bromoform	54.3			ug/L	50.0		109	80-120		20	
Chlorobenzene	51.8			ug/L	50.0		104	80-120		20	
Chloroform	46.9			ug/L	50.0		93.9	80-120		20	
Ethylbenzene	56.4			ug/L	50.0		113	80-120		20	
n-Butylbenzene	48.9			ug/L	50.0		97.8	75-125		20	
n-Propylbenzene	51.3			ug/L	50.0		103	75-120		20	
Toluene	52.4			ug/L	50.0		105	80-120		20	
Trichloroethene	51.3			ug/L	50.0		103	80-120		20	
Vinyl chloride	50.3			ug/L	50.0		101	75-130		20	
Surrogate: 4-Bromofluorobenzene	50.1			ug/L	50.0		100	80-124			
Surrogate: Dibromofluoromethane	47.4			ug/L	50.0		94.9	77.1-123			
Surrogate: Toluene-d8	48.1			ug/L	50.0		96.3	78.1-125			

Matrix Spike (B1J1820-MS1)

Source: 1104973-01

Prepared & Analyzed: 10/17/11

1,1,2,2-Tetrachloroethane	47.8			ug/L	50.0	<	95.6	75-125		20	
1,1-Dichloroethane	46.3			ug/L	50.0	<	92.5	78.7-123		20	
1,1-Dichloroethene	47.4			ug/L	50.0	<	94.8	75.8-121		20	
1,3,5-Trimethylbenzene	50.1			ug/L	50.0	0.204	99.8	75-120		20	
1,4-Dichlorobenzene	49.8			ug/L	50.0	<	99.6	75-125		20	
2-Chlorotoluene	50.5			ug/L	50.0	<	101	75-120		20	
Benzene	45.7			ug/L	50.0	<	91.4	80-120		20	
Bromoform	55.8			ug/L	50.0	<	112	80-120		20	
Chlorobenzene	53.1			ug/L	50.0	<	106	80-120		20	
Chloroform	47.8			ug/L	50.0	0.287	95.1	80-120		20	
Ethylbenzene	57.0			ug/L	50.0	0.112	114	80-120		20	
n-Butylbenzene	51.5			ug/L	50.0	<	103	73.8-125		20	
n-Propylbenzene	52.2			ug/L	50.0	<	104	75-120		20	
Toluene	52.7			ug/L	50.0	0.222	105	80-120		20	
Trichloroethene	51.0			ug/L	50.0	<	102	80-120		20	
Vinyl chloride	50.6			ug/L	50.0	<	101	74.8-130		20	
Surrogate: 4-Bromofluorobenzene	47.5			ug/L	50.0		95.0	80-124			
Surrogate: Dibromofluoromethane	47.2			ug/L	50.0		94.3	77.1-123			
Surrogate: Toluene-d8	47.7			ug/L	50.0		95.3	78.1-125			

Matrix Spike Dup (B1J1820-MSD1)

Source: 1104973-01

Prepared & Analyzed: 10/17/11

1,1,2,2-Tetrachloroethane	48.7			ug/L	50.0	<	97.3	75-125	1.78	20	
1,1-Dichloroethane	47.0			ug/L	50.0	<	94.1	78.7-123	1.66	20	
1,1-Dichloroethene	46.2			ug/L	50.0	<	92.3	75.8-121	2.66	20	
1,3,5-Trimethylbenzene	48.4			ug/L	50.0	0.204	96.4	75-120	3.44	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1820 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1J1820-MSD1)	Source: 1104973-01				Prepared & Analyzed: 10/17/11						
1,4-Dichlorobenzene	49.0			ug/L	50.0	<	98.1	75-125	1.51	20	
2-Chlorotoluene	49.7			ug/L	50.0	<	99.4	75-120	1.58	20	
Benzene	45.3			ug/L	50.0	<	90.6	80-120	0.804	20	
Bromoform	55.0			ug/L	50.0	<	110	80-120	1.53	20	
Chlorobenzene	51.9			ug/L	50.0	<	104	80-120	2.41	20	
Chloroform	46.1			ug/L	50.0	0.287	91.6	80-120	3.68	20	
Ethylbenzene	55.6			ug/L	50.0	0.112	111	80-120	2.58	20	
n-Butylbenzene	48.9			ug/L	50.0	<	97.9	73.8-125	5.06	20	
n-Propylbenzene	50.8			ug/L	50.0	<	102	75-120	2.75	20	
Toluene	52.4			ug/L	50.0	0.222	104	80-120	0.636	20	
Trichloroethene	50.4			ug/L	50.0	<	101	80-120	1.16	20	
Vinyl chloride	50.7			ug/L	50.0	<	101	74.8-130	0.144	20	
Surrogate: 4-Bromofluorobenzene	47.9			ug/L	50.0		95.8	80-124			
Surrogate: Dibromofluoromethane	46.9			ug/L	50.0		93.7	77.1-123			
Surrogate: Toluene-d8	47.1			ug/L	50.0		94.2	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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ANALYTICAL RESULTS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2113 - General Prep											
Duplicate (B1J2113-DUP1)											
			Source: 1104973-01			Prepared: 10/21/11 Analyzed: 10/24/11					
Flashpoint	> 200			°F		> 200				5	
Reference (B1J2113-SRM1)											
						Prepared: 10/21/11 Analyzed: 10/24/11					
Flashpoint	77.0			°F	78.0		98.7	97.4-102.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1104973 Date Reported: 11/07/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
QM-10	LCS/LCSD were analyzed in place of MS/MSD.
Q9	Insufficient sample received to meet method QC requirements.
J	Parameter was present between the MDL and RL and should be considered an estimated value
B-02	Target analyte was present in the method blank between the MDL and RL.
B-01	Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
BARR 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1104973

Project Number: 23119-1092 48RE 820
 Project Name: Umme East RE Gow Central 10/14/11
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: NO 37382

Number of Containers/Preservative		COC	of	Total Number of Containers
Water	Soil			
			<u>1</u>	<u>1</u>
Project Manager: <u>JME</u>				
Project QC Contact: <u>AAW</u>				
Sampled by: <u>ADVAKB</u>				
Laboratory: <u>Legend</u>				
VOCs (HCl) #1	VOCs (unpreserved) #2			
Disolved Metals (HNO ₃)	Total Metals (HNO ₃)			
General (unpreserved) #2	Diesel Range Organics (HCl)			
Nutrients (H ₂ SO ₄) #4	Phosphat			
VOCs (Iared MeOH) #1	GRX, BTEX (Iared MeOH) #1			
DRD (Iared unpreserved)	Metals (unpreserved)			
SVOCS (unpreserved) #2	SVOCS (unpreserved) #2			
Solids (plastic vial, unpres.)	Phosphat			

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	VOCs (unpreserved) #2	Disolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #2	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	Phosphat	VOCs (Iared MeOH) #1	GRX, BTEX (Iared MeOH) #1	DRD (Iared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	SVOCS (unpreserved) #2	Solids (plastic vial, unpres.)	Phosphat	Total Number of Containers	Notes
						Water	Soil	Grab	Comp.																		
1. GC-555	0.5	0.5	FT	10/13/2011	8:00	X	X																			3	Analyse for VOCs, PCBs, metals, SVOCs, Phosphat
2. GC-556					8:45	X	X																			2	Analyse for PCBs, metals, SVOCs
3. GC-5512					9:20	X	X																			9	Analyse for PCBs, metals, SVOCs, Phosphat 15/100
4. GC-5513					9:35	X	X																			3	
5. GC-5514					10:00	X	X																			3	
6. M-1						X	X	X																		3	
7. FB-1						X			X	X	X															3	
8. Trap Blank									X	X																1	Analyse for VOCs
9.																											
10.																											

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRX, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: [Signature] On Ice? N Date: 10/14/11 Time: _____ Received by: _____ Date: _____ Time: _____
 Relinquished By: _____ On Ice? Y N Date: _____ Time: _____ Received by: [Signature] Date: 10/14/11 Time: 12:30
 Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____ Air Bill Number: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

RA/CST 10/14/11

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

H:\LEGEND\Chain of Custody Form 2009 RLE Rev. 08/10/08



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 26, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105001
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/17/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

Handwritten signature of Bach Pham in black ink.

Bach Pham
Client Manager I
bpham@legend-group.com

Handwritten signature of Triet Le in black ink.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CAP-TT20_1-1	1105001-01	Soil	10/14/11 08:00	10/17/11 14:15
CAP-TT14_1-1	1105001-02	Soil	10/14/11 08:30	10/17/11 14:15
CAP-TT18_1-1	1105001-03	Soil	10/14/11 08:45	10/17/11 14:15
CAP-TT21_1-1	1105001-04	Soil	10/14/11 09:30	10/17/11 14:15

Shipping Container Information

Default Cooler	Temperature (°C):	
Received on ice: Yes	Temperature blank was not present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: Yes		

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT20_1-1 (1105001-01) Soil Sampled: 10/14/11 08:00 Received: 10/17/11 14:15										
Arsenic	1.8	0.51	0.056	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Barium	24	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	6.9	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.2	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.088	0.088	0.017	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
CAP-TT14_1-1 (1105001-02) Soil Sampled: 10/14/11 08:30 Received: 10/17/11 14:15										
Arsenic	1.7	0.51	0.056	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Barium	24	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	6.8	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	4.5	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.097	0.097	0.018	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
CAP-TT18_1-1 (1105001-03) Soil Sampled: 10/14/11 08:45 Received: 10/17/11 14:15										
Arsenic	1.8	0.51	0.056	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Barium	30	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	7.3	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	3.0	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.096	0.096	0.018	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
CAP-TT21_1-1 (1105001-04) Soil Sampled: 10/14/11 09:30 Received: 10/17/11 14:15										
Arsenic	1.6	0.48	0.052	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Barium	20	0.95	0.057	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.031	mg/kg dry	1	"	"	"	"	
Chromium	9.4	0.48	0.011	mg/kg dry	1	"	"	"	"	
Lead	2.1	0.95	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.018	mg/kg dry	1	B1J1907	10/19/11	10/20/11	EPA 7471A	
Selenium	<0.95	0.95	0.091	mg/kg dry	1	B1J1805	10/18/11	10/18/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT20_1-1 (1105001-01) Soil Sampled: 10/14/11 08:00 Received: 10/17/11 14:15										
% Solids	98			%	1	B1J2505	10/25/11	10/25/11	% calculation	
CAP-TT14_1-1 (1105001-02) Soil Sampled: 10/14/11 08:30 Received: 10/17/11 14:15										
% Solids	98			%	1	B1J2505	10/25/11	10/25/11	% calculation	
CAP-TT18_1-1 (1105001-03) Soil Sampled: 10/14/11 08:45 Received: 10/17/11 14:15										
% Solids	98			%	1	B1J2505	10/25/11	10/25/11	% calculation	
CAP-TT21_1-1 (1105001-04) Soil Sampled: 10/14/11 09:30 Received: 10/17/11 14:15										
% Solids	99			%	1	B1J2505	10/25/11	10/25/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT14_1-1 (1105001-02RE1) Soil Sampled: 10/14/11 08:30 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J2102	10/21/11	10/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT14_1-1 (1105001-02RE1) Soil Sampled: 10/14/11 08:30 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J2102	10/21/11	10/21/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	70.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	58.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	49.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	54.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	51.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT18_1-1 (1105001-03) Soil Sampled: 10/14/11 08:45 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1903	10/19/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT18_1-1 (1105001-03) Soil Sampled: 10/14/11 08:45 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1903	10/19/11	10/20/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	94.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1805 - EPA 3050B

Blank (B1J1805-BLK1)

Prepared & Analyzed: 10/18/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1805-BS1)

Prepared & Analyzed: 10/18/11

Arsenic	41.5	0.50	0.055	mg/kg wet	39.9		104	80-120			
Barium	42.9	1.0	0.060	mg/kg wet	39.9		108	80-120			
Cadmium	42.0	0.25	0.033	mg/kg wet	39.9		105	80-120			
Chromium	42.6	0.50	0.012	mg/kg wet	39.9		107	80-120			
Lead	42.6	1.0	0.14	mg/kg wet	39.9		107	80-120			
Selenium	41.6	1.0	0.095	mg/kg wet	39.9		104	80-120			
Silver	4.11	0.25	0.016	mg/kg wet	3.99		103	80-120			

LCS Dup (B1J1805-BSD1)

Prepared & Analyzed: 10/18/11

Arsenic	41.3	0.50	0.055	mg/kg wet	39.9		104	80-120	0.356	20	
Barium	43.1	1.0	0.060	mg/kg wet	39.9		108	80-120	0.302	20	
Cadmium	42.0	0.25	0.033	mg/kg wet	39.9		105	80-120	0.0370	20	
Chromium	42.6	0.50	0.012	mg/kg wet	39.9		107	80-120	0.0613	20	
Lead	42.5	1.0	0.14	mg/kg wet	39.9		107	80-120	0.240	20	
Selenium	41.6	1.0	0.095	mg/kg wet	39.9		104	80-120	0.198	20	
Silver	4.05	0.25	0.016	mg/kg wet	3.99		102	80-120	1.43	20	

Matrix Spike (B1J1805-MS1)

Source: 1105001-04

Prepared & Analyzed: 10/18/11

Arsenic	39.8	0.48	0.053	mg/kg dry	38.1	1.57	100	75-125			
Barium	59.0	0.96	0.057	mg/kg dry	38.1	20.0	102	75-125			
Cadmium	38.9	0.24	0.032	mg/kg dry	38.1	<0.24	102	75-125			
Chromium	47.0	0.48	0.011	mg/kg dry	38.1	9.36	98.7	75-125			
Lead	40.4	0.96	0.13	mg/kg dry	38.1	2.15	100	75-125			
Selenium	38.0	0.96	0.091	mg/kg dry	38.1	<0.96	99.6	75-125			
Silver	3.81	0.24	0.015	mg/kg dry	3.81	<0.24	99.9	75-125			

Matrix Spike Dup (B1J1805-MSD1)

Source: 1105001-04

Prepared & Analyzed: 10/18/11

Arsenic	40.0	0.48	0.053	mg/kg dry	38.3	1.57	100	75-125	0.547	20	
Barium	57.8	0.96	0.058	mg/kg dry	38.3	20.0	98.6	75-125	2.05	20	
Cadmium	39.1	0.24	0.032	mg/kg dry	38.3	<0.24	102	75-125	0.544	20	
Chromium	46.1	0.48	0.012	mg/kg dry	38.3	9.36	96.0	75-125	1.81	20	
Lead	40.3	0.96	0.13	mg/kg dry	38.3	2.15	99.5	75-125	0.249	20	
Selenium	38.3	0.96	0.091	mg/kg dry	38.3	<0.96	99.9	75-125	0.789	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1805 - EPA 3050B											
Matrix Spike Dup (B1J1805-MSD1)			Source: 1105001-04			Prepared & Analyzed: 10/18/11					
Silver	3.83	0.24	0.015	mg/kg dry	3.83	<0.24	99.9	75-125	0.543	20	
Batch B1J1907 - EPA 7471A											
Blank (B1J1907-BLK1)			Prepared & Analyzed: 10/19/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1907-BS1)			Prepared & Analyzed: 10/19/11								
Mercury	0.173	0.10	0.019	mg/kg wet	0.200		86.5	80-120			
LCS Dup (B1J1907-BSD1)			Prepared & Analyzed: 10/19/11								
Mercury	0.189	0.10	0.019	mg/kg wet	0.200		94.5	80-120	8.84	20	
Matrix Spike (B1J1907-MS1)			Source: 1104906-01			Prepared & Analyzed: 10/19/11					
Mercury	0.258	0.11	0.021	mg/kg dry	0.211	<0.11	91.0	75-125			
Matrix Spike Dup (B1J1907-MSD1)			Source: 1104906-01			Prepared & Analyzed: 10/19/11					
Mercury	0.263	0.11	0.021	mg/kg dry	0.210	<0.11	93.8	75-125	1.82	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J2505 - General Preparation												
Duplicate (B1J2505-DUP1)							Source: 1105003-02					Prepared & Analyzed: 10/25/11
% Solids	95.0			%		95.0			0.00	20		
Duplicate (B1J2505-DUP2)							Source: 1105005-02					Prepared & Analyzed: 10/25/11
% Solids	95.0			%		95.0			0.00	20		
Duplicate (B1J2505-DUP3)							Source: 1105031-04					Prepared & Analyzed: 10/25/11
% Solids	89.0			%		99.0			10.6	20		
Duplicate (B1J2505-DUP4)							Source: 1105031-05					Prepared & Analyzed: 10/25/11
% Solids	90.0			%		99.0			9.52	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Blank (B1J1903-BLK1)

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Blank (B1J1903-BLK1)

Prepared & Analyzed: 10/19/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.61			mg/kg wet	6.67		69.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.53			mg/kg wet	6.67		68.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.26			mg/kg wet	6.67		63.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.28			mg/kg wet	6.67		64.1	48.9-100			
Surrogate: Phenol-d6	4.12			mg/kg wet	6.67		61.9	50.4-99.6			
Surrogate: Terphenyl-d14	6.03			mg/kg wet	6.67		90.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

LCS (B1J1903-BS1)

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.11	0.33	0.031	mg/kg wet	6.67		61.6	59.1-87.7			
1,4-Dichlorobenzene	4.01	0.33	0.029	mg/kg wet	6.67		60.1	50.3-72.9			
2,4-Dinitrotoluene	4.72	0.33	0.035	mg/kg wet	6.67		70.8	59.8-82.2			
2-Chlorophenol	4.41	0.67	0.060	mg/kg wet	6.67		66.2	59.7-77.3			
4-Chloro-3-methylphenol	4.47	0.67	0.066	mg/kg wet	6.67		67.0	63.6-80.4			
4-Nitrophenol	4.27	0.67	0.093	mg/kg wet	6.67		64.1	57.3-84.9			
Anthracene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.3-88			
Benzo(a)anthracene	5.48	0.33	0.041	mg/kg wet	6.67		82.3	66.5-90.5			
Benzo(a)pyrene	5.68	0.33	0.042	mg/kg wet	6.67		85.2	66.1-89.7			
Chrysene	5.31	0.33	0.044	mg/kg wet	6.67		79.7	65.5-90.5			
Fluoranthene	5.56	0.33	0.039	mg/kg wet	6.67		83.5	66.7-89.9			
Fluorene	5.20	0.33	0.035	mg/kg wet	6.67		78.0	66.2-85.6			
N-Nitrosodi-n-propylamine	4.22	0.33	0.033	mg/kg wet	6.67		63.3	59.4-78			
Pentachlorophenol	3.34	0.67	0.078	mg/kg wet	6.67		50.1	46.7-83.2			
Phenanthrene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.5-87.9			
Phenol	4.26	0.67	0.069	mg/kg wet	6.67		63.9	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.49			mg/kg wet	6.67		67.4	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.52			mg/kg wet	6.67		67.8	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	3.99			mg/kg wet	6.67		59.9	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.22			mg/kg wet	6.67		63.3	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.36			mg/kg wet	6.67		65.4	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.79			mg/kg wet	6.67		71.9	51-99.6			

Matrix Spike (B1J1903-MS1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.49	0.33	0.031	mg/kg dry	6.82	<0.33	65.8	44.8-97.9			
1,4-Dichlorobenzene	3.99	0.33	0.029	mg/kg dry	6.82	<0.33	58.6	42.3-77.9			
2,4-Dinitrotoluene	5.30	0.33	0.035	mg/kg dry	6.82	<0.33	77.7	57.3-86.6			
2-Chlorophenol	4.25	0.68	0.061	mg/kg dry	6.82	<0.68	62.3	43.3-93.2			
4-Chloro-3-methylphenol	5.11	0.68	0.067	mg/kg dry	6.82	<0.68	74.9	47.1-97.6			
4-Nitrophenol	5.32	0.68	0.094	mg/kg dry	6.82	<0.68	77.9	49.3-96.2			
Anthracene	5.44	0.33	0.036	mg/kg dry	6.82	<0.33	79.7	67.5-93.1			
Benzo(a)anthracene	5.69	0.33	0.041	mg/kg dry	6.82	<0.33	83.4	59.8-95.7			
Benzo(a)pyrene	5.26	0.33	0.042	mg/kg dry	6.82	<0.33	77.1	59.8-92.7			
Chrysene	5.80	0.33	0.044	mg/kg dry	6.82	<0.33	85.0	62.5-94.6			
Fluoranthene	5.27	0.33	0.039	mg/kg dry	6.82	<0.33	77.2	61.3-92.8			
Fluorene	5.13	0.33	0.035	mg/kg dry	6.82	<0.33	75.2	62.8-92.6			
N-Nitrosodi-n-propylamine	4.58	0.33	0.033	mg/kg dry	6.82	<0.33	67.1	46.9-89.9			
Pentachlorophenol	4.07	0.68	0.079	mg/kg dry	6.82	<0.68	59.6	40.1-95.1			
Phenanthrene	5.40	0.33	0.036	mg/kg dry	6.82	<0.33	79.2	65.2-92.2			
Phenol	4.36	0.68	0.070	mg/kg dry	6.82	<0.68	64.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Matrix Spike (B1J1903-MS1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

Surrogate: 2,4,6-Tribromophenol	5.70			mg/kg dry	6.82		83.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.43			mg/kg dry	6.82		64.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.17			mg/kg dry	6.82		61.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.37			mg/kg dry	6.82		64.1	48.9-100			
Surrogate: Phenol-d6	4.59			mg/kg dry	6.82		67.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.91			mg/kg dry	6.82		72.1	51-99.6			

Matrix Spike Dup (B1J1903-MSD1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.02	0.33	0.031	mg/kg dry	6.74	<0.33	59.7	44.8-97.9	11.0	19.6	
1,4-Dichlorobenzene	3.53	0.33	0.029	mg/kg dry	6.74	<0.33	52.3	42.3-77.9	12.4	22.4	
2,4-Dinitrotoluene	5.11	0.33	0.035	mg/kg dry	6.74	<0.33	75.8	57.3-86.6	3.64	19.5	
2-Chlorophenol	3.82	0.68	0.061	mg/kg dry	6.74	<0.68	56.7	43.3-93.2	10.7	23.7	
4-Chloro-3-methylphenol	4.86	0.68	0.067	mg/kg dry	6.74	<0.68	72.1	47.1-97.6	5.03	18.3	
4-Nitrophenol	5.21	0.68	0.094	mg/kg dry	6.74	<0.68	77.3	49.3-96.2	1.99	20.4	
Anthracene	5.28	0.33	0.036	mg/kg dry	6.74	<0.33	78.4	67.5-93.1	2.91	19.9	
Benzo(a)anthracene	5.57	0.33	0.041	mg/kg dry	6.74	<0.33	82.7	59.8-95.7	2.08	23.4	
Benzo(a)pyrene	5.16	0.33	0.042	mg/kg dry	6.74	<0.33	76.6	59.8-92.7	1.88	21.1	
Chrysene	5.69	0.33	0.044	mg/kg dry	6.74	<0.33	84.5	62.5-94.6	1.81	24.8	
Fluoranthene	5.15	0.33	0.039	mg/kg dry	6.74	<0.33	76.5	61.3-92.8	2.21	21.8	
Fluorene	4.90	0.33	0.035	mg/kg dry	6.74	<0.33	72.7	62.8-92.6	4.58	17.6	
N-Nitrosodi-n-propylamine	4.17	0.33	0.033	mg/kg dry	6.74	<0.33	61.9	46.9-89.9	9.23	18.9	
Pentachlorophenol	4.00	0.68	0.079	mg/kg dry	6.74	<0.68	59.4	40.1-95.1	1.54	19.7	
Phenanthrene	5.22	0.33	0.036	mg/kg dry	6.74	<0.33	77.5	65.2-92.2	3.40	20.5	
Phenol	3.97	0.68	0.070	mg/kg dry	6.74	<0.68	59.0	44.7-91	9.39	17.9	
Surrogate: 2,4,6-Tribromophenol	5.50			mg/kg dry	6.74		81.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.13			mg/kg dry	6.74		61.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.68			mg/kg dry	6.74		54.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg dry	6.74		58.3	48.9-100			
Surrogate: Phenol-d6	4.18			mg/kg dry	6.74		62.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.81			mg/kg dry	6.74		71.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2102 - EPA 3545 ASE Extraction

Blank (B1J2102-BLK1)

Prepared & Analyzed: 10/21/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2102 - EPA 3545 ASE Extraction

Blank (B1J2102-BLK1)

Prepared & Analyzed: 10/21/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.24			mg/kg wet	6.67		63.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.67			mg/kg wet	6.67		70.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.21			mg/kg wet	6.67		63.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.49			mg/kg wet	6.67		67.3	48.9-100			
Surrogate: Phenol-d6	4.19			mg/kg wet	6.67		62.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.88			mg/kg wet	6.67		88.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2102 - EPA 3545 ASE Extraction

LCS (B1J2102-BS1)

Prepared & Analyzed: 10/21/11

1,2,4-Trichlorobenzene	4.26	0.33	0.031	mg/kg wet	6.67		63.8	59.1-87.7			
1,4-Dichlorobenzene	3.99	0.33	0.029	mg/kg wet	6.67		59.9	50.3-72.9			
2,4-Dinitrotoluene	4.88	0.33	0.035	mg/kg wet	6.67		73.2	59.8-82.2			
2-Chlorophenol	4.46	0.67	0.060	mg/kg wet	6.67		66.9	59.7-77.3			
4-Chloro-3-methylphenol	4.78	0.67	0.066	mg/kg wet	6.67		71.8	63.6-80.4			
4-Nitrophenol	4.22	0.67	0.093	mg/kg wet	6.67		63.2	57.3-84.9			
Anthracene	5.80	0.33	0.036	mg/kg wet	6.67		87.0	67.3-88			
Benzo(a)anthracene	5.50	0.33	0.041	mg/kg wet	6.67		82.4	66.5-90.5			
Benzo(a)pyrene	5.63	0.33	0.042	mg/kg wet	6.67		84.4	66.1-89.7			
Chrysene	5.45	0.33	0.044	mg/kg wet	6.67		81.7	65.5-90.5			
Fluoranthene	5.63	0.33	0.039	mg/kg wet	6.67		84.5	66.7-89.9			
Fluorene	5.36	0.33	0.035	mg/kg wet	6.67		80.4	66.2-85.6			
N-Nitrosodi-n-propylamine	4.39	0.33	0.033	mg/kg wet	6.67		65.9	59.4-78			
Pentachlorophenol	3.43	0.67	0.078	mg/kg wet	6.67		51.4	46.7-83.2			
Phenanthrene	5.74	0.33	0.036	mg/kg wet	6.67		86.1	67.5-87.9			
Phenol	4.26	0.67	0.069	mg/kg wet	6.67		63.8	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.63			mg/kg wet	6.67		69.4	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.70			mg/kg wet	6.67		70.5	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.07			mg/kg wet	6.67		61.0	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.38			mg/kg wet	6.67		65.7	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.55			mg/kg wet	6.67		68.2	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.89			mg/kg wet	6.67		73.4	51-99.6			

Matrix Spike (B1J2102-MS1)

Source: 1104973-03

Prepared & Analyzed: 10/21/11

1,2,4-Trichlorobenzene	4.69	0.35	0.033	mg/kg dry	7.14	<0.35	65.7	44.8-97.9			
1,4-Dichlorobenzene	4.04	0.35	0.031	mg/kg dry	7.14	<0.35	56.6	42.3-77.9			
2,4-Dinitrotoluene	5.12	0.35	0.037	mg/kg dry	7.14	<0.35	71.7	57.3-86.6			
2-Chlorophenol	4.49	0.71	0.064	mg/kg dry	7.14	<0.71	62.9	43.3-93.2			
4-Chloro-3-methylphenol	4.95	0.71	0.070	mg/kg dry	7.14	<0.71	69.4	47.1-97.6			
4-Nitrophenol	5.27	0.71	0.099	mg/kg dry	7.14	<0.71	73.9	49.3-96.2			
Anthracene	5.30	0.35	0.038	mg/kg dry	7.14	<0.35	73.7	67.5-93.1			
Benzo(a)anthracene	5.46	0.35	0.044	mg/kg dry	7.14	<0.35	74.7	59.8-95.7			
Benzo(a)pyrene	4.96	0.35	0.045	mg/kg dry	7.14	<0.35	68.3	59.8-92.7			
Chrysene	5.63	0.35	0.047	mg/kg dry	7.14	<0.35	77.5	62.5-94.6			
Fluoranthene	5.31	0.35	0.041	mg/kg dry	7.14	<0.35	72.0	61.3-92.8			
Fluorene	4.98	0.35	0.037	mg/kg dry	7.14	<0.35	69.8	62.8-92.6			
N-Nitrosodi-n-propylamine	4.71	0.35	0.035	mg/kg dry	7.14	<0.35	66.0	46.9-89.9			
Pentachlorophenol	4.84	0.71	0.083	mg/kg dry	7.14	<0.71	67.8	40.1-95.1			
Phenanthrene	5.52	0.35	0.038	mg/kg dry	7.14	<0.35	75.2	65.2-92.2			
Phenol	4.42	0.71	0.073	mg/kg dry	7.14	<0.71	61.8	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2102 - EPA 3545 ASE Extraction

Matrix Spike (B1J2102-MS1)

Source: 1104973-03

Prepared & Analyzed: 10/21/11

Surrogate: 2,4,6-Tribromophenol	6.22			mg/kg dry	7.14		87.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.64			mg/kg dry	7.14		65.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.70			mg/kg dry	7.14		65.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.72			mg/kg dry	7.14		66.1	48.9-100			
Surrogate: Phenol-d6	5.24			mg/kg dry	7.14		73.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.82			mg/kg dry	7.14		67.5	51-99.6			

Matrix Spike Dup (B1J2102-MSD1)

Source: 1104973-03

Prepared & Analyzed: 10/21/11

1,2,4-Trichlorobenzene	4.65	0.35	0.033	mg/kg dry	7.09	<0.35	65.5	44.8-97.9	0.989	19.6	
1,4-Dichlorobenzene	3.95	0.35	0.031	mg/kg dry	7.09	<0.35	55.7	42.3-77.9	2.24	22.4	
2,4-Dinitrotoluene	5.32	0.35	0.037	mg/kg dry	7.09	<0.35	75.0	57.3-86.6	3.83	19.5	
2-Chlorophenol	4.53	0.71	0.064	mg/kg dry	7.09	<0.71	63.9	43.3-93.2	0.886	23.7	
4-Chloro-3-methylphenol	5.03	0.71	0.070	mg/kg dry	7.09	<0.71	71.0	47.1-97.6	1.60	18.3	
4-Nitrophenol	5.62	0.71	0.099	mg/kg dry	7.09	<0.71	79.2	49.3-96.2	6.32	20.4	
Anthracene	5.41	0.35	0.038	mg/kg dry	7.09	<0.35	75.7	67.5-93.1	2.02	19.9	
Benzo(a)anthracene	5.54	0.35	0.044	mg/kg dry	7.09	<0.35	76.4	59.8-95.7	1.57	23.4	
Benzo(a)pyrene	5.07	0.35	0.045	mg/kg dry	7.09	<0.35	70.2	59.8-92.7	2.10	21.1	
Chrysene	5.74	0.35	0.047	mg/kg dry	7.09	<0.35	79.4	62.5-94.6	1.83	24.8	
Fluoranthene	5.26	0.35	0.041	mg/kg dry	7.09	<0.35	71.8	61.3-92.8	0.974	21.8	
Fluorene	5.05	0.35	0.037	mg/kg dry	7.09	<0.35	71.2	62.8-92.6	1.27	17.6	
N-Nitrosodi-n-propylamine	4.73	0.35	0.035	mg/kg dry	7.09	<0.35	66.7	46.9-89.9	0.386	18.9	
Pentachlorophenol	5.09	0.71	0.083	mg/kg dry	7.09	<0.71	71.7	40.1-95.1	5.02	19.7	
Phenanthrene	5.51	0.35	0.038	mg/kg dry	7.09	<0.35	75.6	65.2-92.2	0.144	20.5	
Phenol	4.45	0.71	0.073	mg/kg dry	7.09	<0.71	62.7	44.7-91	0.741	17.9	
Surrogate: 2,4,6-Tribromophenol	6.45			mg/kg dry	7.09		90.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.69			mg/kg dry	7.09		66.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.70			mg/kg dry	7.09		66.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.72			mg/kg dry	7.09		66.5	48.9-100			
Surrogate: Phenol-d6	5.29			mg/kg dry	7.09		74.5	50.4-99.6			
Surrogate: Terphenyl-d14	4.96			mg/kg dry	7.09		70.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105001 Date Reported: 10/26/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
BARR 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1105001

Project Number: 23/19-1092.00 48R1 B20
 Project Name: UMore R1 - ABL Line
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: **NO 37170**

Number of Containers/Preservative		COC <u>1</u> of <u>1</u>
Water	Soil	
VOCS (unpreserved) #2	VOCS (tared MeOH) #1	Total Number of Containers
Dissolved Metals (HNO ₃)	GRX, BTEX (tared MeOH) #1	
Total Metals (HNO ₃)	DRO (tared unpreserved)	
General (unpreserved) #3	Metals (unpreserved)	
Diesel Range Organics (HCl)	SVOCs (unpreserved) #2	
Nutrients (H ₂ SO ₄) #4	% Solids (plastic vial, approx.)	

Project Manager: JME
 Project QC Contact: AAN
 Sampled by: KLB
 Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			QC	Total Number of Containers	Notes
						Water	Soil	Grab			
1. CAP-TT20	1	1	ft	10/14/11	0800	X		X		3	RCA Metals
2. CAP-TT14	1	1	↓	↓	0830	Y		Y		2	RCA Metals, SVOCs
3. CAP-TT18	1	1	↓	↓	0845	X		X		2	↓
4. CAP-TT21	1	1	ft	↓	0930	X		X		1	RCA Metals
5.											
6.											
7.											
8.											
9.											
10.											

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRX, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Diazins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
 PP/cust

Relinquished By: <u>Kurt Schipke</u>	On Ice? <u>Y</u>	Date <u>10/17/11</u>	Time <u>1000</u>	Received by: <u>Pete Lander</u>	Date <u>10/17/11</u>	Time <u>1000</u>
Relinquished By: <u>Kyle Lander</u>	On Ice? <u>N</u>	Date <u>10/17/11</u>	Time <u>1630</u>	Received by: <u>Kelly Froeber</u>	Date <u>10/17/11</u>	Time <u>1415</u>
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler				Air Bill Number:		
<input type="checkbox"/> Other:						

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Legend Technical Services, Inc.
 The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 25, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105002
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/17/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

Handwritten signature of Bach Pham in black ink.

Bach Pham
Client Manager I
bpham@legend-group.com

Handwritten signature of Triet Le in black ink.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
U-237B	1105002-01	Soil	10/13/11 10:30	10/17/11 14:15
237G-TT1_0.5-0.5	1105002-02	Soil	10/13/11 10:35	10/17/11 14:15
238B-TT2_0.5-0.5	1105002-03	Soil	10/13/11 11:30	10/17/11 14:15
238B-TT1_3-3	1105002-04	Soil	10/13/11 12:00	10/17/11 14:15

Shipping Container Information

Default Cooler	Temperature (°C):	
Received on ice: Yes	Temperature blank was not present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: Yes		

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-237B (1105002-01) Soil Sampled: 10/13/11 10:30 Received: 10/17/11 14:15										
Arsenic	9.7	0.62	0.069	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Barium	85	1.2	0.075	mg/kg dry	1	"	"	"	"	
Cadmium	0.32	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	23	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	12	1.2	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
237G-TT1_0.5-0.5 (1105002-02) Soil Sampled: 10/13/11 10:35 Received: 10/17/11 14:15										
Arsenic	4.8	0.51	0.056	mg/kg dry	1	B1J1807	10/18/11	10/19/11	EPA 6010B	
Barium	68	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	12	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	26	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1807	10/18/11	10/19/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
238B-TT2_0.5-0.5 (1105002-03) Soil Sampled: 10/13/11 11:30 Received: 10/17/11 14:15										
Arsenic	4.3	0.52	0.057	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Barium	68	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	12	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	12	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
238B-TT1_3-3 (1105002-04) Soil Sampled: 10/13/11 12:00 Received: 10/17/11 14:15										
Arsenic	2.8	0.52	0.057	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Barium	52	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	11	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	4.1	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.090	0.090	0.017	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-237B (1105002-01) Soil Sampled: 10/13/11 10:30 Received: 10/17/11 14:15										
% Solids	80			%	1	B1J2505	10/25/11	10/25/11	% calculation	
237G-TT1_0.5-0.5 (1105002-02) Soil Sampled: 10/13/11 10:35 Received: 10/17/11 14:15										
% Solids	93			%	1	B1J2505	10/25/11	10/25/11	% calculation	
238B-TT2_0.5-0.5 (1105002-03) Soil Sampled: 10/13/11 11:30 Received: 10/17/11 14:15										
% Solids	91			%	1	B1J2505	10/25/11	10/25/11	% calculation	
238B-TT1_3-3 (1105002-04) Soil Sampled: 10/13/11 12:00 Received: 10/17/11 14:15										
% Solids	97			%	1	B1J2505	10/25/11	10/25/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-237B (1105002-01) Soil Sampled: 10/13/11 10:30 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	B1J2102	10/21/11	10/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.84	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.094	0.84	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.075	0.84	0.075	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.84	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.082	0.84	0.082	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.84	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.84	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.1	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-237B (1105002-01) Soil Sampled: 10/13/11 10:30 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	<0.060	0.41	0.060	mg/kg dry	1	B1J2102	10/21/11	10/21/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.050	0.41	0.050	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Phenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	93.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	98.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237G-TT1_0.5-0.5 (1105002-02) Soil Sampled: 10/13/11 10:35 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2102	10/21/11	10/22/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	1.4	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	0.076	0.35	0.042	mg/kg dry	1	"	"	"	"	J
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
237G-TT1_0.5-0.5 (1105002-02) Soil Sampled: 10/13/11 10:35 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1J2102	10/21/11	10/22/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	3.7	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	0.16	0.35	0.028	mg/kg dry	1	"	"	"	"	J
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	82.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	62.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	59.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
238B-TT2_0.5-0.5 (1105002-03) Soil Sampled: 10/13/11 11:30 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J2102	10/21/11	10/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.23	0.36	0.042	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.55	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	1.1	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.79	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	1.0	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.33	0.36	0.047	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
238B-TT2_0.5-0.5 (1105002-03) Soil Sampled: 10/13/11 11:30 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	0.40	0.36	0.053	mg/kg dry	1	B1J2102	10/21/11	10/21/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	0.22	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	0.99	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.10	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.10	0.36	0.036	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.088	0.36	0.048	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	2.2	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	0.24	0.36	0.038	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.39	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	2.0	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	2.0	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	95.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	81.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	91.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
238B-TT1_3-3 (1105002-04) Soil Sampled: 10/13/11 12:00 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J2102	10/21/11	10/22/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
238B-TT1_3-3 (1105002-04) Soil Sampled: 10/13/11 12:00 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J2102	10/21/11	10/22/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	79.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	59.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	59.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	60.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1807 - EPA 3050B

Blank (B1J1807-BLK1)

Prepared & Analyzed: 10/18/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1807-BS1)

Prepared & Analyzed: 10/18/11

Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	42.9	1.0	0.060	mg/kg wet	39.9		107	80-120			
Cadmium	41.6	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	42.1	0.50	0.012	mg/kg wet	39.9		106	80-120			
Lead	42.3	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	41.0	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1J1807-BSD1)

Prepared & Analyzed: 10/18/11

Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120	0.0221	20	
Barium	42.9	1.0	0.060	mg/kg wet	39.9		107	80-120	0.0463	20	
Cadmium	41.5	0.25	0.033	mg/kg wet	39.9		104	80-120	0.0420	20	
Chromium	42.1	0.50	0.012	mg/kg wet	39.9		105	80-120	0.0741	20	
Lead	42.3	1.0	0.14	mg/kg wet	39.9		106	80-120	0.0680	20	
Selenium	41.2	1.0	0.095	mg/kg wet	39.9		103	80-120	0.336	20	
Silver	4.10	0.25	0.016	mg/kg wet	3.99		103	80-120	1.46	20	

Matrix Spike (B1J1807-MS1)

Source: 1105005-07

Prepared & Analyzed: 10/18/11

Arsenic	44.4	0.53	0.059	mg/kg dry	40.6	3.00	102	75-125			
Barium	74.0	1.1	0.064	mg/kg dry	40.6	31.0	106	75-125			
Cadmium	41.7	0.27	0.035	mg/kg dry	40.6	0.294	102	75-125			
Chromium	49.3	0.53	0.013	mg/kg dry	40.6	9.12	98.9	75-125			
Lead	53.6	1.1	0.15	mg/kg dry	40.6	14.4	96.7	75-125			
Selenium	40.8	1.1	0.10	mg/kg dry	40.6	<1.1	101	75-125			
Silver	4.05	0.27	0.017	mg/kg dry	4.06	<0.27	99.8	75-125			

Matrix Spike Dup (B1J1807-MSD1)

Source: 1105005-07

Prepared & Analyzed: 10/18/11

Arsenic	44.5	0.53	0.059	mg/kg dry	40.8	3.00	102	75-125	0.193	20	
Barium	72.2	1.1	0.064	mg/kg dry	40.8	31.0	101	75-125	2.54	20	
Cadmium	42.3	0.27	0.035	mg/kg dry	40.8	0.294	103	75-125	1.30	20	
Chromium	51.1	0.53	0.013	mg/kg dry	40.8	9.12	103	75-125	3.73	20	
Lead	54.0	1.1	0.15	mg/kg dry	40.8	14.4	97.1	75-125	0.622	20	
Selenium	41.3	1.1	0.10	mg/kg dry	40.8	<1.1	101	75-125	1.26	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1807 - EPA 3050B											
Matrix Spike Dup (B1J1807-MSD1)			Source: 1105005-07			Prepared & Analyzed: 10/18/11					
Silver	4.16	0.27	0.017	mg/kg dry	4.08	<0.27	102	75-125	2.67	20	
Batch B1J1912 - EPA 7471A											
Blank (B1J1912-BLK1)			Prepared: 10/19/11 Analyzed: 10/24/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1912-BS1)			Prepared: 10/19/11 Analyzed: 10/24/11								
Mercury	0.191	0.10	0.019	mg/kg wet	0.200		95.5	80-120			
LCS Dup (B1J1912-BSD1)			Prepared: 10/19/11 Analyzed: 10/24/11								
Mercury	0.201	0.10	0.019	mg/kg wet	0.200		100	80-120	5.10	20	
Matrix Spike (B1J1912-MS1)			Source: 1105002-02			Prepared: 10/19/11 Analyzed: 10/24/11					
Mercury	0.224	0.10	0.019	mg/kg dry	0.201	<0.10	112	75-125			
Matrix Spike Dup (B1J1912-MSD1)			Source: 1105002-02			Prepared: 10/19/11 Analyzed: 10/24/11					
Mercury	0.231	0.11	0.020	mg/kg dry	0.205	<0.11	112	75-125	2.99	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J2505 - General Preparation												
Duplicate (B1J2505-DUP1)							Source: 1105003-02					Prepared & Analyzed: 10/25/11
% Solids	95.0			%		95.0			0.00	20		
Duplicate (B1J2505-DUP2)							Source: 1105005-02					Prepared & Analyzed: 10/25/11
% Solids	95.0			%		95.0			0.00	20		
Duplicate (B1J2505-DUP3)							Source: 1105031-04					Prepared & Analyzed: 10/25/11
% Solids	89.0			%		99.0			10.6	20		
Duplicate (B1J2505-DUP4)							Source: 1105031-05					Prepared & Analyzed: 10/25/11
% Solids	90.0			%		99.0			9.52	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2102 - EPA 3545 ASE Extraction

Blank (B1J2102-BLK1)

Prepared & Analyzed: 10/21/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2102 - EPA 3545 ASE Extraction

Blank (B1J2102-BLK1)

Prepared & Analyzed: 10/21/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.24			mg/kg wet	6.67		63.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.67			mg/kg wet	6.67		70.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.21			mg/kg wet	6.67		63.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.49			mg/kg wet	6.67		67.3	48.9-100			
Surrogate: Phenol-d6	4.19			mg/kg wet	6.67		62.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.88			mg/kg wet	6.67		88.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2102 - EPA 3545 ASE Extraction

LCS (B1J2102-BS1)

Prepared & Analyzed: 10/21/11

1,2,4-Trichlorobenzene	4.26	0.33	0.031	mg/kg wet	6.67		63.8	59.1-87.7			
1,4-Dichlorobenzene	3.99	0.33	0.029	mg/kg wet	6.67		59.9	50.3-72.9			
2,4-Dinitrotoluene	4.88	0.33	0.035	mg/kg wet	6.67		73.2	59.8-82.2			
2-Chlorophenol	4.46	0.67	0.060	mg/kg wet	6.67		66.9	59.7-77.3			
4-Chloro-3-methylphenol	4.78	0.67	0.066	mg/kg wet	6.67		71.8	63.6-80.4			
4-Nitrophenol	4.22	0.67	0.093	mg/kg wet	6.67		63.2	57.3-84.9			
Anthracene	5.80	0.33	0.036	mg/kg wet	6.67		87.0	67.3-88			
Benzo(a)anthracene	5.50	0.33	0.041	mg/kg wet	6.67		82.4	66.5-90.5			
Benzo(a)pyrene	5.63	0.33	0.042	mg/kg wet	6.67		84.4	66.1-89.7			
Chrysene	5.45	0.33	0.044	mg/kg wet	6.67		81.7	65.5-90.5			
Fluoranthene	5.63	0.33	0.039	mg/kg wet	6.67		84.5	66.7-89.9			
Fluorene	5.36	0.33	0.035	mg/kg wet	6.67		80.4	66.2-85.6			
N-Nitrosodi-n-propylamine	4.39	0.33	0.033	mg/kg wet	6.67		65.9	59.4-78			
Pentachlorophenol	3.43	0.67	0.078	mg/kg wet	6.67		51.4	46.7-83.2			
Phenanthrene	5.74	0.33	0.036	mg/kg wet	6.67		86.1	67.5-87.9			
Phenol	4.26	0.67	0.069	mg/kg wet	6.67		63.8	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.63			mg/kg wet	6.67		69.4	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.70			mg/kg wet	6.67		70.5	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.07			mg/kg wet	6.67		61.0	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.38			mg/kg wet	6.67		65.7	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.55			mg/kg wet	6.67		68.2	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.89			mg/kg wet	6.67		73.4	51-99.6			

Matrix Spike (B1J2102-MS1)

Source: 1104973-03

Prepared & Analyzed: 10/21/11

1,2,4-Trichlorobenzene	4.69	0.35	0.033	mg/kg dry	7.14	<0.35	65.7	44.8-97.9			
1,4-Dichlorobenzene	4.04	0.35	0.031	mg/kg dry	7.14	<0.35	56.6	42.3-77.9			
2,4-Dinitrotoluene	5.12	0.35	0.037	mg/kg dry	7.14	<0.35	71.7	57.3-86.6			
2-Chlorophenol	4.49	0.71	0.064	mg/kg dry	7.14	<0.71	62.9	43.3-93.2			
4-Chloro-3-methylphenol	4.95	0.71	0.070	mg/kg dry	7.14	<0.71	69.4	47.1-97.6			
4-Nitrophenol	5.27	0.71	0.099	mg/kg dry	7.14	<0.71	73.9	49.3-96.2			
Anthracene	5.30	0.35	0.038	mg/kg dry	7.14	<0.35	73.7	67.5-93.1			
Benzo(a)anthracene	5.46	0.35	0.044	mg/kg dry	7.14	<0.35	74.7	59.8-95.7			
Benzo(a)pyrene	4.96	0.35	0.045	mg/kg dry	7.14	<0.35	68.3	59.8-92.7			
Chrysene	5.63	0.35	0.047	mg/kg dry	7.14	<0.35	77.5	62.5-94.6			
Fluoranthene	5.31	0.35	0.041	mg/kg dry	7.14	<0.35	72.0	61.3-92.8			
Fluorene	4.98	0.35	0.037	mg/kg dry	7.14	<0.35	69.8	62.8-92.6			
N-Nitrosodi-n-propylamine	4.71	0.35	0.035	mg/kg dry	7.14	<0.35	66.0	46.9-89.9			
Pentachlorophenol	4.84	0.71	0.083	mg/kg dry	7.14	<0.71	67.8	40.1-95.1			
Phenanthrene	5.52	0.35	0.038	mg/kg dry	7.14	<0.35	75.2	65.2-92.2			
Phenol	4.42	0.71	0.073	mg/kg dry	7.14	<0.71	61.8	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2102 - EPA 3545 ASE Extraction

Matrix Spike (B1J2102-MS1)

Source: 1104973-03

Prepared & Analyzed: 10/21/11

Surrogate: 2,4,6-Tribromophenol	6.22			mg/kg dry	7.14		87.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.64			mg/kg dry	7.14		65.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.70			mg/kg dry	7.14		65.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.72			mg/kg dry	7.14		66.1	48.9-100			
Surrogate: Phenol-d6	5.24			mg/kg dry	7.14		73.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.82			mg/kg dry	7.14		67.5	51-99.6			

Matrix Spike Dup (B1J2102-MSD1)

Source: 1104973-03

Prepared & Analyzed: 10/21/11

1,2,4-Trichlorobenzene	4.65	0.35	0.033	mg/kg dry	7.09	<0.35	65.5	44.8-97.9	0.989	19.6	
1,4-Dichlorobenzene	3.95	0.35	0.031	mg/kg dry	7.09	<0.35	55.7	42.3-77.9	2.24	22.4	
2,4-Dinitrotoluene	5.32	0.35	0.037	mg/kg dry	7.09	<0.35	75.0	57.3-86.6	3.83	19.5	
2-Chlorophenol	4.53	0.71	0.064	mg/kg dry	7.09	<0.71	63.9	43.3-93.2	0.886	23.7	
4-Chloro-3-methylphenol	5.03	0.71	0.070	mg/kg dry	7.09	<0.71	71.0	47.1-97.6	1.60	18.3	
4-Nitrophenol	5.62	0.71	0.099	mg/kg dry	7.09	<0.71	79.2	49.3-96.2	6.32	20.4	
Anthracene	5.41	0.35	0.038	mg/kg dry	7.09	<0.35	75.7	67.5-93.1	2.02	19.9	
Benzo(a)anthracene	5.54	0.35	0.044	mg/kg dry	7.09	<0.35	76.4	59.8-95.7	1.57	23.4	
Benzo(a)pyrene	5.07	0.35	0.045	mg/kg dry	7.09	<0.35	70.2	59.8-92.7	2.10	21.1	
Chrysene	5.74	0.35	0.047	mg/kg dry	7.09	<0.35	79.4	62.5-94.6	1.83	24.8	
Fluoranthene	5.26	0.35	0.041	mg/kg dry	7.09	<0.35	71.8	61.3-92.8	0.974	21.8	
Fluorene	5.05	0.35	0.037	mg/kg dry	7.09	<0.35	71.2	62.8-92.6	1.27	17.6	
N-Nitrosodi-n-propylamine	4.73	0.35	0.035	mg/kg dry	7.09	<0.35	66.7	46.9-89.9	0.386	18.9	
Pentachlorophenol	5.09	0.71	0.083	mg/kg dry	7.09	<0.71	71.7	40.1-95.1	5.02	19.7	
Phenanthrene	5.51	0.35	0.038	mg/kg dry	7.09	<0.35	75.6	65.2-92.2	0.144	20.5	
Phenol	4.45	0.71	0.073	mg/kg dry	7.09	<0.71	62.7	44.7-91	0.741	17.9	
Surrogate: 2,4,6-Tribromophenol	6.45			mg/kg dry	7.09		90.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.69			mg/kg dry	7.09		66.2	53.9-97.9			
Surrogate: 2-Fluorophenol	4.70			mg/kg dry	7.09		66.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.72			mg/kg dry	7.09		66.5	48.9-100			
Surrogate: Phenol-d6	5.29			mg/kg dry	7.09		74.5	50.4-99.6			
Surrogate: Terphenyl-d14	4.96			mg/kg dry	7.09		70.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105002 Date Reported: 10/25/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
J	Parameter was present between the MDL and RL and should be considered an estimated value
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 28, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105003
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/17/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "T-LE", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
716A-SS2_0.5-0.5	1105003-01	Soil	10/14/11 10:00	10/17/11 14:15
716A-SS3_0.5-0.5	1105003-02	Soil	10/14/11 10:15	10/17/11 14:15
716A-SS4_0.5-0.5	1105003-03	Soil	10/14/11 10:30	10/17/11 14:15
716A-SS5_0.5-0.5	1105003-04	Soil	10/14/11 10:45	10/17/11 14:15
217A-SS1_0.5-0.5	1105003-05	Soil	10/14/11 12:00	10/17/11 14:15
217A-SS2_0.5-0.5	1105003-06	Soil	10/14/11 12:10	10/17/11 14:15
217A-SS3_0.5-0.5	1105003-07	Soil	10/14/11 12:20	10/17/11 14:15
217A-SS4_0.5-0.5	1105003-08	Soil	10/14/11 12:50	10/17/11 14:15
217A-SS5_0.5-0.5	1105003-09	Soil	10/14/11 13:00	10/17/11 14:15
217A-SS6_0.5-0.5	1105003-10	Soil	10/14/11 13:15	10/17/11 14:15
FB-2	1105003-11	Water	10/14/11 00:00	10/17/11 14:15
FB-3	1105003-12	Water	10/14/11 00:00	10/17/11 14:15

Shipping Container Information

Default Cooler

Temperature (°C):

Received on ice: Yes
 Received on melt water: No
 Custody seals: Yes

Temperature blank was not present
 Ambient: No

Received on ice pack: No
 Acceptable (IH/ISO only): No

Case Narrative:

An LCS/LCSD/MS was prepared and analyzed for 8270 SVOC water batch B1J1806 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

An LCS/LCSD was prepared and analyzed for 8082 water batch B1J2114 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

Recoveries of the 8082 surrogate decachlorobiphenyl, surrogate tetrachloro-meta-xylene, and Aroclor 1260 in the batch B1J2406 MSD and the corresponding %RPD were outside laboratory acceptance limits. Recoveries of the surrogates and spike were within limits in the LCS/MS. The source sample was sample 716A-SS3_0.5-0.5.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-SS3_0.5-0.5 (1105003-07) Soil Sampled: 10/14/11 12:20 Received: 10/17/11 14:15										
Arsenic	6.3	0.57	0.063	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Barium	110	1.1	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	18	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	14	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
217A-SS4_0.5-0.5 (1105003-08) Soil Sampled: 10/14/11 12:50 Received: 10/17/11 14:15										
Arsenic	6.0	0.56	0.061	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
217A-SS5_0.5-0.5 (1105003-09) Soil Sampled: 10/14/11 13:00 Received: 10/17/11 14:15										
Arsenic	4.8	0.54	0.059	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
217A-SS6_0.5-0.5 (1105003-10) Soil Sampled: 10/14/11 13:15 Received: 10/17/11 14:15										
Arsenic	10	0.54	0.060	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
FB-3 (1105003-12) Water Sampled: 10/14/11 00:00 Received: 10/17/11 14:15										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1J1803	10/18/11	10/18/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1J2006	10/20/11	10/20/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1J1803	10/18/11	10/18/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
716A-SS2_0.5-0.5 (1105003-01) Soil Sampled: 10/14/11 10:00 Received: 10/17/11 14:15										
Aroclor 1016	<0.21	0.21	0.0083	mg/kg dry	1	B1J2406	10/24/11	10/25/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1260	1.3	0.42	0.012	mg/kg dry	2	"	"	10/27/11	"	
Surrogate: Decachlorobiphenyl	87.5			65.3-143 %		"	"	10/25/11	"	
Surrogate: Tetrachloro-meta-xylene	92.5			60.9-138 %		"	"	"	"	
716A-SS3_0.5-0.5 (1105003-02) Soil Sampled: 10/14/11 10:15 Received: 10/17/11 14:15										
Aroclor 1016	<0.21	0.21	0.0083	mg/kg dry	1	B1J2406	10/24/11	10/25/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1260	0.32	0.21	0.0062	mg/kg dry	1	"	"	"	"	M2, QR-04
Surrogate: Decachlorobiphenyl	86.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	93.5			60.9-138 %		"	"	"	"	
716A-SS4_0.5-0.5 (1105003-03) Soil Sampled: 10/14/11 10:30 Received: 10/17/11 14:15										
Aroclor 1016	<0.22	0.22	0.0085	mg/kg dry	1	B1J2406	10/24/11	10/25/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.22	0.22	0.0063	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	86.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	91.0			60.9-138 %		"	"	"	"	
716A-SS5_0.5-0.5 (1105003-04) Soil Sampled: 10/14/11 10:45 Received: 10/17/11 14:15										
Aroclor 1016	<0.21	0.21	0.0084	mg/kg dry	1	B1J2406	10/24/11	10/25/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0063	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	88.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	100			60.9-138 %		"	"	"	"	

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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-2 (1105003-11) Water Sampled: 10/14/11 00:00 Received: 10/17/11 14:15										
Aroclor 1016	<1.9	1.9	0.25	ug/L	1	B1J2114	10/21/11	10/25/11	EPA 8082	
Aroclor 1221	<1.9	1.9	0.47	ug/L	1	"	"	"	"	
Aroclor 1232	<1.9	1.9	0.21	ug/L	1	"	"	"	"	
Aroclor 1242	<1.9	1.9	0.18	ug/L	1	"	"	"	"	
Aroclor 1248	<1.9	1.9	0.26	ug/L	1	"	"	"	"	
Aroclor 1254	<1.9	1.9	0.40	ug/L	1	"	"	"	"	
Aroclor 1260	<1.9	1.9	0.16	ug/L	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	85.0			65.6-114 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	71.0			58.9-107 %		"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
716A-SS2_0.5-0.5 (1105003-01) Soil	Sampled: 10/14/11 10:00		Received: 10/17/11 14:15							
% Solids	95			%	1	B1J2505	10/25/11	10/25/11	% calculation	
716A-SS3_0.5-0.5 (1105003-02) Soil	Sampled: 10/14/11 10:15		Received: 10/17/11 14:15							
% Solids	95			%	1	B1J2505	10/25/11	10/25/11	% calculation	
716A-SS4_0.5-0.5 (1105003-03) Soil	Sampled: 10/14/11 10:30		Received: 10/17/11 14:15							
% Solids	93			%	1	B1J2505	10/25/11	10/25/11	% calculation	
716A-SS5_0.5-0.5 (1105003-04) Soil	Sampled: 10/14/11 10:45		Received: 10/17/11 14:15							
% Solids	94			%	1	B1J2505	10/25/11	10/25/11	% calculation	
217A-SS1_0.5-0.5 (1105003-05) Soil	Sampled: 10/14/11 12:00		Received: 10/17/11 14:15							
% Solids	91			%	1	B1J2505	10/25/11	10/25/11	% calculation	
217A-SS2_0.5-0.5 (1105003-06) Soil	Sampled: 10/14/11 12:10		Received: 10/17/11 14:15							
% Solids	94			%	1	B1J2505	10/25/11	10/25/11	% calculation	
217A-SS3_0.5-0.5 (1105003-07) Soil	Sampled: 10/14/11 12:20		Received: 10/17/11 14:15							
% Solids	87			%	1	B1J2505	10/25/11	10/25/11	% calculation	
217A-SS4_0.5-0.5 (1105003-08) Soil	Sampled: 10/14/11 12:50		Received: 10/17/11 14:15							
% Solids	90			%	1	B1J2505	10/25/11	10/25/11	% calculation	
217A-SS5_0.5-0.5 (1105003-09) Soil	Sampled: 10/14/11 13:00		Received: 10/17/11 14:15							
% Solids	93			%	1	B1J2505	10/25/11	10/25/11	% calculation	
217A-SS6_0.5-0.5 (1105003-10) Soil	Sampled: 10/14/11 13:15		Received: 10/17/11 14:15							
% Solids	92			%	1	B1J2505	10/25/11	10/25/11	% calculation	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-SS1_0.5-0.5 (1105003-05) Soil Sampled: 10/14/11 12:00 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.064	0.36	0.040	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.26	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.23	0.36	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.31	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.17	0.36	0.047	mg/kg dry	1	"	"	"	"	J

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-SS1_0.5-0.5 (1105003-05) Soil Sampled: 10/14/11 12:00 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	0.13	0.36	0.053	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	J
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	0.056	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	0.29	0.36	0.048	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.58	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.18	0.36	0.044	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.38	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	0.51	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	85.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	67.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	75.7			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-SS2_0.5-0.5 (1105003-06) Soil Sampled: 10/14/11 12:10 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.064	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.058	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-SS2_0.5-0.5 (1105003-06) Soil Sampled: 10/14/11 12:10 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.057	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.10	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.070	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	0.098	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	91.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	95.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-SS3_0.5-0.5 (1105003-07) Soil Sampled: 10/14/11 12:20 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	0.086	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.27	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.20	0.38	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.30	0.38	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.10	0.38	0.049	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-SS3_0.5-0.5 (1105003-07) Soil Sampled: 10/14/11 12:20 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	0.11	0.38	0.055	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	J
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.29	0.38	0.051	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.47	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.12	0.38	0.046	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	1.0	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.28	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	0.44	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	74.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	70.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-SS4_0.5-0.5 (1105003-08) Soil Sampled: 10/14/11 12:50 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.52	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	3.1	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	7.3	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	11	3.7	0.46	mg/kg dry	10	"	"	10/25/11	"	
Benzo(a)pyrene	9.7	0.37	0.047	mg/kg dry	1	"	"	10/25/11	"	
Benzo(b)fluoranthene	9.2	3.7	0.48	mg/kg dry	10	"	"	10/25/11	"	
Benzo(g,h,i)perylene	3.2	0.37	0.048	mg/kg dry	1	"	"	10/25/11	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-SS4_0.5-0.5 (1105003-08) Soil Sampled: 10/14/11 12:50 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	4.2	0.37	0.053	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	3.0	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	11	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	1.0	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	1.5	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	23	3.7	0.43	mg/kg dry	10	"	"	10/25/11	"	
Fluorene	3.2	0.37	0.039	mg/kg dry	1	"	"	10/25/11	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	3.9	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	0.84	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	22	3.7	0.40	mg/kg dry	10	"	"	10/25/11	"	
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	10/25/11	"	
Pyrene	19	3.7	0.46	mg/kg dry	10	"	"	10/25/11	"	
Surrogate: 2,4,6-Tribromophenol	92.4			53-107 %		"	"	10/25/11	"	
Surrogate: 2-Fluorobiphenyl	81.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-SS5_0.5-0.5 (1105003-09) Soil Sampled: 10/14/11 13:00 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.088	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	0.30	0.35	0.039	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	1.3	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.99	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	1.2	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.46	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-SS5_0.5-0.5 (1105003-09) Soil Sampled: 10/14/11 13:00 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	0.52	0.35	0.052	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	0.13	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	1.3	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.15	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.039	0.35	0.035	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.060	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	2.2	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	0.083	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.53	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	1.2	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	1.9	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	91.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	66.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	81.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-SS6_0.5-0.5 (1105003-10) Soil Sampled: 10/14/11 13:15 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.63	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	3.2	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	8.9	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	15	3.6	0.45	mg/kg dry	10	"	"	10/25/11	"	
Benzo(a)pyrene	11	3.6	0.46	mg/kg dry	10	"	"	"	"	
Benzo(b)fluoranthene	13	3.6	0.47	mg/kg dry	10	"	"	"	"	
Benzo(g,h,i)perylene	3.9	0.36	0.047	mg/kg dry	1	"	"	10/25/11	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
217A-SS6_0.5-0.5 (1105003-10) Soil Sampled: 10/14/11 13:15 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	5.3	0.36	0.052	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	2.7	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	14	3.6	0.48	mg/kg dry	10	"	"	10/25/11	"	
Dibenz(a,h)anthracene	1.4	0.36	0.047	mg/kg dry	1	"	"	10/25/11	"	
Dibenzofuran	2.0	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.11	0.36	0.048	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	28	3.6	0.42	mg/kg dry	10	"	"	10/25/11	"	
Fluorene	4.1	0.36	0.038	mg/kg dry	1	"	"	10/25/11	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	4.9	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	0.54	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	24	3.6	0.39	mg/kg dry	10	"	"	10/25/11	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	10/25/11	"	
Pyrene	23	3.6	0.45	mg/kg dry	10	"	"	10/25/11	"	
Surrogate: 2,4,6-Tribromophenol	81.9			53-107 %		"	"	10/25/11	"	
Surrogate: 2-Fluorobiphenyl	75.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	65.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	61.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-3 (1105003-12) Water Sampled: 10/14/11 00:00 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1J1806	10/18/11	10/18/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-3 (1105003-12) Water Sampled: 10/14/11 00:00 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1J1806	10/18/11	10/18/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	T-1
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	82.6			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.7			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.2			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.1			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	58.6			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.3			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1803 - EPA 200.7/3005A Digestion

Blank (B1J1803-BLK1)

Prepared & Analyzed: 10/18/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1J1803-BS1)

Prepared & Analyzed: 10/18/11

Arsenic	0.410	0.010	0.0011	mg/L	0.399		103	80-120			
Barium	0.434	0.020	0.0012	mg/L	0.399		109	80-120			
Cadmium	0.428	0.0010	0.00013	mg/L	0.399		107	80-120			
Chromium	0.431	0.010	0.00024	mg/L	0.399		108	80-120			
Lead	0.431	0.0030	0.00042	mg/L	0.399		108	80-120			
Selenium	0.414	0.020	0.0019	mg/L	0.399		104	80-120			
Silver	0.0416	0.0050	0.00031	mg/L	0.0399		104	80-120			

LCS Dup (B1J1803-BSD1)

Prepared & Analyzed: 10/18/11

Arsenic	0.405	0.010	0.0011	mg/L	0.399		102	80-120	1.22	20	
Barium	0.434	0.020	0.0012	mg/L	0.399		109	80-120	0.0827	20	
Cadmium	0.424	0.0010	0.00013	mg/L	0.399		106	80-120	0.801	20	
Chromium	0.427	0.010	0.00024	mg/L	0.399		107	80-120	0.936	20	
Lead	0.426	0.0030	0.00042	mg/L	0.399		107	80-120	1.08	20	
Selenium	0.411	0.020	0.0019	mg/L	0.399		103	80-120	0.566	20	
Silver	0.0419	0.0050	0.00031	mg/L	0.0399		105	80-120	0.699	20	

Matrix Spike (B1J1803-MS1)

Source: 1105005-08

Prepared & Analyzed: 10/18/11

Arsenic	0.410	0.010	0.0011	mg/L	0.399	<0.010	103	75-125			
Barium	0.434	0.020	0.0012	mg/L	0.399	<0.020	109	75-125			
Cadmium	0.425	0.0010	0.00013	mg/L	0.399	<0.0010	106	75-125			
Chromium	0.430	0.010	0.00024	mg/L	0.399	<0.010	108	75-125			
Lead	0.430	0.0030	0.00042	mg/L	0.399	<0.0030	108	75-125			
Selenium	0.408	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0419	0.0050	0.00031	mg/L	0.0399	<0.0050	104	75-125			

Matrix Spike Dup (B1J1803-MSD1)

Source: 1105005-08

Prepared & Analyzed: 10/18/11

Arsenic	0.410	0.010	0.0011	mg/L	0.399	<0.010	103	75-125	0.00391	20	
Barium	0.437	0.020	0.0012	mg/L	0.399	<0.020	109	75-125	0.741	20	
Cadmium	0.420	0.0010	0.00013	mg/L	0.399	<0.0010	105	75-125	1.06	20	
Chromium	0.430	0.010	0.00024	mg/L	0.399	<0.010	108	75-125	0.0612	20	
Lead	0.429	0.0030	0.00042	mg/L	0.399	<0.0030	107	75-125	0.188	20	
Selenium	0.412	0.020	0.0019	mg/L	0.399	<0.020	103	75-125	1.08	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1803 - EPA 200.7/3005A Digestion

Matrix Spike Dup (B1J1803-MSD1)

Source: 1105005-08

Prepared & Analyzed: 10/18/11

Silver	0.0420	0.0050	0.00031	mg/L	0.0399	<0.0050	104	75-125	0.371	20	
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Batch B1J1807 - EPA 3050B

Blank (B1J1807-BLK1)

Prepared & Analyzed: 10/18/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1807-BS1)

Prepared & Analyzed: 10/18/11

Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	42.9	1.0	0.060	mg/kg wet	39.9		107	80-120			
Cadmium	41.6	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	42.1	0.50	0.012	mg/kg wet	39.9		106	80-120			
Lead	42.3	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	41.0	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1J1807-BSD1)

Prepared & Analyzed: 10/18/11

Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120	0.0221	20	
Barium	42.9	1.0	0.060	mg/kg wet	39.9		107	80-120	0.0463	20	
Cadmium	41.5	0.25	0.033	mg/kg wet	39.9		104	80-120	0.0420	20	
Chromium	42.1	0.50	0.012	mg/kg wet	39.9		105	80-120	0.0741	20	
Lead	42.3	1.0	0.14	mg/kg wet	39.9		106	80-120	0.0680	20	
Selenium	41.2	1.0	0.095	mg/kg wet	39.9		103	80-120	0.336	20	
Silver	4.10	0.25	0.016	mg/kg wet	3.99		103	80-120	1.46	20	

Matrix Spike (B1J1807-MS1)

Source: 1105005-07

Prepared & Analyzed: 10/18/11

Arsenic	44.4	0.53	0.059	mg/kg dry	40.6	3.00	102	75-125			
Barium	74.0	1.1	0.064	mg/kg dry	40.6	31.0	106	75-125			
Cadmium	41.7	0.27	0.035	mg/kg dry	40.6	0.294	102	75-125			
Chromium	49.3	0.53	0.013	mg/kg dry	40.6	9.12	98.9	75-125			
Lead	53.6	1.1	0.15	mg/kg dry	40.6	14.4	96.7	75-125			
Selenium	40.8	1.1	0.10	mg/kg dry	40.6	<1.1	101	75-125			
Silver	4.05	0.27	0.017	mg/kg dry	4.06	<0.27	99.8	75-125			

Matrix Spike Dup (B1J1807-MSD1)

Source: 1105005-07

Prepared & Analyzed: 10/18/11

Arsenic	44.5	0.53	0.059	mg/kg dry	40.8	3.00	102	75-125	0.193	20	
Barium	72.2	1.1	0.064	mg/kg dry	40.8	31.0	101	75-125	2.54	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1807 - EPA 3050B											
Matrix Spike Dup (B1J1807-MSD1)		Source: 1105005-07			Prepared & Analyzed: 10/18/11						
Cadmium	42.3	0.27	0.035	mg/kg dry	40.8	0.294	103	75-125	1.30	20	
Chromium	51.1	0.53	0.013	mg/kg dry	40.8	9.12	103	75-125	3.73	20	
Lead	54.0	1.1	0.15	mg/kg dry	40.8	14.4	97.1	75-125	0.622	20	
Selenium	41.3	1.1	0.10	mg/kg dry	40.8	<1.1	101	75-125	1.26	20	
Silver	4.16	0.27	0.017	mg/kg dry	4.08	<0.27	102	75-125	2.67	20	
Batch B1J1912 - EPA 7471A											
Blank (B1J1912-BLK1)		Prepared: 10/19/11 Analyzed: 10/24/11									
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1912-BS1)		Prepared: 10/19/11 Analyzed: 10/24/11									
Mercury	0.191	0.10	0.019	mg/kg wet	0.200		95.5	80-120			
LCS Dup (B1J1912-BSD1)		Prepared: 10/19/11 Analyzed: 10/24/11									
Mercury	0.201	0.10	0.019	mg/kg wet	0.200		100	80-120	5.10	20	
Matrix Spike (B1J1912-MS1)		Source: 1105002-02			Prepared: 10/19/11 Analyzed: 10/24/11						
Mercury	0.224	0.10	0.019	mg/kg dry	0.201	<0.10	112	75-125			
Matrix Spike Dup (B1J1912-MSD1)		Source: 1105002-02			Prepared: 10/19/11 Analyzed: 10/24/11						
Mercury	0.231	0.11	0.020	mg/kg dry	0.205	<0.11	112	75-125	2.99	20	
Batch B1J2006 - EPA 245.1/7470A Digestion											
Blank (B1J2006-BLK1)		Prepared & Analyzed: 10/20/11									
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1J2006-BS1)		Prepared & Analyzed: 10/20/11									
Mercury	0.00181	0.00020	0.000037	mg/L	0.00200		90.5	80-120			
LCS Dup (B1J2006-BSD1)		Prepared & Analyzed: 10/20/11									
Mercury	0.00179	0.00020	0.000037	mg/L	0.00200		89.5	80-120	1.11	20	
Matrix Spike (B1J2006-MS1)		Source: 1104973-07			Prepared & Analyzed: 10/20/11						
Mercury	0.00197	0.00020	0.000037	mg/L	0.00200	<0.00020	98.5	75-125			
Matrix Spike Dup (B1J2006-MSD1)		Source: 1104973-07			Prepared & Analyzed: 10/20/11						
Mercury	0.00178	0.00020	0.000037	mg/L	0.00200	<0.00020	89.0	75-125	10.1	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2114 - EPA 3510C (Sep Funnel)											
Blank (B1J2114-BLK1) Prepared: 10/21/11 Analyzed: 10/24/11											
Aroclor 1016	< 2.0	2.0	0.27	ug/L							
Aroclor 1221	< 2.0	2.0	0.51	ug/L							
Aroclor 1232	< 2.0	2.0	0.23	ug/L							
Aroclor 1242	< 2.0	2.0	0.19	ug/L							
Aroclor 1248	< 2.0	2.0	0.28	ug/L							
Aroclor 1254	< 2.0	2.0	0.43	ug/L							
Aroclor 1260	< 2.0	2.0	0.17	ug/L							
Surrogate: Decachlorobiphenyl	0.890			ug/L	1.00		89.0	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.695			ug/L	1.00		69.5	58.9-107			
LCS (B1J2114-BS1) Prepared: 10/21/11 Analyzed: 10/24/11											
Aroclor 1260	5.60	2.0	0.17	ug/L	5.00		112	70-130			
Surrogate: Decachlorobiphenyl	1.08			ug/L	1.00		108	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.935			ug/L	1.00		93.5	58.9-107			
LCS Dup (B1J2114-BSD1) Prepared: 10/21/11 Analyzed: 10/24/11 Q9, QM-10											
Aroclor 1260	4.60	2.0	0.17	ug/L	5.00		92.1	70-130	19.4	20	
Surrogate: Decachlorobiphenyl	0.880			ug/L	1.00		88.0	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.640			ug/L	1.00		64.0	58.9-107			
Batch B1J2406 - EPA 3545 ASE Extraction											
Blank (B1J2406-BLK1) Prepared: 10/24/11 Analyzed: 10/25/11											
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0553			mg/kg wet	0.0667		83.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0560			mg/kg wet	0.0667		84.0	60.9-138			
LCS (B1J2406-BS1) Prepared: 10/24/11 Analyzed: 10/25/11											
Aroclor 1260	0.318	0.20	0.0059	mg/kg wet	0.333		95.3	70-130			
Surrogate: Decachlorobiphenyl	0.0577			mg/kg wet	0.0667		86.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0570			mg/kg wet	0.0667		85.5	60.9-138			
Matrix Spike (B1J2406-MS1) Source: 1105003-02 Prepared: 10/24/11 Analyzed: 10/25/11											
Aroclor 1260	0.672	0.21	0.0062	mg/kg dry	0.358	0.324	97.2	70-130			
Surrogate: Decachlorobiphenyl	0.0655			mg/kg dry	0.0716		91.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0687			mg/kg dry	0.0716		96.0	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2406 - EPA 3545 ASE Extraction											
Matrix Spike Dup (B1J2406-MSD1)											
			Source: 1105003-02			Prepared: 10/24/11		Analyzed: 10/25/11			
Aroclor 1260	0.397	0.21	0.0062	mg/kg dry	0.351	0.324	20.9	70-130	51.3	17.2	M2, QR-04
Surrogate: Decachlorobiphenyl	0.0386			mg/kg dry	0.0703		55.0	65.3-143			S-02
Surrogate: Tetrachloro-meta-xylene	0.0379			mg/kg dry	0.0703		54.0	60.9-138			S-02

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2505 - General Preparation											
Duplicate (B1J2505-DUP1)											
% Solids	95.0			%		95.0			0.00	20	
Duplicate (B1J2505-DUP2)											
% Solids	95.0			%		95.0			0.00	20	
Duplicate (B1J2505-DUP3)											
% Solids	89.0			%		99.0			10.6	20	
Duplicate (B1J2505-DUP4)											
% Solids	90.0			%		99.0			9.52	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

Blank (B1J1806-BLK1)

Prepared & Analyzed: 10/18/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

Blank (B1J1806-BLK1)

Prepared & Analyzed: 10/18/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	86.3			ug/L	100		86.3	30-122			
Surrogate: 2-Fluorobiphenyl	71.0			ug/L	100		71.0	39.2-104			
Surrogate: 2-Fluorophenol	68.1			ug/L	100		68.1	30-80.1			
Surrogate: Nitrobenzene-d5	74.6			ug/L	100		74.6	51.2-103			
Surrogate: Phenol-d6	67.4			ug/L	100		67.4	30-75.3			
Surrogate: Terphenyl-d14	70.6			ug/L	100		70.6	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

LCS (B1J1806-BS1)

Prepared: 10/18/11 Analyzed: 10/19/11

1,2,4-Trichlorobenzene	69.0	10	0.30	ug/L	100		69.0	47.4-88.7			
1,4-Dichlorobenzene	69.8	10	0.29	ug/L	100		69.8	39.5-81			
2,4-Dinitrotoluene	88.5	10	0.45	ug/L	100		88.5	67.2-99.3			
2-Chlorophenol	72.8	10	0.39	ug/L	100		72.8	56.5-85.9			
4-Chloro-3-methylphenol	81.7	10	0.48	ug/L	100		81.7	62.1-98.2			
4-Nitrophenol	77.6	10	0.78	ug/L	100		77.6	40.5-98.5			
Anthracene	86.7	10	0.56	ug/L	100		86.7	70.6-95.3			
Benzo(a)anthracene	92.8	10	0.50	ug/L	100		92.8	73.7-96.6			
Benzo(a)pyrene	85.7	10	0.41	ug/L	100		85.7	70.9-92.6			
Chrysene	94.7	10	0.61	ug/L	100		94.7	71.8-97.5			
Fluoranthene	82.5	10	0.61	ug/L	100		82.5	73.6-96.8			
Fluorene	78.0	10	0.52	ug/L	100		78.0	69.3-93.3			
N-Nitrosodi-n-propylamine	76.3	10	0.25	ug/L	100		76.3	65.9-89.3			
Pentachlorophenol	84.4	10	0.90	ug/L	100		84.4	55-107			
Phenanthrene	88.3	10	0.35	ug/L	100		88.3	72.5-97.6			
Phenol	63.9	10	0.41	ug/L	100		63.9	34.1-71.6			
Surrogate: 2,4,6-Tribromophenol	90.4			ug/L	100		90.4	30-122			
Surrogate: 2-Fluorobiphenyl	70.5			ug/L	100		70.5	39.2-104			
Surrogate: 2-Fluorophenol	68.8			ug/L	100		68.8	30-80.1			
Surrogate: Nitrobenzene-d5	74.6			ug/L	100		74.6	51.2-103			
Surrogate: Phenol-d6	65.6			ug/L	100		65.6	30-75.3			
Surrogate: Terphenyl-d14	77.6			ug/L	100		77.6	30-116			

LCS Dup (B1J1806-BSD1)

Prepared: 10/18/11 Analyzed: 10/19/11

Q9, QM-10

1,2,4-Trichlorobenzene	67.9	10	0.30	ug/L	100		67.9	47.4-88.7	1.64	20	
1,4-Dichlorobenzene	69.4	10	0.29	ug/L	100		69.4	39.5-81	0.601	20	
2,4-Dinitrotoluene	87.2	10	0.45	ug/L	100		87.2	67.2-99.3	1.46	20	
2-Chlorophenol	70.8	10	0.39	ug/L	100		70.8	56.5-85.9	2.73	20	
4-Chloro-3-methylphenol	81.3	10	0.48	ug/L	100		81.3	62.1-98.2	0.381	20	
4-Nitrophenol	76.7	10	0.78	ug/L	100		76.7	40.5-98.5	1.25	20	
Anthracene	85.6	10	0.56	ug/L	100		85.6	70.6-95.3	1.26	20	
Benzo(a)anthracene	92.0	10	0.50	ug/L	100		92.0	73.7-96.6	0.919	20	
Benzo(a)pyrene	85.0	10	0.41	ug/L	100		85.0	70.9-92.6	0.887	20	
Chrysene	95.1	10	0.61	ug/L	100		95.1	71.8-97.5	0.384	20	
Fluoranthene	82.4	10	0.61	ug/L	100		82.4	73.6-96.8	0.102	20	
Fluorene	77.7	10	0.52	ug/L	100		77.7	69.3-93.3	0.435	20	
N-Nitrosodi-n-propylamine	76.7	10	0.25	ug/L	100		76.7	65.9-89.3	0.443	20	
Pentachlorophenol	80.2	10	0.90	ug/L	100		80.2	55-107	5.05	20	
Phenanthrene	87.3	10	0.35	ug/L	100		87.3	72.5-97.6	1.12	20	
Phenol	63.8	10	0.41	ug/L	100		63.8	34.1-71.6	0.148	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1806 - EPA 3510C (Sep Funnel)

LCS Dup (B1J1806-BSD1)

Prepared: 10/18/11 Analyzed: 10/19/11

Q9, QM-10

Surrogate: 2,4,6-Tribromophenol	87.9			ug/L	100		87.9	30-122			
Surrogate: 2-Fluorobiphenyl	69.9			ug/L	100		69.9	39.2-104			
Surrogate: 2-Fluorophenol	68.0			ug/L	100		68.0	30-80.1			
Surrogate: Nitrobenzene-d5	74.1			ug/L	100		74.1	51.2-103			
Surrogate: Phenol-d6	65.4			ug/L	100		65.4	30-75.3			
Surrogate: Terphenyl-d14	76.3			ug/L	100		76.3	30-116			

Matrix Spike (B1J1806-MS1)

Source: 1104924-01

Prepared: 10/18/11 Analyzed: 10/19/11

1,2,4-Trichlorobenzene	65.2	10	0.30	ug/L	101	<10	64.5	39.2-90.6			
1,4-Dichlorobenzene	64.1	10	0.29	ug/L	101	<10	62.4	34.1-81.6			
2,4-Dinitrotoluene	80.1	10	0.45	ug/L	101	<10	79.3	41.1-110			
2-Chlorophenol	68.3	10	0.39	ug/L	101	<10	67.6	30-96.4			
4-Chloro-3-methylphenol	64.7	10	0.48	ug/L	101	<10	64.0	30-113			
4-Nitrophenol	82.6	10	0.78	ug/L	101	<10	81.8	30-112			
Anthracene	75.5	10	0.56	ug/L	101	<10	74.7	30-119			
Benzo(a)anthracene	72.8	10	0.50	ug/L	101	<10	72.1	30-122			
Benzo(a)pyrene	71.3	10	0.41	ug/L	101	<10	70.6	30-118			
Chrysene	76.7	10	0.61	ug/L	101	<10	76.0	30-125			
Fluoranthene	68.6	10	0.61	ug/L	101	<10	67.9	31.6-119			
Fluorene	67.9	10	0.52	ug/L	101	<10	67.3	40.8-107			
N-Nitrosodi-n-propylamine	69.5	10	0.25	ug/L	101	<10	68.8	47.2-94.8			
Pentachlorophenol	84.5	10	0.90	ug/L	101	<10	83.6	30-130			
Phenanthrene	78.9	10	0.35	ug/L	101	<10	78.2	38.2-117			
Phenol	64.6	10	0.41	ug/L	101	<10	58.6	30-80			
Surrogate: 2,4,6-Tribromophenol	83.9			ug/L	101		83.0	30-122			
Surrogate: 2-Fluorobiphenyl	65.4			ug/L	101		64.8	39.2-104			
Surrogate: 2-Fluorophenol	61.3			ug/L	101		60.7	30-80.1			
Surrogate: Nitrobenzene-d5	69.6			ug/L	101		68.9	51.2-103			
Surrogate: Phenol-d6	60.4			ug/L	101		59.8	30-75.3			
Surrogate: Terphenyl-d14	42.8			ug/L	101		42.4	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Blank (B1J2404-BLK1)

Prepared & Analyzed: 10/24/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Blank (B1J2404-BLK1)

Prepared & Analyzed: 10/24/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.52			mg/kg wet	6.67		67.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.28			mg/kg wet	6.67		64.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.15			mg/kg wet	6.67		62.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg wet	6.67		59.0	48.9-100			
Surrogate: Phenol-d6	4.02			mg/kg wet	6.67		60.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.65			mg/kg wet	6.67		84.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

LCS (B1J2404-BS1)

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	3.98	0.33	0.031	mg/kg wet	6.67		59.8	59.1-87.7			
1,4-Dichlorobenzene	3.72	0.33	0.029	mg/kg wet	6.67		55.9	50.3-72.9			
2,4-Dinitrotoluene	4.64	0.33	0.035	mg/kg wet	6.67		69.7	59.8-82.2			
2-Chlorophenol	4.54	0.67	0.060	mg/kg wet	6.67		68.1	59.7-77.3			
4-Chloro-3-methylphenol	4.74	0.67	0.066	mg/kg wet	6.67		71.2	63.6-80.4			
4-Nitrophenol	5.06	0.67	0.093	mg/kg wet	6.67		75.8	57.3-84.9			
Anthracene	5.18	0.33	0.036	mg/kg wet	6.67		77.8	67.3-88			
Benzo(a)anthracene	4.98	0.33	0.041	mg/kg wet	6.67		74.7	66.5-90.5			
Benzo(a)pyrene	4.97	0.33	0.042	mg/kg wet	6.67		74.6	66.1-89.7			
Chrysene	5.04	0.33	0.044	mg/kg wet	6.67		75.6	65.5-90.5			
Fluoranthene	5.17	0.33	0.039	mg/kg wet	6.67		77.5	66.7-89.9			
Fluorene	4.65	0.33	0.035	mg/kg wet	6.67		69.8	66.2-85.6			
N-Nitrosodi-n-propylamine	4.12	0.33	0.033	mg/kg wet	6.67		61.8	59.4-78			
Pentachlorophenol	4.57	0.67	0.078	mg/kg wet	6.67		68.6	46.7-83.2			
Phenanthrene	5.09	0.33	0.036	mg/kg wet	6.67		76.4	67.5-87.9			
Phenol	4.40	0.67	0.069	mg/kg wet	6.67		65.9	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.92			mg/kg wet	6.67		73.8	53-107			
Surrogate: 2-Fluorobiphenyl	4.45			mg/kg wet	6.67		66.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.16			mg/kg wet	6.67		62.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.98			mg/kg wet	6.67		59.7	48.9-100			
Surrogate: Phenol-d6	4.49			mg/kg wet	6.67		67.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.36			mg/kg wet	6.67		65.4	51-99.6			

Matrix Spike (B1J2404-MS1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.50	0.38	0.036	mg/kg dry	7.76	<0.38	58.0	44.8-97.9			
1,4-Dichlorobenzene	3.93	0.38	0.033	mg/kg dry	7.76	<0.38	50.7	42.3-77.9			
2,4-Dinitrotoluene	5.62	0.38	0.040	mg/kg dry	7.76	<0.38	72.4	57.3-86.6			
2-Chlorophenol	4.97	0.77	0.069	mg/kg dry	7.76	<0.77	64.1	43.3-93.2			
4-Chloro-3-methylphenol	5.52	0.77	0.076	mg/kg dry	7.76	<0.77	71.1	47.1-97.6			
4-Nitrophenol	6.28	0.77	0.11	mg/kg dry	7.76	<0.77	81.0	49.3-96.2			
Anthracene	6.39	0.38	0.041	mg/kg dry	7.76	<0.38	81.3	67.5-93.1			
Benzo(a)anthracene	6.50	0.38	0.047	mg/kg dry	7.76	<0.38	80.2	59.8-95.7			
Benzo(a)pyrene	6.41	0.38	0.048	mg/kg dry	7.76	<0.38	80.0	59.8-92.7			
Chrysene	6.58	0.38	0.051	mg/kg dry	7.76	<0.38	81.0	62.5-94.6			
Fluoranthene	6.93	0.38	0.045	mg/kg dry	7.76	0.471	83.2	61.3-92.8			
Fluorene	5.61	0.38	0.040	mg/kg dry	7.76	<0.38	72.3	62.8-92.6			
N-Nitrosodi-n-propylamine	4.91	0.38	0.038	mg/kg dry	7.76	<0.38	63.2	46.9-89.9			
Pentachlorophenol	7.30	0.77	0.090	mg/kg dry	7.76	1.00	81.1	40.1-95.1			
Phenanthrene	6.55	0.38	0.041	mg/kg dry	7.76	<0.38	80.9	65.2-92.2			
Phenol	4.83	0.77	0.079	mg/kg dry	7.76	<0.77	62.2	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Matrix Spike (B1J2404-MS1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

Surrogate: 2,4,6-Tribromophenol	6.60			mg/kg dry	7.76		85.1	53-107			
Surrogate: 2-Fluorobiphenyl	5.41			mg/kg dry	7.76		69.7	53.9-97.9			
Surrogate: 2-Fluorophenol	5.06			mg/kg dry	7.76		65.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.57			mg/kg dry	7.76		58.8	48.9-100			
Surrogate: Phenol-d6	5.38			mg/kg dry	7.76		69.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.59			mg/kg dry	7.76		72.1	51-99.6			

Matrix Spike Dup (B1J2404-MSD1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	5.19	0.38	0.036	mg/kg dry	7.78	<0.38	66.7	44.8-97.9	14.3	19.6	
1,4-Dichlorobenzene	4.61	0.38	0.033	mg/kg dry	7.78	<0.38	59.3	42.3-77.9	15.9	22.4	
2,4-Dinitrotoluene	5.39	0.38	0.040	mg/kg dry	7.78	<0.38	69.3	57.3-86.6	4.12	19.5	
2-Chlorophenol	5.42	0.77	0.069	mg/kg dry	7.78	<0.77	69.6	43.3-93.2	8.57	23.7	
4-Chloro-3-methylphenol	5.76	0.77	0.076	mg/kg dry	7.78	<0.77	74.1	47.1-97.6	4.25	18.3	
4-Nitrophenol	6.10	0.77	0.11	mg/kg dry	7.78	<0.77	78.5	49.3-96.2	2.94	20.4	
Anthracene	6.21	0.38	0.041	mg/kg dry	7.78	<0.38	78.7	67.5-93.1	2.94	19.9	
Benzo(a)anthracene	6.08	0.38	0.047	mg/kg dry	7.78	<0.38	74.6	59.8-95.7	6.74	23.4	
Benzo(a)pyrene	5.98	0.38	0.048	mg/kg dry	7.78	<0.38	74.4	59.8-92.7	6.93	21.1	
Chrysene	6.10	0.38	0.051	mg/kg dry	7.78	<0.38	74.8	62.5-94.6	7.51	24.8	
Fluoranthene	6.54	0.38	0.045	mg/kg dry	7.78	0.471	78.0	61.3-92.8	5.80	21.8	
Fluorene	5.81	0.38	0.040	mg/kg dry	7.78	<0.38	74.7	62.8-92.6	3.49	17.6	
N-Nitrosodi-n-propylamine	5.10	0.38	0.038	mg/kg dry	7.78	<0.38	65.6	46.9-89.9	3.86	18.9	
Pentachlorophenol	6.69	0.77	0.090	mg/kg dry	7.78	1.00	73.1	40.1-95.1	8.63	19.7	
Phenanthrene	6.39	0.38	0.041	mg/kg dry	7.78	<0.38	78.6	65.2-92.2	2.55	20.5	
Phenol	5.15	0.77	0.079	mg/kg dry	7.78	<0.77	66.2	44.7-91	6.41	17.9	
Surrogate: 2,4,6-Tribromophenol	6.47			mg/kg dry	7.78		83.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.85			mg/kg dry	7.78		75.2	53.9-97.9			
Surrogate: 2-Fluorophenol	5.49			mg/kg dry	7.78		70.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.20			mg/kg dry	7.78		66.8	48.9-100			
Surrogate: Phenol-d6	5.73			mg/kg dry	7.78		73.6	50.4-99.6			
Surrogate: Terphenyl-d14	5.10			mg/kg dry	7.78		65.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105003 Date Reported: 10/28/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
S-02	Surrogate recovery outside of laboratory acceptance limits.
QR-04	The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-10	LCS/LCSD were analyzed in place of MS/MSD.
Q9	Insufficient sample received to meet method QC requirements.
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 2319-1092 488E 820
Project Name: Union East RE-ABC line
Sample Origin State: MN (use two letter postal state abbreviation)
CDC Number: **NO 37385**

1105063

COC 1 of 2
Project Manager: JME
Project QC Contact: AAV
Sampled by: ANN/SABZ
Laboratory: Legend

Location	Start Depth (ft)	Stop Depth (ft)	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Ice?	Date	Time	Received by:	Date	Time
						Water	Soil						
1. T16A-552	0.5	0.5	ft	10/14/2011	10:00	X	X	N	10/17/11	1000	Vita Landa	10/17/11	1000
2. T16A-553					10:15	X	X	N					
3. T16A-554					10:30	X	X	N					
4. T16A-555					10:45	X	X	N					
5. T17A-551					12:00	X	X	N					
6. T17A-552					12:10	X	X	N					
7. T17A-553					12:20	X	X	N					
8. T17A-554					12:50	X	X	N					
9. T17A-555					13:00	X	X	N					
10. T17A-556					13:15	X	X	N					

Number of Containers/Preservative

Water	Soil
VOCS (unpreserved) #2	X X
Dissolved Metals (HNO ₃)	X X
Total Metals (HNO ₃)	X X
General (unpreserved) #3	X X
Diesel Range Organics (HCl)	X X
Nutrients (H ₂ SO ₄) #4	X X
VOCS (tared MeOH) #1	X X
GRX, BTEX (tared MeOH) #1	X X
Metal (unpreserved) #2	X X
SVOCs (unpreserved) #2	X X
% Solids (plastic vial, unpres.)	X X

Received by: Vita Landa Date: 10/17/11 Time: 1000
Requested by: Vita Landa Date: 10/17/11 Time: 1630
Samples Shipped VIA: Air Freight, Federal Express Other: Hand Carried
Air Bill Number: 1105063

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GRX, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Solids
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

1105003

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR

Project Number: 2319-1092 U9RE 820
Project Name: Umea East Rd - ABC Lne
Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: **NO 37386**

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	On Ice?	Date	Relinquished By	Time	Received By	Time	Dpc	Time	
						Soil	Water										
1. FB-2	--	--	--	10/14/2011	--	X		OC	<input checked="" type="checkbox"/>	10/11/11	Mike Anderson	10:00	Pete Anderson	10/17/11	1000		
2. FB-3	--	--	--		--	X		OC	<input checked="" type="checkbox"/>	10/11/11	Mike Anderson	10:30	Kelly Pecker	10/17/11	1415		
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Number of Containers/Preservative

Water	Soil
VOCS (HCl) #1	
SVOCs (unpreserved) #2	
Dissolved Metals (HNO ₃)	
Total Metals (HNO ₃)	
General (unpreserved) #3	
Diesel Range Organics (HCl)	
Nutrients (H ₂ SO ₄) #4	
VOCS (Tared MeOH) #1	
GRX, BTEX (Tared MeOH) #3	
DRO (Tared unpreserved)	
Metals (unpreserved)	
SVOCs (unpreserved) #3	
% Solids (plastic vial unpres.)	
Total Number Of Containers	1

Project Manager: JME
Project QC Contact: AAN
Sampled by: ADVSQJZ
Laboratory: Legend
Analyze for PCBs
Analyze for SVOCs

Relinquished By: Mike Anderson Date: 10/11/11 On Ice? N
Relinquished By: Mike Anderson Date: 10/17/11 On Ice? N
Samples Shipped Via: Air Freight Federal Express Other: **Nextnet**

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GRX, TPH, 6860 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 25, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105004
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/17/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "Bach Pham", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "Triet Le", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
617A-SS5_0.5-0.5	1105004-01	Soil	10/14/11 13:30	10/17/11 14:15
617A-SS6_0.5-0.5	1105004-02	Soil	10/14/11 13:40	10/17/11 14:15
617A-SS7_0.5-0.5	1105004-03	Soil	10/14/11 13:50	10/17/11 14:15
617A-SS8_0.5-0.5	1105004-04	Soil	10/14/11 14:00	10/17/11 14:15
M-1	1105004-05	Soil	10/14/11 00:00	10/17/11 14:15

Shipping Container Information

Default Cooler	Temperature (°C):	
Received on ice: Yes	Temperature blank was not present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: Yes		

Case Narrative:

Di-n-butylphthalate was detected in the method blank between the MDL and RL for 8270 batch B1J2001. Samples with di-n-butylphthalate detections less than or equal to 10 times the blank contamination are qualified.

Recovery for 8270 matrix spike compound phenanthrene was above laboratory limits in the batch B1J2001MSD. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS/MS.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-SS5_0.5-0.5 (1105004-01) Soil Sampled: 10/14/11 13:30 Received: 10/17/11 14:15										
Arsenic	5.4	0.58	0.064	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Barium	150	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	15	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	14	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
617A-SS6_0.5-0.5 (1105004-02) Soil Sampled: 10/14/11 13:40 Received: 10/17/11 14:15										
Arsenic	3.2	0.54	0.060	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Barium	59	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	11	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	5.4	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.099	0.099	0.019	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
617A-SS7_0.5-0.5 (1105004-03) Soil Sampled: 10/14/11 13:50 Received: 10/17/11 14:15										
Arsenic	2.3	0.54	0.059	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Barium	47	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	11	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	5.0	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
617A-SS8_0.5-0.5 (1105004-04) Soil Sampled: 10/14/11 14:00 Received: 10/17/11 14:15										
Arsenic	4.5	0.60	0.065	mg/kg dry	1	B1J1807	10/18/11	10/19/11	EPA 6010B	
Barium	80	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.039	mg/kg dry	1	"	"	"	"	
Chromium	15	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	14	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J1807	10/18/11	10/19/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
M-1 (1105004-05) Soil Sampled: 10/14/11 00:00 Received: 10/17/11 14:15										
Arsenic	2.4	0.53	0.059	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1105004-05) Soil Sampled: 10/14/11 00:00 Received: 10/17/11 14:15										
Barium	45	1.1	0.064	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	9.5	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	4.7	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-SS5_0.5-0.5 (1105004-01) Soil Sampled: 10/14/11 13:30 Received: 10/17/11 14:15										
% Solids	86			%	1	B1J2412	10/24/11	10/24/11	% calculation	
617A-SS6_0.5-0.5 (1105004-02) Soil Sampled: 10/14/11 13:40 Received: 10/17/11 14:15										
% Solids	92			%	1	B1J2412	10/24/11	10/24/11	% calculation	
617A-SS7_0.5-0.5 (1105004-03) Soil Sampled: 10/14/11 13:50 Received: 10/17/11 14:15										
% Solids	93			%	1	B1J2412	10/24/11	10/24/11	% calculation	
617A-SS8_0.5-0.5 (1105004-04) Soil Sampled: 10/14/11 14:00 Received: 10/17/11 14:15										
% Solids	84			%	1	B1J2412	10/24/11	10/24/11	% calculation	
M-1 (1105004-05) Soil Sampled: 10/14/11 00:00 Received: 10/17/11 14:15										
% Solids	94			%	1	B1J2412	10/24/11	10/24/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-SS7_0.5-0.5 (1105004-03) Soil Sampled: 10/14/11 13:50 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2001	10/20/11	10/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-SS7_0.5-0.5 (1105004-03) Soil Sampled: 10/14/11 13:50 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1J2001	10/20/11	10/21/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	78.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	72.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	67.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	85.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1105004-05) Soil Sampled: 10/14/11 00:00 Received: 10/17/11 14:15										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2001	10/20/11	10/21/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1105004-05) Soil Sampled: 10/14/11 00:00 Received: 10/17/11 14:15										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J2001	10/20/11	10/21/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	73.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1807 - EPA 3050B

Blank (B1J1807-BLK1)

Prepared & Analyzed: 10/18/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1807-BS1)

Prepared & Analyzed: 10/18/11

Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	42.9	1.0	0.060	mg/kg wet	39.9		107	80-120			
Cadmium	41.6	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	42.1	0.50	0.012	mg/kg wet	39.9		106	80-120			
Lead	42.3	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	41.0	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1J1807-BSD1)

Prepared & Analyzed: 10/18/11

Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120	0.0221	20	
Barium	42.9	1.0	0.060	mg/kg wet	39.9		107	80-120	0.0463	20	
Cadmium	41.5	0.25	0.033	mg/kg wet	39.9		104	80-120	0.0420	20	
Chromium	42.1	0.50	0.012	mg/kg wet	39.9		105	80-120	0.0741	20	
Lead	42.3	1.0	0.14	mg/kg wet	39.9		106	80-120	0.0680	20	
Selenium	41.2	1.0	0.095	mg/kg wet	39.9		103	80-120	0.336	20	
Silver	4.10	0.25	0.016	mg/kg wet	3.99		103	80-120	1.46	20	

Matrix Spike (B1J1807-MS1)

Source: 1105005-07

Prepared & Analyzed: 10/18/11

Arsenic	44.4	0.53	0.059	mg/kg dry	40.6	3.00	102	75-125			
Barium	74.0	1.1	0.064	mg/kg dry	40.6	31.0	106	75-125			
Cadmium	41.7	0.27	0.035	mg/kg dry	40.6	0.294	102	75-125			
Chromium	49.3	0.53	0.013	mg/kg dry	40.6	9.12	98.9	75-125			
Lead	53.6	1.1	0.15	mg/kg dry	40.6	14.4	96.7	75-125			
Selenium	40.8	1.1	0.10	mg/kg dry	40.6	<1.1	101	75-125			
Silver	4.05	0.27	0.017	mg/kg dry	4.06	<0.27	99.8	75-125			

Matrix Spike Dup (B1J1807-MSD1)

Source: 1105005-07

Prepared & Analyzed: 10/18/11

Arsenic	44.5	0.53	0.059	mg/kg dry	40.8	3.00	102	75-125	0.193	20	
Barium	72.2	1.1	0.064	mg/kg dry	40.8	31.0	101	75-125	2.54	20	
Cadmium	42.3	0.27	0.035	mg/kg dry	40.8	0.294	103	75-125	1.30	20	
Chromium	51.1	0.53	0.013	mg/kg dry	40.8	9.12	103	75-125	3.73	20	
Lead	54.0	1.1	0.15	mg/kg dry	40.8	14.4	97.1	75-125	0.622	20	
Selenium	41.3	1.1	0.10	mg/kg dry	40.8	<1.1	101	75-125	1.26	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1807 - EPA 3050B											
Matrix Spike Dup (B1J1807-MSD1)			Source: 1105005-07			Prepared & Analyzed: 10/18/11					
Silver	4.16	0.27	0.017	mg/kg dry	4.08	<0.27	102	75-125	2.67	20	
Batch B1J1912 - EPA 7471A											
Blank (B1J1912-BLK1)			Prepared: 10/19/11 Analyzed: 10/24/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1912-BS1)			Prepared: 10/19/11 Analyzed: 10/24/11								
Mercury	0.191	0.10	0.019	mg/kg wet	0.200		95.5	80-120			
LCS Dup (B1J1912-BSD1)			Prepared: 10/19/11 Analyzed: 10/24/11								
Mercury	0.201	0.10	0.019	mg/kg wet	0.200		100	80-120	5.10	20	
Matrix Spike (B1J1912-MS1)			Source: 1105002-02			Prepared: 10/19/11 Analyzed: 10/24/11					
Mercury	0.224	0.10	0.019	mg/kg dry	0.201	<0.10	112	75-125			
Matrix Spike Dup (B1J1912-MSD1)			Source: 1105002-02			Prepared: 10/19/11 Analyzed: 10/24/11					
Mercury	0.231	0.11	0.020	mg/kg dry	0.205	<0.11	112	75-125	2.99	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J2412 - General Preparation												
Duplicate (B1J2412-DUP1)							Source: 1105048-05					Prepared & Analyzed: 10/24/11
% Solids	97.0			%		97.0			0.00	20		
Duplicate (B1J2412-DUP2)							Source: 1105105-09					Prepared & Analyzed: 10/24/11
% Solids	90.0			%		91.0			1.10	20		
Duplicate (B1J2412-DUP3)							Source: 1105139-08					Prepared & Analyzed: 10/24/11
% Solids	92.0			%		92.0			0.00	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2001 - EPA 3545 ASE Extraction

Blank (B1J2001-BLK1)

Prepared & Analyzed: 10/20/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2001 - EPA 3545 ASE Extraction

Blank (B1J2001-BLK1)

Prepared & Analyzed: 10/20/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	0.0506	0.33	0.044	mg/kg wet							B-02, J
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.79			mg/kg wet	6.67		71.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.68			mg/kg wet	6.67		70.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.25			mg/kg wet	6.67		63.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.50			mg/kg wet	6.67		67.4	48.9-100			
Surrogate: Phenol-d6	4.31			mg/kg wet	6.67		64.6	50.4-99.6			
Surrogate: Terphenyl-d14	6.29			mg/kg wet	6.67		94.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2001 - EPA 3545 ASE Extraction

LCS (B1J2001-BS1)

Prepared & Analyzed: 10/20/11

1,2,4-Trichlorobenzene	4.41	0.33	0.031	mg/kg wet	6.67		66.1	59.1-87.7			
1,4-Dichlorobenzene	3.88	0.33	0.029	mg/kg wet	6.67		58.2	50.3-72.9			
2,4-Dinitrotoluene	5.12	0.33	0.035	mg/kg wet	6.67		76.8	59.8-82.2			
2-Chlorophenol	4.19	0.67	0.060	mg/kg wet	6.67		62.9	59.7-77.3			
4-Chloro-3-methylphenol	4.91	0.67	0.066	mg/kg wet	6.67		73.6	63.6-80.4			
4-Nitrophenol	5.55	0.67	0.093	mg/kg wet	6.67		83.2	57.3-84.9			
Anthracene	5.27	0.33	0.036	mg/kg wet	6.67		79.1	67.3-88			
Benzo(a)anthracene	5.57	0.33	0.041	mg/kg wet	6.67		83.6	66.5-90.5			
Benzo(a)pyrene	5.08	0.33	0.042	mg/kg wet	6.67		76.2	66.1-89.7			
Chrysene	5.69	0.33	0.044	mg/kg wet	6.67		85.3	65.5-90.5			
Fluoranthene	5.11	0.33	0.039	mg/kg wet	6.67		76.7	66.7-89.9			
Fluorene	5.03	0.33	0.035	mg/kg wet	6.67		75.4	66.2-85.6			
N-Nitrosodi-n-propylamine	4.49	0.33	0.033	mg/kg wet	6.67		67.3	59.4-78			
Pentachlorophenol	4.28	0.67	0.078	mg/kg wet	6.67		64.2	46.7-83.2			
Phenanthrene	5.23	0.33	0.036	mg/kg wet	6.67		78.5	67.5-87.9			
Phenol	4.20	0.67	0.069	mg/kg wet	6.67		63.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.60			mg/kg wet	6.67		84.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.27			mg/kg wet	6.67		64.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.10			mg/kg wet	6.67		61.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.30			mg/kg wet	6.67		64.6	48.9-100			
Surrogate: Phenol-d6	4.67			mg/kg wet	6.67		70.1	50.4-99.6			
Surrogate: Terphenyl-d14	4.91			mg/kg wet	6.67		73.7	51-99.6			

Matrix Spike (B1J2001-MS1)

Source: 1104970-15

Prepared & Analyzed: 10/20/11

1,2,4-Trichlorobenzene	5.19	0.37	0.035	mg/kg dry	7.58	<0.37	68.5	44.8-97.9			
1,4-Dichlorobenzene	4.74	0.37	0.033	mg/kg dry	7.58	<0.37	62.6	42.3-77.9			
2,4-Dinitrotoluene	5.50	0.37	0.039	mg/kg dry	7.58	<0.37	72.6	57.3-86.6			
2-Chlorophenol	5.59	0.75	0.067	mg/kg dry	7.58	<0.75	73.8	43.3-93.2			
4-Chloro-3-methylphenol	6.00	0.75	0.074	mg/kg dry	7.58	<0.75	79.2	47.1-97.6			
4-Nitrophenol	5.48	0.75	0.10	mg/kg dry	7.58	<0.75	72.3	49.3-96.2			
Anthracene	6.84	0.37	0.040	mg/kg dry	7.58	0.621	82.0	67.5-93.1			
Benzo(a)anthracene	6.61	0.37	0.046	mg/kg dry	7.58	0.898	75.4	59.8-95.7			
Benzo(a)pyrene	6.65	0.37	0.047	mg/kg dry	7.58	0.630	79.5	59.8-92.7			
Chrysene	6.32	0.37	0.049	mg/kg dry	7.58	0.890	71.6	62.5-94.6			
Fluoranthene	7.80	0.37	0.044	mg/kg dry	7.58	2.11	75.2	61.3-92.8			
Fluorene	6.24	0.37	0.039	mg/kg dry	7.58	<0.37	77.6	62.8-92.6			
N-Nitrosodi-n-propylamine	5.24	0.37	0.037	mg/kg dry	7.58	<0.37	69.2	46.9-89.9			
Pentachlorophenol	5.53	0.75	0.088	mg/kg dry	7.58	<0.75	73.0	40.1-95.1			
Phenanthrene	8.29	0.37	0.040	mg/kg dry	7.58	2.34	78.5	65.2-92.2			
Phenol	5.29	0.75	0.078	mg/kg dry	7.58	<0.75	69.8	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2001 - EPA 3545 ASE Extraction

Matrix Spike (B1J2001-MS1)

Source: 1104970-15

Prepared & Analyzed: 10/20/11

Surrogate: 2,4,6-Tribromophenol	6.28			mg/kg dry	7.58		82.9	53-107			
Surrogate: 2-Fluorobiphenyl	5.70			mg/kg dry	7.58		75.2	53.9-97.9			
Surrogate: 2-Fluorophenol	5.17			mg/kg dry	7.58		68.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.31			mg/kg dry	7.58		70.0	48.9-100			
Surrogate: Phenol-d6	5.64			mg/kg dry	7.58		74.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.37			mg/kg dry	7.58		70.8	51-99.6			

Matrix Spike Dup (B1J2001-MSD1)

Source: 1104970-15

Prepared & Analyzed: 10/20/11

1,2,4-Trichlorobenzene	5.30	0.37	0.035	mg/kg dry	7.54	<0.37	70.3	44.8-97.9	2.07	19.6	
1,4-Dichlorobenzene	4.87	0.37	0.033	mg/kg dry	7.54	<0.37	64.6	42.3-77.9	2.61	22.4	
2,4-Dinitrotoluene	5.83	0.37	0.039	mg/kg dry	7.54	<0.37	77.4	57.3-86.6	5.91	19.5	
2-Chlorophenol	5.80	0.75	0.067	mg/kg dry	7.54	<0.75	76.9	43.3-93.2	3.58	23.7	
4-Chloro-3-methylphenol	6.42	0.75	0.074	mg/kg dry	7.54	<0.75	85.1	47.1-97.6	6.67	18.3	
4-Nitrophenol	5.89	0.75	0.10	mg/kg dry	7.54	<0.75	78.2	49.3-96.2	7.38	20.4	
Anthracene	7.37	0.37	0.040	mg/kg dry	7.54	0.621	89.5	67.5-93.1	7.47	19.9	
Benzo(a)anthracene	7.20	0.37	0.046	mg/kg dry	7.54	0.898	83.6	59.8-95.7	8.51	23.4	
Benzo(a)pyrene	7.27	0.37	0.047	mg/kg dry	7.54	0.630	88.1	59.8-92.7	8.89	21.1	
Chrysene	6.95	0.37	0.049	mg/kg dry	7.54	0.890	80.5	62.5-94.6	9.64	24.8	
Fluoranthene	8.84	0.37	0.044	mg/kg dry	7.54	2.11	89.3	61.3-92.8	12.5	21.8	
Fluorene	6.59	0.37	0.039	mg/kg dry	7.54	<0.37	82.8	62.8-92.6	5.57	17.6	
N-Nitrosodi-n-propylamine	5.45	0.37	0.037	mg/kg dry	7.54	<0.37	72.4	46.9-89.9	3.98	18.9	
Pentachlorophenol	5.68	0.75	0.088	mg/kg dry	7.54	<0.75	75.4	40.1-95.1	2.73	19.7	
Phenanthrene	9.44	0.37	0.040	mg/kg dry	7.54	2.34	94.2	65.2-92.2	12.9	20.5	M1
Phenol	5.44	0.75	0.078	mg/kg dry	7.54	<0.75	72.2	44.7-91	2.91	17.9	
Surrogate: 2,4,6-Tribromophenol	6.72			mg/kg dry	7.54		89.2	53-107			
Surrogate: 2-Fluorobiphenyl	6.00			mg/kg dry	7.54		79.6	53.9-97.9			
Surrogate: 2-Fluorophenol	5.42			mg/kg dry	7.54		72.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.45			mg/kg dry	7.54		72.4	48.9-100			
Surrogate: Phenol-d6	5.94			mg/kg dry	7.54		78.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.61			mg/kg dry	7.54		74.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105004 Date Reported: 10/25/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
B-02	Target analyte was present in the method blank between the MDL and RL.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

BARR Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1105004

Project Number: 23/19-1092 43RE 820
 Project Name: Umae East RE - GOW East
 Sample Origination State: MN (Use two letter postal state abbreviation)
 COC Number: No 37387

Number of Containers/Preservative		COC	Project Manager:	Project QC Contact:	Sampled by:	Laboratory:	Total Number of Containers
Water	Soil						
VOCs (HCl) #1	VOCs (tared MeOH) #1	1 of 1	JME	AAN	ADNSENZ	Legend	1
SVOCs (unpreserved) #2	GRO, BTEX (tared MeOH) #1						
Dissolved Metals (HNO ₃)	DRO (tared unpreserved)						
Total Metals (HNO ₃)	Metals (unpreserved)						
General (unpreserved) #3	SVOCs (unpreserved) #2						
Diesel Range Organics (HCl)	% Solids (plastic vial, unpres.)						
Nutrients (H ₂ SO ₄) #4							

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	
						Water	Soil	Grab	Comp.
1. 617A-555	0.5	0.5	FT	10/14/2011	13:30	X	X		
2. 617A-556					13:40	X	X		
3. 617A-557					13:50	X	X		
4. 617A-558	↓	↓			14:00	X	X		
5. M-1	—	—	↓		—	X	X	X	
6.									
7.									
8.									
9.									
10.									

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia

Relinquished By: [Signature] On Ice? Date: 10/17/11 Time: 10:00 Received by: Pete Lavelle
 Relinquished By: Pete Lavelle On Ice? Date: 10/17/11 Time: 16:30 Received by: [Signature]
 Samples Shipped VIA: Air Freight Federal Express Sampler Other: DYNAMICS Air Bill Number: _____
 Legend - Lab Vialow - Field Coord. Pink - Lab Coordinator

Legend Technical Services, Inc.
 The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
 Page 18 of 18

LEGEND-POSTER/Chain of Custody Form 2009 RLG Rev. 09/01/06

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 25, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105005
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/17/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "D. Brezina", written over a horizontal line.

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105005 Date Reported: 10/25/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
501C-SS2_0.5-0.5	1105005-01	Soil	10/14/11 08:00	10/17/11 14:15
501C-SS3_0.5-0.5	1105005-02	Soil	10/14/11 08:15	10/17/11 14:15
501C-SS4_0.5-0.5	1105005-03	Soil	10/14/11 08:30	10/17/11 14:15
501C-SS5_0.5-0.5	1105005-04	Soil	10/14/11 08:45	10/17/11 14:15
501E1-SS2_0.5-0.5	1105005-05	Soil	10/14/11 09:10	10/17/11 14:15
501E1-SS3_0.5-0.5	1105005-06	Soil	10/14/11 09:15	10/17/11 14:15
501E1-SS4_0.5-0.5	1105005-07	Soil	10/14/11 09:20	10/17/11 14:15
FB-1	1105005-08	Water	10/14/11 00:00	10/17/11 14:15

Shipping Container Information

Default Cooler Temperature (°C):

Received on ice: Yes Temperature blank was not present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105005 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501C-SS2_0.5-0.5 (1105005-01) Soil Sampled: 10/14/11 08:00 Received: 10/17/11 14:15										
Arsenic	5.2	0.58	0.064	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Barium	91	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	0.37	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	14	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	25	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
501C-SS3_0.5-0.5 (1105005-02) Soil Sampled: 10/14/11 08:15 Received: 10/17/11 14:15										
Arsenic	3.0	0.49	0.054	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Barium	53	0.98	0.059	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.032	mg/kg dry	1	"	"	"	"	
Chromium	16	0.49	0.012	mg/kg dry	1	"	"	"	"	
Lead	6.4	0.98	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<0.98	0.98	0.094	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
501C-SS4_0.5-0.5 (1105005-03) Soil Sampled: 10/14/11 08:30 Received: 10/17/11 14:15										
Arsenic	5.6	0.58	0.064	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Barium	110	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	17	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	21	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
501C-SS5_0.5-0.5 (1105005-04) Soil Sampled: 10/14/11 08:45 Received: 10/17/11 14:15										
Arsenic	4.0	0.55	0.060	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Barium	76	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	14	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	0.95	0.11	0.021	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
501E1-SS2_0.5-0.5 (1105005-05) Soil Sampled: 10/14/11 09:10 Received: 10/17/11 14:15										
Arsenic	3.9	0.50	0.055	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105005 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501E1-SS2_0.5-0.5 (1105005-05) Soil Sampled: 10/14/11 09:10 Received: 10/17/11 14:15										
Barium	69	1.0	0.060	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	11	0.50	0.012	mg/kg dry	1	"	"	"	"	
Lead	13	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.091	0.091	0.017	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.095	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
501E1-SS3_0.5-0.5 (1105005-06) Soil Sampled: 10/14/11 09:15 Received: 10/17/11 14:15										
Arsenic	3.8	0.51	0.056	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Barium	66	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.034	mg/kg dry	1	"	"	"	"	
Chromium	12	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	9.6	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
501E1-SS4_0.5-0.5 (1105005-07) Soil Sampled: 10/14/11 09:20 Received: 10/17/11 14:15										
Arsenic	3.0	0.50	0.056	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Barium	31	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	0.29	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	9.1	0.50	0.012	mg/kg dry	1	"	"	"	"	
Lead	14	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.097	0.097	0.019	mg/kg dry	1	B1J1912	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1807	10/18/11	10/18/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
FB-1 (1105005-08) Water Sampled: 10/14/11 00:00 Received: 10/17/11 14:15										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1J1803	10/18/11	10/18/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1J2006	10/20/11	10/20/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1J1803	10/18/11	10/18/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105005 Date Reported: 10/25/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501C-SS2_0.5-0.5 (1105005-01) Soil Sampled: 10/14/11 08:00 Received: 10/17/11 14:15										
% Solids	86			%	1	B1J2505	10/25/11	10/25/11	% calculation	
501C-SS3_0.5-0.5 (1105005-02) Soil Sampled: 10/14/11 08:15 Received: 10/17/11 14:15										
% Solids	95			%	1	B1J2505	10/25/11	10/25/11	% calculation	
501C-SS4_0.5-0.5 (1105005-03) Soil Sampled: 10/14/11 08:30 Received: 10/17/11 14:15										
% Solids	86			%	1	B1J2505	10/25/11	10/25/11	% calculation	
501C-SS5_0.5-0.5 (1105005-04) Soil Sampled: 10/14/11 08:45 Received: 10/17/11 14:15										
% Solids	91			%	1	B1J2505	10/25/11	10/25/11	% calculation	
501E1-SS2_0.5-0.5 (1105005-05) Soil Sampled: 10/14/11 09:10 Received: 10/17/11 14:15										
% Solids	95			%	1	B1J2505	10/25/11	10/25/11	% calculation	
501E1-SS3_0.5-0.5 (1105005-06) Soil Sampled: 10/14/11 09:15 Received: 10/17/11 14:15										
% Solids	92			%	1	B1J2505	10/25/11	10/25/11	% calculation	
501E1-SS4_0.5-0.5 (1105005-07) Soil Sampled: 10/14/11 09:20 Received: 10/17/11 14:15										
% Solids	94			%	1	B1J2505	10/25/11	10/25/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105005 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1803 - EPA 200.7/3005A Digestion

Blank (B1J1803-BLK1)

Prepared & Analyzed: 10/18/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1J1803-BS1)

Prepared & Analyzed: 10/18/11

Arsenic	0.410	0.010	0.0011	mg/L	0.399		103	80-120			
Barium	0.434	0.020	0.0012	mg/L	0.399		109	80-120			
Cadmium	0.428	0.0010	0.00013	mg/L	0.399		107	80-120			
Chromium	0.431	0.010	0.00024	mg/L	0.399		108	80-120			
Lead	0.431	0.0030	0.00042	mg/L	0.399		108	80-120			
Selenium	0.414	0.020	0.0019	mg/L	0.399		104	80-120			
Silver	0.0416	0.0050	0.00031	mg/L	0.0399		104	80-120			

LCS Dup (B1J1803-BSD1)

Prepared & Analyzed: 10/18/11

Arsenic	0.405	0.010	0.0011	mg/L	0.399		102	80-120	1.22	20	
Barium	0.434	0.020	0.0012	mg/L	0.399		109	80-120	0.0827	20	
Cadmium	0.424	0.0010	0.00013	mg/L	0.399		106	80-120	0.801	20	
Chromium	0.427	0.010	0.00024	mg/L	0.399		107	80-120	0.936	20	
Lead	0.426	0.0030	0.00042	mg/L	0.399		107	80-120	1.08	20	
Selenium	0.411	0.020	0.0019	mg/L	0.399		103	80-120	0.566	20	
Silver	0.0419	0.0050	0.00031	mg/L	0.0399		105	80-120	0.699	20	

Matrix Spike (B1J1803-MS1)

Source: 1105005-08

Prepared & Analyzed: 10/18/11

Arsenic	0.410	0.010	0.0011	mg/L	0.399	<0.010	103	75-125			
Barium	0.434	0.020	0.0012	mg/L	0.399	<0.020	109	75-125			
Cadmium	0.425	0.0010	0.00013	mg/L	0.399	<0.0010	106	75-125			
Chromium	0.430	0.010	0.00024	mg/L	0.399	<0.010	108	75-125			
Lead	0.430	0.0030	0.00042	mg/L	0.399	<0.0030	108	75-125			
Selenium	0.408	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0419	0.0050	0.00031	mg/L	0.0399	<0.0050	104	75-125			

Matrix Spike Dup (B1J1803-MSD1)

Source: 1105005-08

Prepared & Analyzed: 10/18/11

Arsenic	0.410	0.010	0.0011	mg/L	0.399	<0.010	103	75-125	0.00391	20	
Barium	0.437	0.020	0.0012	mg/L	0.399	<0.020	109	75-125	0.741	20	
Cadmium	0.420	0.0010	0.00013	mg/L	0.399	<0.0010	105	75-125	1.06	20	
Chromium	0.430	0.010	0.00024	mg/L	0.399	<0.010	108	75-125	0.0612	20	
Lead	0.429	0.0030	0.00042	mg/L	0.399	<0.0030	107	75-125	0.188	20	
Selenium	0.412	0.020	0.0019	mg/L	0.399	<0.020	103	75-125	1.08	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105005 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1803 - EPA 200.7/3005A Digestion

Matrix Spike Dup (B1J1803-MSD1)

Source: 1105005-08

Prepared & Analyzed: 10/18/11

Silver	0.0420	0.0050	0.00031	mg/L	0.0399	<0.0050	104	75-125	0.371	20	
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Batch B1J1807 - EPA 3050B

Blank (B1J1807-BLK1)

Prepared & Analyzed: 10/18/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1807-BS1)

Prepared & Analyzed: 10/18/11

Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	42.9	1.0	0.060	mg/kg wet	39.9		107	80-120			
Cadmium	41.6	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	42.1	0.50	0.012	mg/kg wet	39.9		106	80-120			
Lead	42.3	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	41.0	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1J1807-BSD1)

Prepared & Analyzed: 10/18/11

Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120	0.0221	20	
Barium	42.9	1.0	0.060	mg/kg wet	39.9		107	80-120	0.0463	20	
Cadmium	41.5	0.25	0.033	mg/kg wet	39.9		104	80-120	0.0420	20	
Chromium	42.1	0.50	0.012	mg/kg wet	39.9		105	80-120	0.0741	20	
Lead	42.3	1.0	0.14	mg/kg wet	39.9		106	80-120	0.0680	20	
Selenium	41.2	1.0	0.095	mg/kg wet	39.9		103	80-120	0.336	20	
Silver	4.10	0.25	0.016	mg/kg wet	3.99		103	80-120	1.46	20	

Matrix Spike (B1J1807-MS1)

Source: 1105005-07

Prepared & Analyzed: 10/18/11

Arsenic	44.4	0.53	0.059	mg/kg dry	40.6	3.00	102	75-125			
Barium	74.0	1.1	0.064	mg/kg dry	40.6	31.0	106	75-125			
Cadmium	41.7	0.27	0.035	mg/kg dry	40.6	0.294	102	75-125			
Chromium	49.3	0.53	0.013	mg/kg dry	40.6	9.12	98.9	75-125			
Lead	53.6	1.1	0.15	mg/kg dry	40.6	14.4	96.7	75-125			
Selenium	40.8	1.1	0.10	mg/kg dry	40.6	<1.1	101	75-125			
Silver	4.05	0.27	0.017	mg/kg dry	4.06	<0.27	99.8	75-125			

Matrix Spike Dup (B1J1807-MSD1)

Source: 1105005-07

Prepared & Analyzed: 10/18/11

Arsenic	44.5	0.53	0.059	mg/kg dry	40.8	3.00	102	75-125	0.193	20	
Barium	72.2	1.1	0.064	mg/kg dry	40.8	31.0	101	75-125	2.54	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105005 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1807 - EPA 3050B											
Matrix Spike Dup (B1J1807-MSD1)		Source: 1105005-07			Prepared & Analyzed: 10/18/11						
Cadmium	42.3	0.27	0.035	mg/kg dry	40.8	0.294	103	75-125	1.30	20	
Chromium	51.1	0.53	0.013	mg/kg dry	40.8	9.12	103	75-125	3.73	20	
Lead	54.0	1.1	0.15	mg/kg dry	40.8	14.4	97.1	75-125	0.622	20	
Selenium	41.3	1.1	0.10	mg/kg dry	40.8	<1.1	101	75-125	1.26	20	
Silver	4.16	0.27	0.017	mg/kg dry	4.08	<0.27	102	75-125	2.67	20	
Batch B1J1912 - EPA 7471A											
Blank (B1J1912-BLK1)		Prepared: 10/19/11 Analyzed: 10/24/11									
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1912-BS1)		Prepared: 10/19/11 Analyzed: 10/24/11									
Mercury	0.191	0.10	0.019	mg/kg wet	0.200		95.5	80-120			
LCS Dup (B1J1912-BSD1)		Prepared: 10/19/11 Analyzed: 10/24/11									
Mercury	0.201	0.10	0.019	mg/kg wet	0.200		100	80-120	5.10	20	
Matrix Spike (B1J1912-MS1)		Source: 1105002-02			Prepared: 10/19/11 Analyzed: 10/24/11						
Mercury	0.224	0.10	0.019	mg/kg dry	0.201	<0.10	112	75-125			
Matrix Spike Dup (B1J1912-MSD1)		Source: 1105002-02			Prepared: 10/19/11 Analyzed: 10/24/11						
Mercury	0.231	0.11	0.020	mg/kg dry	0.205	<0.11	112	75-125	2.99	20	
Batch B1J2006 - EPA 245.1/7470A Digestion											
Blank (B1J2006-BLK1)		Prepared & Analyzed: 10/20/11									
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1J2006-BS1)		Prepared & Analyzed: 10/20/11									
Mercury	0.00181	0.00020	0.000037	mg/L	0.00200		90.5	80-120			
LCS Dup (B1J2006-BSD1)		Prepared & Analyzed: 10/20/11									
Mercury	0.00179	0.00020	0.000037	mg/L	0.00200		89.5	80-120	1.11	20	
Matrix Spike (B1J2006-MS1)		Source: 1104973-07			Prepared & Analyzed: 10/20/11						
Mercury	0.00197	0.00020	0.000037	mg/L	0.00200	<0.00020	98.5	75-125			
Matrix Spike Dup (B1J2006-MSD1)		Source: 1104973-07			Prepared & Analyzed: 10/20/11						
Mercury	0.00178	0.00020	0.000037	mg/L	0.00200	<0.00020	89.0	75-125	10.1	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105005 Date Reported: 10/25/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2505 - General Preparation											
Duplicate (B1J2505-DUP1)											
% Solids	95.0			%		95.0			0.00	20	
Duplicate (B1J2505-DUP2)											
% Solids	95.0			%		95.0			0.00	20	
Duplicate (B1J2505-DUP3)											
% Solids	89.0			%		99.0			10.6	20	
Duplicate (B1J2505-DUP4)											
% Solids	90.0			%		99.0			9.52	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105005 Date Reported: 10/25/11
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Notes and Definitions

<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
BARR
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1105005
~~1105005~~

Project Number: 23/19-1092 48RE 820
 Project Name: Umar East RE - Ste Wide
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: No 37388

Number of Containers/Preservative		Total Number of Containers
Water	Soil	
VOCs (HCl) #1		1
SVOCs (unpreserved) #2		
Dissolved Metals (HNO ₃)		
Total Metals (HNO ₃)		
General (unpreserved) #3		
Diesel Range Organics (HCl)		
Nutrients (H ₂ SO ₄) #4		
VOCs (Iared MeOH) #1		
GR0, BTEX (Iared MeOH) #1		
DRO (Iared unpreserved)		
Metals (unpreserved)		
SVOCs (unpreserved) #2		
% Solids (plastic vial, unpres.)		

COC 1 of 1
 Project Manager: JME
 Project QC Contact: AAN
 Sampled by: ADN/SRB
 Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	QC	SVOCs (HCl) #1	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (Iared MeOH) #1	GR0, BTEX (Iared MeOH) #1	DRO (Iared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	
						Water	Soil															
1. 501C-SS2	0.5	0.5	ft	10/14/11	8:00	X	X												X	X		
2. 501C-SS3					8:15	X	X												X	X		
3. 501C-SS4					8:30	X	X												X	X		
4. 501C-SS5					8:45	X	X	X											X	X		
5. 501E1-SS2					9:10	X	X												X	X		
6. 501E1-SS3					9:15	X	X												X	X		
7. 501E1-SS4					9:20	X	X												X	X		
8. FB-1						X			X	X												
9.																						
10.																						

Analyse for PCEA metals
 MS/MSD

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GR0, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
 pp/cred

Relinquished By: <u>[Signature]</u>	On Ice? <input checked="" type="checkbox"/> N	Date: <u>10/17/11</u>	Time: <u>1630</u>	Received by: <u>[Signature]</u>	Date: <u>10/17/11</u>	Time: <u>1000</u>
Relinquished By: <u>[Signature]</u>	On Ice? <input checked="" type="checkbox"/> N	Date: <u>10/17/11</u>	Time: <u>1630</u>	Received by: <u>[Signature]</u>	Date: <u>10/17/11</u>	Time: <u>1415</u>
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler			Air Bill Number:			
Other: <u>DNA/MSD</u>						

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Legend Technical Services, Inc.
 The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
 Page 11 of 11

BULK MATERIAL ASBESTOS ANALYSIS REPORT

Client: Ms. Andrea Nord
 Barr Engineering Co.
 4700 West 77th Street
 Minneapolis, MN 55435-4803

Report Date: 10/18/11

Project No.: 1105007

Client Project: 23191092.00 48RI 820 - UMORE RI - ABC LINE

Date Received: 10/17/11

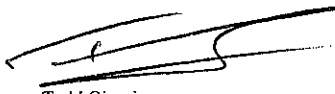
Date Analyzed: 10/18/11

SAMPLE NO.	LAB NO.	SAMPLE DESCRIPTION	ASBESTOS TYPE (%)	OTHER MATERIAL (%)
238B-West	1105007 - 1	238B - West White/Brown, Cementitious/Fibrous Heterogeneous	None Detected	85% Nonfibrous 15% Cellulose
239A - South	1105007 - 2	239A - South White/Brown, Cementitious/Fibrous Heterogeneous	None Detected	90% Nonfibrous 10% Cellulose

The analysis was performed in accordance with current U.S. Environmental Protection Agency (USEPA) protocols, "Method for the Determination of Asbestos in Bulk Building Materials," EPA 600/R-93/116, 1993. All reported percentages are by visual estimates. In the case of nonhomogeneous samples, each material or layer is analyzed separately and the reported percentages are based on the total sample as received, unless other instructions are received from the client. The samples were received in acceptable condition.

NVLAP Laboratory Accreditation Number: 102081-0

ANALYST:


 Todd Giorgi
 Microscopist

- This document cannot be duplicated, except in its entirety, without the express written authorization from LEGEND TECHNICAL SERVICES, INC.
- This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.
- This report relates only to the above items tested.



Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

1105007

Project Number: 23/19-1092.00 48R1 820

Project Name: UMarx RI - ABC Line

Sample Origination State MN (use two letter postal state abbreviation)

COC Number: **No 37131**

Number of Containers/Preservative														COC <u>1</u> of <u>1</u>			
Water							Soil							Total Number Of Containers			
VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #7	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Asbestos				
																	Project Manager: <u>JME</u>
																	Project QC Contact: <u>AAN</u>
																	Sampled by: <u>KCB</u>
																	Laboratory: <u>Legend</u>
1. U-237B	-	-	-	10/13/2011	1030	X	X					X	X			2	RCRA metals SVOCs
2. 2376-TT1	0.5	0.5	ft		1035	X	X					X	X			2	↓
3. 238B-TT2	0.5	0.5	ft		1130	X	X					X	X			2	↓
4. 238B - West	0.5	0.5	ft		1145	X	X							X		1	Asbestos
5. 239A - South	0.5	0.5	ft	↓	1230	X	X							X		1	↓
6. 238B-TT1-14	3	3	ft	↓	1200	X	X					X	X			2	RCRA Metals SVOCs
7.																	
8.																	
9.																	
10.																	

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <u>Knot Schipke</u>	On Ice? <input checked="" type="checkbox"/> N	Date: <u>10/17/11</u>	Time: <u>0600</u>	Received by: <u>Pete Landa</u>	Date: <u>10/17/11</u>	Time: <u>1000</u>
Relinquished By: <u>Pete Landa</u>	On Ice? <input checked="" type="checkbox"/> N	Date: <u>10/17/11</u>	Time: <u>1630</u>	Received by: <u>Relly Breker</u>	Date: <u>10/17/11</u>	Time: <u>14:15</u>
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other: _____				Air Bill Number: _____		

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

UMP0169



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 27, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105029
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/18/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink that reads "T-L".

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
617A-SS2_0.5-0.5	1105029-01	Soil	10/17/11 08:40	10/18/11 10:25
617A-SS3_0.5-0.5	1105029-02	Soil	10/17/11 08:50	10/18/11 10:25
617A-SS13_0.5-0.5	1105029-03	Soil	10/17/11 09:00	10/18/11 10:25
617A-SS14_0.5-0.5	1105029-04	Soil	10/17/11 09:10	10/18/11 10:25
617A-SS15_0.5-0.5	1105029-05	Soil	10/17/11 09:20	10/18/11 10:25
617A-SS9_0.5-0.5	1105029-06	Soil	10/17/11 12:20	10/18/11 10:25
617A-SS11_0.5-0.5	1105029-07	Soil	10/17/11 12:30	10/18/11 10:25
617A-SS10_0.5-0.5	1105029-08	Soil	10/17/11 12:40	10/18/11 10:25
617A-SS12_0.5-0.5	1105029-09	Soil	10/17/11 12:50	10/18/11 10:25
617A-SS4_0.5-0.5	1105029-10	Soil	10/17/11 13:00	10/18/11 10:25
617A-SS1_0.5-0.5	1105029-11	Soil	10/17/11 13:10	10/18/11 10:25
M-1	1105029-12	Soil	10/17/11 00:00	10/18/11 10:25
FB-1	1105029-13	Water	10/17/11 00:00	10/18/11 10:25
FB-2	1105029-14	Water	10/17/11 00:00	10/18/11 10:25

Shipping Container Information

Default Cooler Temperature (°C): 5.6

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

The recovery for barium in the MS sample for batch B1J1905 was outside of the laboratory control limits. The LCS/LCSD, MSD samples, and %RPDs were within limits. The MS/MSD source sample was 617A-SS2_0.5-0.5.

Recovery for the 8270 surrogate phenol-d6 was below laboratory limits in sample 617A-SS15_0.5-0.5.

Recovery for the 8270 SVOC compound fluorene was below laboratory limits in the water batch B1J2409 LCS/LCSD. All spike compounds were within limits in the batch MS.

An LCS/LCSD/MS was prepared and analyzed for 8270 water batch B1J2409 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-SS2_0.5-0.5 (1105029-01) Soil Sampled: 10/17/11 08:40 Received: 10/18/11 10:25										
Arsenic	10	0.56	0.061	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	140	1.1	0.067	mg/kg dry	1	"	"	"	"	M1
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	15	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
617A-SS3_0.5-0.5 (1105029-02) Soil Sampled: 10/17/11 08:50 Received: 10/18/11 10:25										
Arsenic	3.6	0.56	0.062	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	61	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	8.6	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	15	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
617A-SS13_0.5-0.5 (1105029-03) Soil Sampled: 10/17/11 09:00 Received: 10/18/11 10:25										
Arsenic	7.5	0.58	0.064	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	130	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	16	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	12	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
617A-SS14_0.5-0.5 (1105029-04) Soil Sampled: 10/17/11 09:10 Received: 10/18/11 10:25										
Arsenic	6.6	0.58	0.064	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	140	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	16	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	14	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
617A-SS15_0.5-0.5 (1105029-05) Soil Sampled: 10/17/11 09:20 Received: 10/18/11 10:25										
Arsenic	3.7	0.51	0.056	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-SS15_0.5-0.5 (1105029-05) Soil Sampled: 10/17/11 09:20 Received: 10/18/11 10:25										
Barium	57	1.0	0.061	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Cadmium	<0.25	0.25	0.034	mg/kg dry	1	"	"	"	"	
Chromium	12	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	6.8	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
617A-SS9_0.5-0.5 (1105029-06) Soil Sampled: 10/17/11 12:20 Received: 10/18/11 10:25										
Arsenic	4.8	0.54	0.060	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	85	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	14	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	9.6	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
617A-SS11_0.5-0.5 (1105029-07) Soil Sampled: 10/17/11 12:30 Received: 10/18/11 10:25										
Arsenic	4.2	0.51	0.056	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	68	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.034	mg/kg dry	1	"	"	"	"	
Chromium	12	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	9.2	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
617A-SS10_0.5-0.5 (1105029-08) Soil Sampled: 10/17/11 12:40 Received: 10/18/11 10:25										
Arsenic	4.3	0.57	0.062	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	81	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	14	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	9.4	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
617A-SS12_0.5-0.5 (1105029-09) Soil Sampled: 10/17/11 12:50 Received: 10/18/11 10:25										
Arsenic	5.2	0.56	0.062	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	100	1.1	0.067	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-SS12_0.5-0.5 (1105029-09) Soil Sampled: 10/17/11 12:50 Received: 10/18/11 10:25										
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Chromium	15	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
617A-SS4_0.5-0.5 (1105029-10) Soil Sampled: 10/17/11 13:00 Received: 10/18/11 10:25										
Arsenic	6.5	0.57	0.063	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	150	1.1	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	16	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	12	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
617A-SS1_0.5-0.5 (1105029-11) Soil Sampled: 10/17/11 13:10 Received: 10/18/11 10:25										
Arsenic	3.1	0.53	0.058	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	39	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	11	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	6.5	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.098	0.098	0.019	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
M-1 (1105029-12) Soil Sampled: 10/17/11 00:00 Received: 10/18/11 10:25										
Arsenic	4.8	0.56	0.061	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	98	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	18	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	10	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
FB-1 (1105029-13) Water Sampled: 10/17/11 00:00 Received: 10/18/11 10:25										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1J1909	10/19/11	10/19/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1105029-13) Water Sampled: 10/17/11 00:00 Received: 10/18/11 10:25										
Chromium	<0.010	0.010	0.00024	mg/L	1	B1J1909	10/19/11	10/19/11	EPA 6010B	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1J2006	10/20/11	10/21/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1J1909	10/19/11	10/19/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
FB-2 (1105029-14) Water Sampled: 10/17/11 00:00 Received: 10/18/11 10:25										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1J1909	10/19/11	10/19/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1J2006	10/20/11	10/21/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1J1909	10/19/11	10/19/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-SS2_0.5-0.5 (1105029-01) Soil Sampled: 10/17/11 08:40 Received: 10/18/11 10:25										
% Solids	90			%	1	B1J2612	10/26/11	10/26/11	% calculation	
617A-SS3_0.5-0.5 (1105029-02) Soil Sampled: 10/17/11 08:50 Received: 10/18/11 10:25										
% Solids	89			%	1	B1J2612	10/26/11	10/26/11	% calculation	
617A-SS13_0.5-0.5 (1105029-03) Soil Sampled: 10/17/11 09:00 Received: 10/18/11 10:25										
% Solids	86			%	1	B1J2612	10/26/11	10/26/11	% calculation	
617A-SS14_0.5-0.5 (1105029-04) Soil Sampled: 10/17/11 09:10 Received: 10/18/11 10:25										
% Solids	86			%	1	B1J2612	10/26/11	10/26/11	% calculation	
617A-SS15_0.5-0.5 (1105029-05) Soil Sampled: 10/17/11 09:20 Received: 10/18/11 10:25										
% Solids	92			%	1	B1J2612	10/26/11	10/26/11	% calculation	
617A-SS9_0.5-0.5 (1105029-06) Soil Sampled: 10/17/11 12:20 Received: 10/18/11 10:25										
% Solids	92			%	1	B1J2612	10/26/11	10/26/11	% calculation	
617A-SS11_0.5-0.5 (1105029-07) Soil Sampled: 10/17/11 12:30 Received: 10/18/11 10:25										
% Solids	93			%	1	B1J2612	10/26/11	10/26/11	% calculation	
617A-SS10_0.5-0.5 (1105029-08) Soil Sampled: 10/17/11 12:40 Received: 10/18/11 10:25										
% Solids	88			%	1	B1J2612	10/26/11	10/26/11	% calculation	
617A-SS12_0.5-0.5 (1105029-09) Soil Sampled: 10/17/11 12:50 Received: 10/18/11 10:25										
% Solids	89			%	1	B1J2612	10/26/11	10/26/11	% calculation	
617A-SS4_0.5-0.5 (1105029-10) Soil Sampled: 10/17/11 13:00 Received: 10/18/11 10:25										
% Solids	87			%	1	B1J2612	10/26/11	10/26/11	% calculation	
617A-SS1_0.5-0.5 (1105029-11) Soil Sampled: 10/17/11 13:10 Received: 10/18/11 10:25										
% Solids	95			%	1	B1J2612	10/26/11	10/26/11	% calculation	
M-1 (1105029-12) Soil Sampled: 10/17/11 00:00 Received: 10/18/11 10:25										
% Solids	90			%	1	B1J2612	10/26/11	10/26/11	% calculation	

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Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-SS3_0.5-0.5 (1105029-02) Soil Sampled: 10/17/11 08:50 Received: 10/18/11 10:25										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.48	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.065	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.059	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

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Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-SS3_0.5-0.5 (1105029-02) Soil Sampled: 10/17/11 08:50 Received: 10/18/11 10:25										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.071	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.12	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.12	0.37	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	0.33	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.30	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.11	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	62.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	57.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	50.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	51.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	48.0			50.4-99.6 %		"	"	"	"	S-GC
Surrogate: Terphenyl-d14	58.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-SS15_0.5-0.5 (1105029-05) Soil Sampled: 10/17/11 09:20 Received: 10/18/11 10:25										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-SS15_0.5-0.5 (1105029-05) Soil Sampled: 10/17/11 09:20 Received: 10/18/11 10:25										
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	92.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	84.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	76.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-SS11_0.5-0.5 (1105029-07) Soil Sampled: 10/17/11 12:30 Received: 10/18/11 10:25										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	0.061	0.35	0.039	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.13	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.090	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.11	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-SS11_0.5-0.5 (1105029-07) Soil Sampled: 10/17/11 12:30 Received: 10/18/11 10:25										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.12	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.23	0.35	0.042	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.045	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.22	0.35	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	0.20	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	85.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	65.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	77.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1105029-13) Water Sampled: 10/17/11 00:00 Received: 10/18/11 10:25										
1,2,4-Trichlorobenzene	<0.30	10	0.30	ug/L	1	B1J2409	10/24/11	10/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.33	10	0.33	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.26	10	0.26	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.31	10	0.31	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.29	10	0.29	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.96	10	0.96	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.59	10	0.59	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.59	10	0.59	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.63	10	0.63	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.57	10	0.57	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.2	10	1.2	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.45	10	0.45	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.50	10	0.50	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.53	10	0.53	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.60	10	0.60	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.39	10	0.39	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.88	10	0.88	ug/L	1	"	"	"	"	
2-Methylphenol	<0.48	10	0.48	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.60	10	0.60	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.93	10	0.93	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.41	10	0.41	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<7.2	25	7.2	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.1	10	1.1	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<1.0	10	1.0	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.42	10	0.42	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.48	10	0.48	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.3	10	1.3	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.31	10	0.31	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.90	10	0.90	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.78	10	0.78	ug/L	1	"	"	"	"	
Acenaphthene	<0.60	10	0.60	ug/L	1	"	"	"	"	
Acenaphthylene	<0.55	10	0.55	ug/L	1	"	"	"	"	
Aniline	<1.6	10	1.6	ug/L	1	"	"	"	"	
Anthracene	<0.56	10	0.56	ug/L	1	"	"	"	"	
Benzidine	<7.6	100	7.6	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.50	10	0.50	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.41	10	0.41	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.44	10	0.44	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.46	10	0.46	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1105029-13) Water Sampled: 10/17/11 00:00 Received: 10/18/11 10:25										
Benzo(k)fluoranthene	<0.49	10	0.49	ug/L	1	B1J2409	10/24/11	10/24/11	EPA 8270C	
Benzoic acid	<0.52	10	0.52	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.2	10	1.2	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.27	10	0.27	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.22	10	0.22	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.23	10	0.23	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.81	10	0.81	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.45	10	0.45	ug/L	1	"	"	"	"	
Carbazole	<0.33	10	0.33	ug/L	1	"	"	"	"	T-1
Chrysene	<0.61	10	0.61	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.55	10	0.55	ug/L	1	"	"	"	"	
Dibenzofuran	<0.59	10	0.59	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.30	10	0.30	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.33	10	0.33	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.39	10	0.39	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.67	10	0.67	ug/L	1	"	"	"	"	
Fluoranthene	<0.61	10	0.61	ug/L	1	"	"	"	"	
Fluorene	<0.52	10	0.52	ug/L	1	"	"	"	"	L1a
Hexachlorobenzene	<0.40	10	0.40	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.41	10	0.41	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.35	10	0.35	ug/L	1	"	"	"	"	
Hexachloroethane	<0.33	10	0.33	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.39	10	0.39	ug/L	1	"	"	"	"	
Isophorone	<0.26	10	0.26	ug/L	1	"	"	"	"	
Naphthalene	<0.52	10	0.52	ug/L	1	"	"	"	"	
Nitrobenzene	<0.37	10	0.37	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.48	10	0.48	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.25	10	0.25	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.38	10	0.38	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.90	10	0.90	ug/L	1	"	"	"	"	
Phenanthrene	<0.35	10	0.35	ug/L	1	"	"	"	"	
Phenol	<0.41	10	0.41	ug/L	1	"	"	"	"	
Pyrene	<0.66	10	0.66	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	85.2			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.4			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.1			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.3			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	59.9			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	68.3			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-2 (1105029-14) Water **Sampled: 10/17/11 00:00** **Received: 10/18/11 10:25**

1,2,4-Trichlorobenzene	<0.30	10	0.30	ug/L	1	B1J2409	10/24/11	10/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.33	10	0.33	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.26	10	0.26	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.31	10	0.31	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.29	10	0.29	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.96	10	0.96	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.59	10	0.59	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.59	10	0.59	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.63	10	0.63	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.57	10	0.57	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.2	10	1.2	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.45	10	0.45	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.50	10	0.50	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.53	10	0.53	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.60	10	0.60	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.39	10	0.39	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.88	10	0.88	ug/L	1	"	"	"	"	
2-Methylphenol	<0.48	10	0.48	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.60	10	0.60	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.93	10	0.93	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.41	10	0.41	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<7.2	25	7.2	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.1	10	1.1	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<1.0	10	1.0	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.42	10	0.42	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.48	10	0.48	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.3	10	1.3	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.31	10	0.31	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.90	10	0.90	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.78	10	0.78	ug/L	1	"	"	"	"	
Acenaphthene	<0.60	10	0.60	ug/L	1	"	"	"	"	
Acenaphthylene	<0.55	10	0.55	ug/L	1	"	"	"	"	
Aniline	<1.6	10	1.6	ug/L	1	"	"	"	"	
Anthracene	<0.56	10	0.56	ug/L	1	"	"	"	"	
Benzidine	<7.6	100	7.6	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.50	10	0.50	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.41	10	0.41	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.44	10	0.44	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.46	10	0.46	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-2 (1105029-14) Water Sampled: 10/17/11 00:00 Received: 10/18/11 10:25										
Benzo(k)fluoranthene	<0.49	10	0.49	ug/L	1	B1J2409	10/24/11	10/24/11	EPA 8270C	
Benzoic acid	<0.52	10	0.52	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.2	10	1.2	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.27	10	0.27	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.22	10	0.22	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.23	10	0.23	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.81	10	0.81	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.45	10	0.45	ug/L	1	"	"	"	"	
Carbazole	<0.33	10	0.33	ug/L	1	"	"	"	"	T-1
Chrysene	<0.61	10	0.61	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.55	10	0.55	ug/L	1	"	"	"	"	
Dibenzofuran	<0.59	10	0.59	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.30	10	0.30	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.33	10	0.33	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.39	10	0.39	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.67	10	0.67	ug/L	1	"	"	"	"	
Fluoranthene	<0.61	10	0.61	ug/L	1	"	"	"	"	
Fluorene	<0.52	10	0.52	ug/L	1	"	"	"	"	L1a
Hexachlorobenzene	<0.40	10	0.40	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.41	10	0.41	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.35	10	0.35	ug/L	1	"	"	"	"	
Hexachloroethane	<0.33	10	0.33	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.39	10	0.39	ug/L	1	"	"	"	"	
Isophorone	<0.26	10	0.26	ug/L	1	"	"	"	"	
Naphthalene	<0.52	10	0.52	ug/L	1	"	"	"	"	
Nitrobenzene	<0.37	10	0.37	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.48	10	0.48	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.25	10	0.25	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.38	10	0.38	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.90	10	0.90	ug/L	1	"	"	"	"	
Phenanthrene	<0.35	10	0.35	ug/L	1	"	"	"	"	
Phenol	<0.41	10	0.41	ug/L	1	"	"	"	"	
Pyrene	<0.66	10	0.66	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.5			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.9			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.5			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.1			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	61.9			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.3			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1905 - EPA 3050B

Blank (B1J1905-BLK1)

Prepared & Analyzed: 10/19/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1905-BS1)

Prepared & Analyzed: 10/19/11

Arsenic	41.2	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	43.0	1.0	0.060	mg/kg wet	39.9		108	80-120			
Cadmium	41.4	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	41.9	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	42.4	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.14	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1J1905-BSD1)

Prepared & Analyzed: 10/19/11

Arsenic	40.9	0.50	0.055	mg/kg wet	39.9		103	80-120	0.708	20	
Barium	43.0	1.0	0.060	mg/kg wet	39.9		108	80-120	0.121	20	
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120	0.714	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		105	80-120	0.561	20	
Lead	42.3	1.0	0.14	mg/kg wet	39.9		106	80-120	0.237	20	
Selenium	40.8	1.0	0.095	mg/kg wet	39.9		102	80-120	0.365	20	
Silver	4.15	0.25	0.016	mg/kg wet	3.99		104	80-120	0.291	20	

Matrix Spike (B1J1905-MS1)

Source: 1105029-01

Prepared & Analyzed: 10/19/11

Arsenic	52.2	0.56	0.061	mg/kg dry	43.5	10.2	96.7	75-125			
Barium	198	1.1	0.067	mg/kg dry	43.5	143	126	75-125			M1
Cadmium	42.4	0.28	0.037	mg/kg dry	43.5	<0.28	96.9	75-125			
Chromium	58.6	0.56	0.013	mg/kg dry	43.5	15.4	99.2	75-125			
Lead	55.3	1.1	0.16	mg/kg dry	43.5	12.6	98.2	75-125			
Selenium	41.6	1.1	0.11	mg/kg dry	43.5	<1.1	95.7	75-125			
Silver	4.19	0.28	0.018	mg/kg dry	4.35	<0.28	96.3	75-125			

Matrix Spike Dup (B1J1905-MSD1)

Source: 1105029-01

Prepared & Analyzed: 10/19/11

Arsenic	52.4	0.56	0.061	mg/kg dry	43.7	10.2	96.6	75-125	0.234	20	
Barium	194	1.1	0.067	mg/kg dry	43.7	143	116	75-125	2.15	20	
Cadmium	42.6	0.28	0.037	mg/kg dry	43.7	<0.28	96.9	75-125	0.374	20	
Chromium	59.6	0.56	0.013	mg/kg dry	43.7	15.4	101	75-125	1.68	20	
Lead	55.1	1.1	0.16	mg/kg dry	43.7	12.6	97.2	75-125	0.452	20	
Selenium	41.9	1.1	0.11	mg/kg dry	43.7	<1.1	95.9	75-125	0.691	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1905 - EPA 3050B

Matrix Spike Dup (B1J1905-MSD1)

Source: 1105029-01

Prepared & Analyzed: 10/19/11

Silver	4.19	0.28	0.018	mg/kg dry	4.37	<0.28	96.0	75-125	0.0896	20	
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Batch B1J1909 - EPA 200.7/3005A Digestion

Blank (B1J1909-BLK1)

Prepared & Analyzed: 10/19/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1J1909-BS1)

Prepared & Analyzed: 10/19/11

Arsenic	0.413	0.010	0.0011	mg/L	0.399		104	80-120			
Barium	0.442	0.020	0.0012	mg/L	0.399		111	80-120			
Cadmium	0.416	0.0010	0.00013	mg/L	0.399		104	80-120			
Chromium	0.425	0.010	0.00024	mg/L	0.399		107	80-120			
Lead	0.430	0.0030	0.00042	mg/L	0.399		108	80-120			
Selenium	0.412	0.020	0.0019	mg/L	0.399		103	80-120			
Silver	0.0421	0.0050	0.00031	mg/L	0.0399		106	80-120			

LCS Dup (B1J1909-BSD1)

Prepared & Analyzed: 10/19/11

Arsenic	0.421	0.010	0.0011	mg/L	0.399		105	80-120	1.77	20	
Barium	0.443	0.020	0.0012	mg/L	0.399		111	80-120	0.218	20	
Cadmium	0.423	0.0010	0.00013	mg/L	0.399		106	80-120	1.70	20	
Chromium	0.431	0.010	0.00024	mg/L	0.399		108	80-120	1.37	20	
Lead	0.437	0.0030	0.00042	mg/L	0.399		109	80-120	1.56	20	
Selenium	0.413	0.020	0.0019	mg/L	0.399		104	80-120	0.171	20	
Silver	0.0427	0.0050	0.00031	mg/L	0.0399		107	80-120	1.39	20	

Matrix Spike (B1J1909-MS1)

Source: 1105029-14

Prepared & Analyzed: 10/19/11

Arsenic	0.419	0.010	0.0011	mg/L	0.399	<0.010	105	75-125			
Barium	0.442	0.020	0.0012	mg/L	0.399	<0.020	111	75-125			
Cadmium	0.423	0.0010	0.00013	mg/L	0.399	<0.0010	106	75-125			
Chromium	0.430	0.010	0.00024	mg/L	0.399	<0.010	108	75-125			
Lead	0.437	0.0030	0.00042	mg/L	0.399	<0.0030	110	75-125			
Selenium	0.415	0.020	0.0019	mg/L	0.399	<0.020	104	75-125			
Silver	0.0429	0.0050	0.00031	mg/L	0.0399	<0.0050	107	75-125			

Matrix Spike Dup (B1J1909-MSD1)

Source: 1105029-14

Prepared & Analyzed: 10/19/11

Arsenic	0.413	0.010	0.0011	mg/L	0.399	<0.010	103	75-125	1.47	20	
Barium	0.442	0.020	0.0012	mg/L	0.399	<0.020	111	75-125	0.0486	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1909 - EPA 200.7/3005A Digestion											
Matrix Spike Dup (B1J1909-MSD1)		Source: 1105029-14			Prepared & Analyzed: 10/19/11						
Cadmium	0.415	0.0010	0.00013	mg/L	0.399	<0.0010	104	75-125	1.74	20	
Chromium	0.423	0.010	0.00024	mg/L	0.399	<0.010	106	75-125	1.80	20	
Lead	0.429	0.0030	0.00042	mg/L	0.399	<0.0030	107	75-125	1.93	20	
Selenium	0.405	0.020	0.0019	mg/L	0.399	<0.020	101	75-125	2.46	20	
Silver	0.0417	0.0050	0.00031	mg/L	0.0399	<0.0050	104	75-125	2.88	20	
Batch B1J1913 - EPA 7471A											
Blank (B1J1913-BLK1)		Prepared: 10/19/11 Analyzed: 10/24/11									
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1913-BS1)		Prepared: 10/19/11 Analyzed: 10/24/11									
Mercury	0.201	0.10	0.019	mg/kg wet	0.200		100	80-120			
LCS Dup (B1J1913-BSD1)		Prepared: 10/19/11 Analyzed: 10/24/11									
Mercury	0.198	0.10	0.019	mg/kg wet	0.200		99.0	80-120	1.50	20	
Matrix Spike (B1J1913-MS1)		Source: 1105029-01			Prepared: 10/19/11 Analyzed: 10/24/11						
Mercury	0.236	0.11	0.021	mg/kg dry	0.214	<0.11	89.0	75-125			
Matrix Spike Dup (B1J1913-MSD1)		Source: 1105029-01			Prepared: 10/19/11 Analyzed: 10/24/11						
Mercury	0.228	0.11	0.021	mg/kg dry	0.212	<0.11	86.3	75-125	3.31	20	
Batch B1J2006 - EPA 245.1/7470A Digestion											
Blank (B1J2006-BLK1)		Prepared & Analyzed: 10/20/11									
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1J2006-BS1)		Prepared & Analyzed: 10/20/11									
Mercury	0.00181	0.00020	0.000037	mg/L	0.00200		90.5	80-120			
LCS Dup (B1J2006-BSD1)		Prepared & Analyzed: 10/20/11									
Mercury	0.00179	0.00020	0.000037	mg/L	0.00200		89.5	80-120	1.11	20	
Matrix Spike (B1J2006-MS1)		Source: 1104973-07			Prepared & Analyzed: 10/20/11						
Mercury	0.00197	0.00020	0.000037	mg/L	0.00200	<0.00020	98.5	75-125			
Matrix Spike Dup (B1J2006-MSD1)		Source: 1104973-07			Prepared & Analyzed: 10/20/11						
Mercury	0.00178	0.00020	0.000037	mg/L	0.00200	<0.00020	89.0	75-125	10.1	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2612 - General Preparation											
Duplicate (B1J2612-DUP1)											
% Solids	71.0			%		71.0			0.00	20	
Duplicate (B1J2612-DUP2)											
% Solids	92.0			%		93.0			1.08	20	
Duplicate (B1J2612-DUP3)											
% Solids	98.0			%		99.0			1.02	20	
Duplicate (B1J2612-DUP4)											
% Solids	99.0			%		99.0			0.00	20	
Duplicate (B1J2612-DUP5)											
% Solids	97.0			%		97.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Blank (B1J2404-BLK1)

Prepared & Analyzed: 10/24/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Blank (B1J2404-BLK1)

Prepared & Analyzed: 10/24/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.52			mg/kg wet	6.67		67.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.28			mg/kg wet	6.67		64.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.15			mg/kg wet	6.67		62.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg wet	6.67		59.0	48.9-100			
Surrogate: Phenol-d6	4.02			mg/kg wet	6.67		60.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.65			mg/kg wet	6.67		84.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

LCS (B1J2404-BS1)

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	3.98	0.33	0.031	mg/kg wet	6.67		59.8	59.1-87.7			
1,4-Dichlorobenzene	3.72	0.33	0.029	mg/kg wet	6.67		55.9	50.3-72.9			
2,4-Dinitrotoluene	4.64	0.33	0.035	mg/kg wet	6.67		69.7	59.8-82.2			
2-Chlorophenol	4.54	0.67	0.060	mg/kg wet	6.67		68.1	59.7-77.3			
4-Chloro-3-methylphenol	4.74	0.67	0.066	mg/kg wet	6.67		71.2	63.6-80.4			
4-Nitrophenol	5.06	0.67	0.093	mg/kg wet	6.67		75.8	57.3-84.9			
Anthracene	5.18	0.33	0.036	mg/kg wet	6.67		77.8	67.3-88			
Benzo(a)anthracene	4.98	0.33	0.041	mg/kg wet	6.67		74.7	66.5-90.5			
Benzo(a)pyrene	4.97	0.33	0.042	mg/kg wet	6.67		74.6	66.1-89.7			
Chrysene	5.04	0.33	0.044	mg/kg wet	6.67		75.6	65.5-90.5			
Fluoranthene	5.17	0.33	0.039	mg/kg wet	6.67		77.5	66.7-89.9			
Fluorene	4.65	0.33	0.035	mg/kg wet	6.67		69.8	66.2-85.6			
N-Nitrosodi-n-propylamine	4.12	0.33	0.033	mg/kg wet	6.67		61.8	59.4-78			
Pentachlorophenol	4.57	0.67	0.078	mg/kg wet	6.67		68.6	46.7-83.2			
Phenanthrene	5.09	0.33	0.036	mg/kg wet	6.67		76.4	67.5-87.9			
Phenol	4.40	0.67	0.069	mg/kg wet	6.67		65.9	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.92			mg/kg wet	6.67		73.8	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.45			mg/kg wet	6.67		66.7	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.16			mg/kg wet	6.67		62.4	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	3.98			mg/kg wet	6.67		59.7	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.49			mg/kg wet	6.67		67.3	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.36			mg/kg wet	6.67		65.4	51-99.6			

Matrix Spike (B1J2404-MS1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.50	0.38	0.036	mg/kg dry	7.76	<0.38	58.0	44.8-97.9			
1,4-Dichlorobenzene	3.93	0.38	0.033	mg/kg dry	7.76	<0.38	50.7	42.3-77.9			
2,4-Dinitrotoluene	5.62	0.38	0.040	mg/kg dry	7.76	<0.38	72.4	57.3-86.6			
2-Chlorophenol	4.97	0.77	0.069	mg/kg dry	7.76	<0.77	64.1	43.3-93.2			
4-Chloro-3-methylphenol	5.52	0.77	0.076	mg/kg dry	7.76	<0.77	71.1	47.1-97.6			
4-Nitrophenol	6.28	0.77	0.11	mg/kg dry	7.76	<0.77	81.0	49.3-96.2			
Anthracene	6.39	0.38	0.041	mg/kg dry	7.76	<0.38	81.3	67.5-93.1			
Benzo(a)anthracene	6.50	0.38	0.047	mg/kg dry	7.76	<0.38	80.2	59.8-95.7			
Benzo(a)pyrene	6.41	0.38	0.048	mg/kg dry	7.76	<0.38	80.0	59.8-92.7			
Chrysene	6.58	0.38	0.051	mg/kg dry	7.76	<0.38	81.0	62.5-94.6			
Fluoranthene	6.93	0.38	0.045	mg/kg dry	7.76	0.471	83.2	61.3-92.8			
Fluorene	5.61	0.38	0.040	mg/kg dry	7.76	<0.38	72.3	62.8-92.6			
N-Nitrosodi-n-propylamine	4.91	0.38	0.038	mg/kg dry	7.76	<0.38	63.2	46.9-89.9			
Pentachlorophenol	7.30	0.77	0.090	mg/kg dry	7.76	1.00	81.1	40.1-95.1			
Phenanthrene	6.55	0.38	0.041	mg/kg dry	7.76	<0.38	80.9	65.2-92.2			
Phenol	4.83	0.77	0.079	mg/kg dry	7.76	<0.77	62.2	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Matrix Spike (B1J2404-MS1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

Surrogate: 2,4,6-Tribromophenol	6.60			mg/kg dry	7.76		85.1	53-107			
Surrogate: 2-Fluorobiphenyl	5.41			mg/kg dry	7.76		69.7	53.9-97.9			
Surrogate: 2-Fluorophenol	5.06			mg/kg dry	7.76		65.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.57			mg/kg dry	7.76		58.8	48.9-100			
Surrogate: Phenol-d6	5.38			mg/kg dry	7.76		69.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.59			mg/kg dry	7.76		72.1	51-99.6			

Matrix Spike Dup (B1J2404-MSD1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	5.19	0.38	0.036	mg/kg dry	7.78	<0.38	66.7	44.8-97.9	14.3	19.6	
1,4-Dichlorobenzene	4.61	0.38	0.033	mg/kg dry	7.78	<0.38	59.3	42.3-77.9	15.9	22.4	
2,4-Dinitrotoluene	5.39	0.38	0.040	mg/kg dry	7.78	<0.38	69.3	57.3-86.6	4.12	19.5	
2-Chlorophenol	5.42	0.77	0.069	mg/kg dry	7.78	<0.77	69.6	43.3-93.2	8.57	23.7	
4-Chloro-3-methylphenol	5.76	0.77	0.076	mg/kg dry	7.78	<0.77	74.1	47.1-97.6	4.25	18.3	
4-Nitrophenol	6.10	0.77	0.11	mg/kg dry	7.78	<0.77	78.5	49.3-96.2	2.94	20.4	
Anthracene	6.21	0.38	0.041	mg/kg dry	7.78	<0.38	78.7	67.5-93.1	2.94	19.9	
Benzo(a)anthracene	6.08	0.38	0.047	mg/kg dry	7.78	<0.38	74.6	59.8-95.7	6.74	23.4	
Benzo(a)pyrene	5.98	0.38	0.048	mg/kg dry	7.78	<0.38	74.4	59.8-92.7	6.93	21.1	
Chrysene	6.10	0.38	0.051	mg/kg dry	7.78	<0.38	74.8	62.5-94.6	7.51	24.8	
Fluoranthene	6.54	0.38	0.045	mg/kg dry	7.78	0.471	78.0	61.3-92.8	5.80	21.8	
Fluorene	5.81	0.38	0.040	mg/kg dry	7.78	<0.38	74.7	62.8-92.6	3.49	17.6	
N-Nitrosodi-n-propylamine	5.10	0.38	0.038	mg/kg dry	7.78	<0.38	65.6	46.9-89.9	3.86	18.9	
Pentachlorophenol	6.69	0.77	0.090	mg/kg dry	7.78	1.00	73.1	40.1-95.1	8.63	19.7	
Phenanthrene	6.39	0.38	0.041	mg/kg dry	7.78	<0.38	78.6	65.2-92.2	2.55	20.5	
Phenol	5.15	0.77	0.079	mg/kg dry	7.78	<0.77	66.2	44.7-91	6.41	17.9	
Surrogate: 2,4,6-Tribromophenol	6.47			mg/kg dry	7.78		83.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.85			mg/kg dry	7.78		75.2	53.9-97.9			
Surrogate: 2-Fluorophenol	5.49			mg/kg dry	7.78		70.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.20			mg/kg dry	7.78		66.8	48.9-100			
Surrogate: Phenol-d6	5.73			mg/kg dry	7.78		73.6	50.4-99.6			
Surrogate: Terphenyl-d14	5.10			mg/kg dry	7.78		65.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2409 - EPA 3510C (Sep Funnel)

Blank (B1J2409-BLK1)

Prepared & Analyzed: 10/24/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2409 - EPA 3510C (Sep Funnel)

Blank (B1J2409-BLK1)

Prepared & Analyzed: 10/24/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	75.9			ug/L	100		75.9	30-122			
Surrogate: 2-Fluorobiphenyl	73.0			ug/L	100		73.0	39.2-104			
Surrogate: 2-Fluorophenol	60.0			ug/L	100		60.0	30-80.1			
Surrogate: Nitrobenzene-d5	64.4			ug/L	100		64.4	51.2-103			
Surrogate: Phenol-d6	59.7			ug/L	100		59.7	30-75.3			
Surrogate: Terphenyl-d14	66.9			ug/L	100		66.9	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2409 - EPA 3510C (Sep Funnel)

LCS (B1J2409-BS1)

Prepared: 10/24/11 Analyzed: 10/26/11

1,2,4-Trichlorobenzene	66.7	10	0.30	ug/L	100		66.7	47.4-88.7			
1,4-Dichlorobenzene	69.0	10	0.29	ug/L	100		69.0	39.5-81			
2,4-Dinitrotoluene	87.3	10	0.45	ug/L	100		87.3	67.2-99.3			
2-Chlorophenol	70.6	10	0.39	ug/L	100		70.6	56.5-85.9			
4-Chloro-3-methylphenol	76.9	10	0.48	ug/L	100		76.9	62.1-98.2			
4-Nitrophenol	84.9	10	0.78	ug/L	100		84.9	40.5-98.5			
Anthracene	84.2	10	0.56	ug/L	100		84.2	70.6-95.3			
Benzo(a)anthracene	90.6	10	0.50	ug/L	100		90.6	73.7-96.6			
Benzo(a)pyrene	81.1	10	0.41	ug/L	100		81.1	70.9-92.6			
Chrysene	92.4	10	0.61	ug/L	100		92.4	71.8-97.5			
Fluoranthene	92.7	10	0.61	ug/L	100		92.7	73.6-96.8			
Fluorene	94.3	10	0.52	ug/L	100		94.3	69.3-93.3			L1a
N-Nitrosodi-n-propylamine	66.0	10	0.25	ug/L	100		66.0	65.9-89.3			
Pentachlorophenol	85.6	10	0.90	ug/L	100		85.6	55-107			
Phenanthrene	87.2	10	0.35	ug/L	100		87.2	72.5-97.6			
Phenol	63.7	10	0.41	ug/L	100		63.7	34.1-71.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	86.6			ug/L	100		86.6	30-122			
<i>Surrogate: 2-Fluorobiphenyl</i>	75.6			ug/L	100		75.6	39.2-104			
<i>Surrogate: 2-Fluorophenol</i>	67.2			ug/L	100		67.2	30-80.1			
<i>Surrogate: Nitrobenzene-d5</i>	70.3			ug/L	100		70.3	51.2-103			
<i>Surrogate: Phenol-d6</i>	67.0			ug/L	100		67.0	30-75.3			
<i>Surrogate: Terphenyl-d14</i>	74.7			ug/L	100		74.7	30-116			

LCS Dup (B1J2409-BSD1)

Prepared: 10/24/11 Analyzed: 10/26/11

Q9, QM-10

1,2,4-Trichlorobenzene	62.9	10	0.30	ug/L	100		62.9	47.4-88.7	5.88	20	
1,4-Dichlorobenzene	64.5	10	0.29	ug/L	100		64.5	39.5-81	6.80	20	
2,4-Dinitrotoluene	88.5	10	0.45	ug/L	100		88.5	67.2-99.3	1.33	20	
2-Chlorophenol	71.8	10	0.39	ug/L	100		71.8	56.5-85.9	1.69	20	
4-Chloro-3-methylphenol	77.2	10	0.48	ug/L	100		77.2	62.1-98.2	0.386	20	
4-Nitrophenol	86.4	10	0.78	ug/L	100		86.4	40.5-98.5	1.69	20	
Anthracene	84.8	10	0.56	ug/L	100		84.8	70.6-95.3	0.692	20	
Benzo(a)anthracene	92.0	10	0.50	ug/L	100		92.0	73.7-96.6	1.54	20	
Benzo(a)pyrene	82.9	10	0.41	ug/L	100		82.9	70.9-92.6	2.23	20	
Chrysene	93.7	10	0.61	ug/L	100		93.7	71.8-97.5	1.37	20	
Fluoranthene	94.0	10	0.61	ug/L	100		94.0	73.6-96.8	1.36	20	
Fluorene	95.1	10	0.52	ug/L	100		95.1	69.3-93.3	0.882	20	L1a
N-Nitrosodi-n-propylamine	67.5	10	0.25	ug/L	100		67.5	65.9-89.3	2.26	20	
Pentachlorophenol	87.8	10	0.90	ug/L	100		87.8	55-107	2.49	20	
Phenanthrene	87.3	10	0.35	ug/L	100		87.3	72.5-97.6	0.146	20	
Phenol	64.5	10	0.41	ug/L	100		64.5	34.1-71.6	1.20	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2409 - EPA 3510C (Sep Funnel)

LCS Dup (B1J2409-BSD1)

Prepared: 10/24/11 Analyzed: 10/26/11

Q9, QM-10

Surrogate: 2,4,6-Tribromophenol	86.6			ug/L	100		86.6	30-122			
Surrogate: 2-Fluorobiphenyl	77.2			ug/L	100		77.2	39.2-104			
Surrogate: 2-Fluorophenol	68.2			ug/L	100		68.2	30-80.1			
Surrogate: Nitrobenzene-d5	70.2			ug/L	100		70.2	51.2-103			
Surrogate: Phenol-d6	67.8			ug/L	100		67.8	30-75.3			
Surrogate: Terphenyl-d14	75.4			ug/L	100		75.4	30-116			

Matrix Spike (B1J2409-MS1)

Source: 1105090-01

Prepared & Analyzed: 10/24/11

1,2,4-Trichlorobenzene	68.2	10	0.30	ug/L	101	<10	67.8	39.2-90.6			
1,4-Dichlorobenzene	70.8	10	0.29	ug/L	101	<10	70.5	34.1-81.6			
2,4-Dinitrotoluene	83.4	10	0.45	ug/L	101	<10	83.0	41.1-110			
2-Chlorophenol	70.1	10	0.39	ug/L	101	<10	69.7	30-96.4			
4-Chloro-3-methylphenol	74.4	10	0.48	ug/L	101	<10	74.1	30-113			
4-Nitrophenol	82.9	10	0.78	ug/L	101	<10	82.4	30-112			
Anthracene	77.5	10	0.56	ug/L	101	<10	77.1	30-119			
Benzo(a)anthracene	82.1	10	0.50	ug/L	101	<10	81.7	30-122			
Benzo(a)pyrene	75.0	10	0.41	ug/L	101	<10	74.6	30-118			
Chrysene	84.8	10	0.61	ug/L	101	<10	84.3	30-125			
Fluoranthene	82.5	10	0.61	ug/L	101	<10	82.1	31.6-119			
Fluorene	80.8	10	0.52	ug/L	101	<10	80.4	40.8-107			
N-Nitrosodi-n-propylamine	68.4	10	0.25	ug/L	101	<10	68.1	47.2-94.8			
Pentachlorophenol	91.0	10	0.90	ug/L	101	<10	90.6	30-130			
Phenanthrene	79.6	10	0.35	ug/L	101	<10	79.2	38.2-117			
Phenol	60.5	10	0.41	ug/L	101	<10	60.2	30-80			
Surrogate: 2,4,6-Tribromophenol	86.6			ug/L	101		86.1	30-122			
Surrogate: 2-Fluorobiphenyl	78.3			ug/L	101		77.9	39.2-104			
Surrogate: 2-Fluorophenol	65.7			ug/L	101		65.4	30-80.1			
Surrogate: Nitrobenzene-d5	70.3			ug/L	101		70.0	51.2-103			
Surrogate: Phenol-d6	65.5			ug/L	101		65.1	30-75.3			
Surrogate: Terphenyl-d14	72.6			ug/L	101		72.3	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105029 Date Reported: 10/27/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
QM-10	LCS/LCSD were analyzed in place of MS/MSD.
Q9	Insufficient sample received to meet method QC requirements.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
L1a	The associated blank spike recovery was above laboratory acceptance limits.
J	Parameter was present between the MDL and RL and should be considered an estimated value
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
 4700 West 77th Street
BARR Minneapolis, MN 55435-4803
 (952) 832-2600

1105029

Project Number: 23/19-1092 Y8RE 820
 Project Name: Umae East RE - GOW East
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: **№ 37390**

Number of Containers/Preservative		COC
Water	Soil	
		1 of 2
		Project Manager: <u>JME</u>
		Project OC Contact: <u>AAN</u>
		Sampled by: <u>ADN/SRNZ</u>
		Laboratory: <u>Legend</u>

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (stared MeOH) #1	GRO, BTEX (stared MeOH) #1	DEQ (stared unpreserved) Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers	
						Water	Soil	Grab	Comp.														QC
1. 617A-SS2	0.5	0.5	FT	10/17/2011	8:40	X	X																1 Analyze RCRA metals
2. 617A-SS3					8:50	X	X																2 Analyze RCRA metals, SVOCs
3. 617A-SS13					9:00	X	X																1 Analyze RCRA metals
4. 617A-SS14					9:10	X	X																1 ↓
5. 617A-SS15					9:20	X	X	X															6 Analyze RCRA metals, SVOCs MS/MSD
6. 617A-SS9					12:20	X	X																1 Analyze RCRA metals
7. 617A-SS11					12:30	X	X	X															6 Analyze RCRA metals, SVOCs MS/MSD
8. 617A-SS10					12:40	X	X																1 Analyze RCRA metals
9. 617A-SS12					12:50	X	X																1 ↓
10. 617A-SS4	↓	↓	↓	↓	13:00	X	X																1 ↓

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
5.0E PP/cust.

Relinquished By: <u>[Signature]</u>	On Ice? <input checked="" type="radio"/> N	Date: 10/18/11	Time:	Received by:	Date:	Time:
Relinquished By:	On Ice? <input type="radio"/> Y <input type="radio"/> N	Date:	Time:	Received by: <u>Kelly Roeker</u>	Date: 10/18/11	Time: 10:25
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other: _____				Air Bill Number:		

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Legend Technical Services, Inc. The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 27, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105031
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/18/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink that reads "T-LE".

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105031 Date Reported: 10/27/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OP-TT14_4-4	1105031-01	Soil	10/17/11 10:45	10/18/11 10:25
OP-TT12_4-4	1105031-02	Soil	10/17/11 12:15	10/18/11 10:25
OP-TT13_4-4	1105031-03	Soil	10/17/11 12:30	10/18/11 10:25
D7-TT13_0.5-0.5	1105031-04	Soil	10/17/11 15:45	10/18/11 10:25
CAP-TT26_0.5-0.5	1105031-05	Soil	10/17/11 16:45	10/18/11 10:25

Shipping Container Information

Default Cooler Temperature (°C): 4.7

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

The recovery for barium in the MS sample for batch B1J1905 was outside of the laboratory control limits. The LCS/LCSD, MSD samples, and %RPDs were within limits. The MS/MSD source sample was not associated with this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105031 Date Reported: 10/27/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT14_4-4 (1105031-01) Soil Sampled: 10/17/11 10:45 Received: 10/18/11 10:25										
Arsenic	1.5	0.51	0.056	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	13	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	6.3	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.8	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
OP-TT12_4-4 (1105031-02) Soil Sampled: 10/17/11 12:15 Received: 10/18/11 10:25										
Arsenic	1.6	0.51	0.056	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	23	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	9.6	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.2	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
OP-TT13_4-4 (1105031-03) Soil Sampled: 10/17/11 12:30 Received: 10/18/11 10:25										
Arsenic	1.5	0.51	0.056	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	16	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.0	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.6	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.090	0.090	0.017	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
D7-TT13_0.5-0.5 (1105031-04) Soil Sampled: 10/17/11 15:45 Received: 10/18/11 10:25										
Arsenic	1.6	0.51	0.056	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	17	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	6.6	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.6	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.088	0.088	0.017	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
CAP-TT26_0.5-0.5 (1105031-05) Soil Sampled: 10/17/11 16:45 Received: 10/18/11 10:25										
Arsenic	4.6	0.51	0.056	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT26_0.5-0.5 (1105031-05) Soil Sampled: 10/17/11 16:45 Received: 10/18/11 10:25										
Barium	76	1.0	0.061	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	13	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	9.3	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.090	0.090	0.017	mg/kg dry	1	B1J1913	10/19/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT14_4-4 (1105031-01) Soil Sampled: 10/17/11 10:45 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2505	10/25/11	10/25/11	% calculation	
OP-TT12_4-4 (1105031-02) Soil Sampled: 10/17/11 12:15 Received: 10/18/11 10:25										
% Solids	98			%	1	B1J2505	10/25/11	10/25/11	% calculation	
OP-TT13_4-4 (1105031-03) Soil Sampled: 10/17/11 12:30 Received: 10/18/11 10:25										
% Solids	98			%	1	B1J2505	10/25/11	10/25/11	% calculation	
D7-TT13_0.5-0.5 (1105031-04) Soil Sampled: 10/17/11 15:45 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2505	10/25/11	10/25/11	% calculation	
CAP-TT26_0.5-0.5 (1105031-05) Soil Sampled: 10/17/11 16:45 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2505	10/25/11	10/25/11	% calculation	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D7-TT13_0.5-0.5 (1105031-04) Soil Sampled: 10/17/11 15:45 Received: 10/18/11 10:25										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D7-TT13_0.5-0.5 (1105031-04) Soil Sampled: 10/17/11 15:45 Received: 10/18/11 10:25										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	65.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	56.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	53.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	51.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	51.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	79.8			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT26_0.5-0.5 (1105031-05) Soil Sampled: 10/17/11 16:45 Received: 10/18/11 10:25										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT26_0.5-0.5 (1105031-05) Soil Sampled: 10/17/11 16:45 Received: 10/18/11 10:25										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	86.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	79.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	82.3			51-99.6 %		"	"	"	"	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1905 - EPA 3050B

Blank (B1J1905-BLK1)

Prepared & Analyzed: 10/19/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1905-BS1)

Prepared & Analyzed: 10/19/11

Arsenic	41.2	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	43.0	1.0	0.060	mg/kg wet	39.9		108	80-120			
Cadmium	41.4	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	41.9	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	42.4	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.14	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1J1905-BSD1)

Prepared & Analyzed: 10/19/11

Arsenic	40.9	0.50	0.055	mg/kg wet	39.9		103	80-120	0.708	20	
Barium	43.0	1.0	0.060	mg/kg wet	39.9		108	80-120	0.121	20	
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120	0.714	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		105	80-120	0.561	20	
Lead	42.3	1.0	0.14	mg/kg wet	39.9		106	80-120	0.237	20	
Selenium	40.8	1.0	0.095	mg/kg wet	39.9		102	80-120	0.365	20	
Silver	4.15	0.25	0.016	mg/kg wet	3.99		104	80-120	0.291	20	

Matrix Spike (B1J1905-MS1)

Source: 1105029-01

Prepared & Analyzed: 10/19/11

Arsenic	52.2	0.56	0.061	mg/kg dry	43.5	10.2	96.7	75-125			
Barium	198	1.1	0.067	mg/kg dry	43.5	143	126	75-125			M1
Cadmium	42.4	0.28	0.037	mg/kg dry	43.5	<0.28	96.9	75-125			
Chromium	58.6	0.56	0.013	mg/kg dry	43.5	15.4	99.2	75-125			
Lead	55.3	1.1	0.16	mg/kg dry	43.5	12.6	98.2	75-125			
Selenium	41.6	1.1	0.11	mg/kg dry	43.5	<1.1	95.7	75-125			
Silver	4.19	0.28	0.018	mg/kg dry	4.35	<0.28	96.3	75-125			

Matrix Spike Dup (B1J1905-MSD1)

Source: 1105029-01

Prepared & Analyzed: 10/19/11

Arsenic	52.4	0.56	0.061	mg/kg dry	43.7	10.2	96.6	75-125	0.234	20	
Barium	194	1.1	0.067	mg/kg dry	43.7	143	116	75-125	2.15	20	
Cadmium	42.6	0.28	0.037	mg/kg dry	43.7	<0.28	96.9	75-125	0.374	20	
Chromium	59.6	0.56	0.013	mg/kg dry	43.7	15.4	101	75-125	1.68	20	
Lead	55.1	1.1	0.16	mg/kg dry	43.7	12.6	97.2	75-125	0.452	20	
Selenium	41.9	1.1	0.11	mg/kg dry	43.7	<1.1	95.9	75-125	0.691	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105031 Date Reported: 10/27/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1905 - EPA 3050B											
Matrix Spike Dup (B1J1905-MSD1)			Source: 1105029-01			Prepared & Analyzed: 10/19/11					
Silver	4.19	0.28	0.018	mg/kg dry	4.37	<0.28	96.0	75-125	0.0896	20	
Batch B1J1913 - EPA 7471A											
Blank (B1J1913-BLK1)			Prepared: 10/19/11 Analyzed: 10/24/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1913-BS1)			Prepared: 10/19/11 Analyzed: 10/24/11								
Mercury	0.201	0.10	0.019	mg/kg wet	0.200		100	80-120			
LCS Dup (B1J1913-BSD1)			Prepared: 10/19/11 Analyzed: 10/24/11								
Mercury	0.198	0.10	0.019	mg/kg wet	0.200		99.0	80-120	1.50	20	
Matrix Spike (B1J1913-MS1)			Source: 1105029-01			Prepared: 10/19/11 Analyzed: 10/24/11					
Mercury	0.236	0.11	0.021	mg/kg dry	0.214	<0.11	89.0	75-125			
Matrix Spike Dup (B1J1913-MSD1)			Source: 1105029-01			Prepared: 10/19/11 Analyzed: 10/24/11					
Mercury	0.228	0.11	0.021	mg/kg dry	0.212	<0.11	86.3	75-125	3.31	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105031 Date Reported: 10/27/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J2505 - General Preparation												
Duplicate (B1J2505-DUP1)							Source: 1105003-02					Prepared & Analyzed: 10/25/11
% Solids	95.0			%		95.0			0.00	20		
Duplicate (B1J2505-DUP2)							Source: 1105005-02					Prepared & Analyzed: 10/25/11
% Solids	95.0			%		95.0			0.00	20		
Duplicate (B1J2505-DUP3)							Source: 1105031-04					Prepared & Analyzed: 10/25/11
% Solids	89.0			%		99.0			10.6	20		
Duplicate (B1J2505-DUP4)							Source: 1105031-05					Prepared & Analyzed: 10/25/11
% Solids	90.0			%		99.0			9.52	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105031 Date Reported: 10/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Blank (B1J2404-BLK1)

Prepared & Analyzed: 10/24/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105031 Date Reported: 10/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Blank (B1J2404-BLK1)

Prepared & Analyzed: 10/24/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.52			mg/kg wet	6.67		67.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.28			mg/kg wet	6.67		64.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.15			mg/kg wet	6.67		62.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg wet	6.67		59.0	48.9-100			
Surrogate: Phenol-d6	4.02			mg/kg wet	6.67		60.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.65			mg/kg wet	6.67		84.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105031 Date Reported: 10/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

LCS (B1J2404-BS1)

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	3.98	0.33	0.031	mg/kg wet	6.67		59.8	59.1-87.7			
1,4-Dichlorobenzene	3.72	0.33	0.029	mg/kg wet	6.67		55.9	50.3-72.9			
2,4-Dinitrotoluene	4.64	0.33	0.035	mg/kg wet	6.67		69.7	59.8-82.2			
2-Chlorophenol	4.54	0.67	0.060	mg/kg wet	6.67		68.1	59.7-77.3			
4-Chloro-3-methylphenol	4.74	0.67	0.066	mg/kg wet	6.67		71.2	63.6-80.4			
4-Nitrophenol	5.06	0.67	0.093	mg/kg wet	6.67		75.8	57.3-84.9			
Anthracene	5.18	0.33	0.036	mg/kg wet	6.67		77.8	67.3-88			
Benzo(a)anthracene	4.98	0.33	0.041	mg/kg wet	6.67		74.7	66.5-90.5			
Benzo(a)pyrene	4.97	0.33	0.042	mg/kg wet	6.67		74.6	66.1-89.7			
Chrysene	5.04	0.33	0.044	mg/kg wet	6.67		75.6	65.5-90.5			
Fluoranthene	5.17	0.33	0.039	mg/kg wet	6.67		77.5	66.7-89.9			
Fluorene	4.65	0.33	0.035	mg/kg wet	6.67		69.8	66.2-85.6			
N-Nitrosodi-n-propylamine	4.12	0.33	0.033	mg/kg wet	6.67		61.8	59.4-78			
Pentachlorophenol	4.57	0.67	0.078	mg/kg wet	6.67		68.6	46.7-83.2			
Phenanthrene	5.09	0.33	0.036	mg/kg wet	6.67		76.4	67.5-87.9			
Phenol	4.40	0.67	0.069	mg/kg wet	6.67		65.9	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.92			mg/kg wet	6.67		73.8	53-107			
Surrogate: 2-Fluorobiphenyl	4.45			mg/kg wet	6.67		66.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.16			mg/kg wet	6.67		62.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.98			mg/kg wet	6.67		59.7	48.9-100			
Surrogate: Phenol-d6	4.49			mg/kg wet	6.67		67.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.36			mg/kg wet	6.67		65.4	51-99.6			

Matrix Spike (B1J2404-MS1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.50	0.38	0.036	mg/kg dry	7.76	<0.38	58.0	44.8-97.9			
1,4-Dichlorobenzene	3.93	0.38	0.033	mg/kg dry	7.76	<0.38	50.7	42.3-77.9			
2,4-Dinitrotoluene	5.62	0.38	0.040	mg/kg dry	7.76	<0.38	72.4	57.3-86.6			
2-Chlorophenol	4.97	0.77	0.069	mg/kg dry	7.76	<0.77	64.1	43.3-93.2			
4-Chloro-3-methylphenol	5.52	0.77	0.076	mg/kg dry	7.76	<0.77	71.1	47.1-97.6			
4-Nitrophenol	6.28	0.77	0.11	mg/kg dry	7.76	<0.77	81.0	49.3-96.2			
Anthracene	6.39	0.38	0.041	mg/kg dry	7.76	<0.38	81.3	67.5-93.1			
Benzo(a)anthracene	6.50	0.38	0.047	mg/kg dry	7.76	<0.38	80.2	59.8-95.7			
Benzo(a)pyrene	6.41	0.38	0.048	mg/kg dry	7.76	<0.38	80.0	59.8-92.7			
Chrysene	6.58	0.38	0.051	mg/kg dry	7.76	<0.38	81.0	62.5-94.6			
Fluoranthene	6.93	0.38	0.045	mg/kg dry	7.76	0.471	83.2	61.3-92.8			
Fluorene	5.61	0.38	0.040	mg/kg dry	7.76	<0.38	72.3	62.8-92.6			
N-Nitrosodi-n-propylamine	4.91	0.38	0.038	mg/kg dry	7.76	<0.38	63.2	46.9-89.9			
Pentachlorophenol	7.30	0.77	0.090	mg/kg dry	7.76	1.00	81.1	40.1-95.1			
Phenanthrene	6.55	0.38	0.041	mg/kg dry	7.76	<0.38	80.9	65.2-92.2			
Phenol	4.83	0.77	0.079	mg/kg dry	7.76	<0.77	62.2	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105031 Date Reported: 10/27/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Matrix Spike (B1J2404-MS1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

Surrogate: 2,4,6-Tribromophenol	6.60			mg/kg dry	7.76		85.1	53-107			
Surrogate: 2-Fluorobiphenyl	5.41			mg/kg dry	7.76		69.7	53.9-97.9			
Surrogate: 2-Fluorophenol	5.06			mg/kg dry	7.76		65.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.57			mg/kg dry	7.76		58.8	48.9-100			
Surrogate: Phenol-d6	5.38			mg/kg dry	7.76		69.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.59			mg/kg dry	7.76		72.1	51-99.6			

Matrix Spike Dup (B1J2404-MSD1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	5.19	0.38	0.036	mg/kg dry	7.78	<0.38	66.7	44.8-97.9	14.3	19.6	
1,4-Dichlorobenzene	4.61	0.38	0.033	mg/kg dry	7.78	<0.38	59.3	42.3-77.9	15.9	22.4	
2,4-Dinitrotoluene	5.39	0.38	0.040	mg/kg dry	7.78	<0.38	69.3	57.3-86.6	4.12	19.5	
2-Chlorophenol	5.42	0.77	0.069	mg/kg dry	7.78	<0.77	69.6	43.3-93.2	8.57	23.7	
4-Chloro-3-methylphenol	5.76	0.77	0.076	mg/kg dry	7.78	<0.77	74.1	47.1-97.6	4.25	18.3	
4-Nitrophenol	6.10	0.77	0.11	mg/kg dry	7.78	<0.77	78.5	49.3-96.2	2.94	20.4	
Anthracene	6.21	0.38	0.041	mg/kg dry	7.78	<0.38	78.7	67.5-93.1	2.94	19.9	
Benzo(a)anthracene	6.08	0.38	0.047	mg/kg dry	7.78	<0.38	74.6	59.8-95.7	6.74	23.4	
Benzo(a)pyrene	5.98	0.38	0.048	mg/kg dry	7.78	<0.38	74.4	59.8-92.7	6.93	21.1	
Chrysene	6.10	0.38	0.051	mg/kg dry	7.78	<0.38	74.8	62.5-94.6	7.51	24.8	
Fluoranthene	6.54	0.38	0.045	mg/kg dry	7.78	0.471	78.0	61.3-92.8	5.80	21.8	
Fluorene	5.81	0.38	0.040	mg/kg dry	7.78	<0.38	74.7	62.8-92.6	3.49	17.6	
N-Nitrosodi-n-propylamine	5.10	0.38	0.038	mg/kg dry	7.78	<0.38	65.6	46.9-89.9	3.86	18.9	
Pentachlorophenol	6.69	0.77	0.090	mg/kg dry	7.78	1.00	73.1	40.1-95.1	8.63	19.7	
Phenanthrene	6.39	0.38	0.041	mg/kg dry	7.78	<0.38	78.6	65.2-92.2	2.55	20.5	
Phenol	5.15	0.77	0.079	mg/kg dry	7.78	<0.77	66.2	44.7-91	6.41	17.9	
Surrogate: 2,4,6-Tribromophenol	6.47			mg/kg dry	7.78		83.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.85			mg/kg dry	7.78		75.2	53.9-97.9			
Surrogate: 2-Fluorophenol	5.49			mg/kg dry	7.78		70.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.20			mg/kg dry	7.78		66.8	48.9-100			
Surrogate: Phenol-d6	5.73			mg/kg dry	7.78		73.6	50.4-99.6			
Surrogate: Terphenyl-d14	5.10			mg/kg dry	7.78		65.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105031 Date Reported: 10/27/11
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Notes and Definitions

T-1 MDH does not offer certification for this parameter.
M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 28, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105032
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/18/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink that reads "D. Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CAP-TT22_2-2	1105032-01	Soil	10/17/11 08:00	10/18/11 10:25
CAP-TT15_1-1	1105032-02	Soil	10/17/11 08:15	10/18/11 10:25
CAP-TT12_1-1	1105032-03	Soil	10/17/11 08:30	10/18/11 10:25
CAP-TT23_1-1	1105032-04	Soil	10/17/11 09:00	10/18/11 10:25
CAP-TT13_1-1	1105032-05	Soil	10/17/11 09:15	10/18/11 10:25
CAP-TT24_1-1	1105032-06	Soil	10/17/11 09:30	10/18/11 10:25
OP-TT9_2-2	1105032-07	Soil	10/17/11 09:45	10/18/11 10:25
CAP-TT7A_1-1	1105032-08	Soil	10/17/11 10:00	10/18/11 10:25
OP-TT10_2-2	1105032-09	Soil	10/17/11 10:15	10/18/11 10:25
OP-TT11_2-2	1105032-10	Soil	10/17/11 10:30	10/18/11 10:25
OP-TT14_2-2	1105032-11	Soil	10/17/11 10:45	10/18/11 10:25
OP-TT12_2-2	1105032-12	Soil	10/17/11 11:00	10/18/11 10:25
OP-TT13_2-2	1105032-13	Soil	10/17/11 12:15	10/18/11 10:25
CAP-TT25_6-6	1105032-14	Soil	10/17/11 12:30	10/18/11 10:25
CAP-TT16_6-6	1105032-15	Soil	10/17/11 13:00	10/18/11 10:25
CAP-TT17_6-6	1105032-16	Soil	10/17/11 13:45	10/18/11 10:25
CAP-TT19_1-1	1105032-17	Soil	10/17/11 14:00	10/18/11 10:25
D7-TT1_4-4	1105032-18	Soil	10/17/11 14:30	10/18/11 10:25
D7-TT1_8-8	1105032-19	Soil	10/17/11 15:00	10/18/11 10:25
D7-TT2_0.5-0.5	1105032-20	Soil	10/17/11 15:30	10/18/11 10:25

Shipping Container Information

Default Cooler Temperature (°C): 4.7

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Recoveries of the 8082 surrogate decachlorobiphenyl, surrogate tetrachloro-meta-xylene, and Aroclor 1260 in the batch B1J2406 MSD and the corresponding %RPD were outside laboratory acceptance limits. Recoveries of the surrogates and spike were within limits in the LCS/MS. The source sample was not associated with this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT22_2-2 (1105032-01) Soil Sampled: 10/17/11 08:00 Received: 10/18/11 10:25										
Arsenic	1.7	0.51	0.056	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	18	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	6.2	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.7	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.089	0.089	0.017	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
CAP-TT15_1-1 (1105032-02) Soil Sampled: 10/17/11 08:15 Received: 10/18/11 10:25										
Arsenic	1.7	0.51	0.056	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	24	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	7.8	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.6	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
CAP-TT12_1-1 (1105032-03) Soil Sampled: 10/17/11 08:30 Received: 10/18/11 10:25										
Arsenic	2.0	0.51	0.056	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	29	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	9.9	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.8	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
CAP-TT23_1-1 (1105032-04) Soil Sampled: 10/17/11 09:00 Received: 10/18/11 10:25										
Arsenic	3.7	0.48	0.053	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	52	0.96	0.058	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	12	0.48	0.012	mg/kg dry	1	"	"	"	"	
Lead	4.9	0.96	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.017	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<0.96	0.96	0.091	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
CAP-TT13_1-1 (1105032-05) Soil Sampled: 10/17/11 09:15 Received: 10/18/11 10:25										
Arsenic	1.7	0.51	0.056	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT13_1-1 (1105032-05) Soil Sampled: 10/17/11 09:15 Received: 10/18/11 10:25										
Barium	20	1.0	0.061	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	11	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.5	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.091	0.091	0.017	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
CAP-TT24_1-1 (1105032-06) Soil Sampled: 10/17/11 09:30 Received: 10/18/11 10:25										
Arsenic	1.7	0.51	0.056	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	18	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	8.5	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.9	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
OP-TT9_2-2 (1105032-07) Soil Sampled: 10/17/11 09:45 Received: 10/18/11 10:25										
Arsenic	0.90	0.51	0.056	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	12	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	9.3	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.1	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	0.62	0.25	0.016	mg/kg dry	1	"	"	"	"	
CAP-TT7A_1-1 (1105032-08) Soil Sampled: 10/17/11 10:00 Received: 10/18/11 10:25										
Arsenic	1.3	0.51	0.056	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	15	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	4.3	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.2	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.090	0.090	0.017	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
OP-TT10_2-2 (1105032-09) Soil Sampled: 10/17/11 10:15 Received: 10/18/11 10:25										
Arsenic	1.3	0.47	0.051	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	24	0.94	0.056	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT10_2-2 (1105032-09) Soil Sampled: 10/17/11 10:15 Received: 10/18/11 10:25										
Cadmium	<0.23	0.23	0.031	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Chromium	7.9	0.47	0.011	mg/kg dry	1	"	"	"	"	
Lead	1.8	0.94	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<0.94	0.94	0.089	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.23	0.23	0.015	mg/kg dry	1	"	"	"	"	
OP-TT11_2-2 (1105032-10) Soil Sampled: 10/17/11 10:30 Received: 10/18/11 10:25										
Arsenic	6.5	0.50	0.055	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	99	1.0	0.060	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	19	0.50	0.012	mg/kg dry	1	"	"	"	"	
Lead	8.1	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.098	0.098	0.019	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.095	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
OP-TT14_2-2 (1105032-11) Soil Sampled: 10/17/11 10:45 Received: 10/18/11 10:25										
Arsenic	1.1	0.51	0.056	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	18	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	11	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.7	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.091	0.091	0.017	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
OP-TT12_2-2 (1105032-12) Soil Sampled: 10/17/11 11:00 Received: 10/18/11 10:25										
Arsenic	1.1	0.47	0.052	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	16	0.94	0.057	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.031	mg/kg dry	1	"	"	"	"	
Chromium	7.2	0.47	0.011	mg/kg dry	1	"	"	"	"	
Lead	1.5	0.94	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.017	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<0.94	0.94	0.090	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
OP-TT13_2-2 (1105032-13) Soil Sampled: 10/17/11 12:15 Received: 10/18/11 10:25										
Arsenic	1.7	0.48	0.053	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	38	0.96	0.058	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT13_2-2 (1105032-13) Soil Sampled: 10/17/11 12:15 Received: 10/18/11 10:25										
Chromium	8.1	0.48	0.012	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Lead	2.2	0.96	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<0.96	0.96	0.091	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
CAP-TT25_6-6 (1105032-14) Soil Sampled: 10/17/11 12:30 Received: 10/18/11 10:25										
Arsenic	1.3	0.48	0.053	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	13	0.96	0.058	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	4.8	0.48	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.3	0.96	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<0.96	0.96	0.091	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
CAP-TT16_6-6 (1105032-15) Soil Sampled: 10/17/11 13:00 Received: 10/18/11 10:25										
Arsenic	1.8	0.51	0.056	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	16	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	8.4	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.7	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
CAP-TT17_6-6 (1105032-16) Soil Sampled: 10/17/11 13:45 Received: 10/18/11 10:25										
Arsenic	1.3	0.48	0.053	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	15	0.96	0.057	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	6.8	0.48	0.011	mg/kg dry	1	"	"	"	"	
Lead	1.5	0.96	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<0.96	0.96	0.091	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
CAP-TT19_1-1 (1105032-17) Soil Sampled: 10/17/11 14:00 Received: 10/18/11 10:25										
Arsenic	2.1	0.51	0.056	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	29	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	10	0.51	0.012	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT19_1-1 (1105032-17) Soil Sampled: 10/17/11 14:00 Received: 10/18/11 10:25										
Lead	2.5	1.0	0.14	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Mercury	<0.090	0.090	0.017	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
D7-TT1_4-4 (1105032-18) Soil Sampled: 10/17/11 14:30 Received: 10/18/11 10:25										
Arsenic	2.0	0.53	0.058	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	33	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	10	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	2.7	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
D7-TT1_8-8 (1105032-19) Soil Sampled: 10/17/11 15:00 Received: 10/18/11 10:25										
Arsenic	2.1	0.52	0.057	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	18	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	5.6	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.7	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
D7-TT2_0.5-0.5 (1105032-20) Soil Sampled: 10/17/11 15:30 Received: 10/18/11 10:25										
Arsenic	3.1	0.52	0.057	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Barium	28	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	9.7	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.2	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J2107	10/21/11	10/24/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1J2002	10/20/11	10/20/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT14_2-2 (1105032-11) Soil Sampled: 10/17/11 10:45 Received: 10/18/11 10:25										
Aroclor 1016	<0.20	0.20	0.0081	mg/kg dry	1	B1J2406	10/24/11	10/26/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	86.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	87.5			60.9-138 %		"	"	"	"	
OP-TT12_2-2 (1105032-12) Soil Sampled: 10/17/11 11:00 Received: 10/18/11 10:25										
Aroclor 1016	<0.20	0.20	0.0080	mg/kg dry	1	B1J2406	10/24/11	10/26/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.040	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.040	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	89.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	94.5			60.9-138 %		"	"	"	"	
OP-TT13_2-2 (1105032-13) Soil Sampled: 10/17/11 12:15 Received: 10/18/11 10:25										
Aroclor 1016	<0.20	0.20	0.0080	mg/kg dry	1	B1J2406	10/24/11	10/26/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.040	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.040	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	90.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	96.0			60.9-138 %		"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT22_2-2 (1105032-01) Soil Sampled: 10/17/11 08:00 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2612	10/26/11	10/26/11	% calculation	
CAP-TT15_1-1 (1105032-02) Soil Sampled: 10/17/11 08:15 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2612	10/26/11	10/26/11	% calculation	
CAP-TT12_1-1 (1105032-03) Soil Sampled: 10/17/11 08:30 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2612	10/26/11	10/26/11	% calculation	
CAP-TT23_1-1 (1105032-04) Soil Sampled: 10/17/11 09:00 Received: 10/18/11 10:25										
% Solids	97			%	1	B1J2612	10/26/11	10/26/11	% calculation	
CAP-TT13_1-1 (1105032-05) Soil Sampled: 10/17/11 09:15 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2612	10/26/11	10/26/11	% calculation	
CAP-TT24_1-1 (1105032-06) Soil Sampled: 10/17/11 09:30 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2612	10/26/11	10/26/11	% calculation	
OP-TT9_2-2 (1105032-07) Soil Sampled: 10/17/11 09:45 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2612	10/26/11	10/26/11	% calculation	
CAP-TT7A_1-1 (1105032-08) Soil Sampled: 10/17/11 10:00 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2612	10/26/11	10/26/11	% calculation	
OP-TT10_2-2 (1105032-09) Soil Sampled: 10/17/11 10:15 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2612	10/26/11	10/26/11	% calculation	
OP-TT11_2-2 (1105032-10) Soil Sampled: 10/17/11 10:30 Received: 10/18/11 10:25										
% Solids	93			%	1	B1J2612	10/26/11	10/26/11	% calculation	
OP-TT14_2-2 (1105032-11) Soil Sampled: 10/17/11 10:45 Received: 10/18/11 10:25										
% Solids	98			%	1	B1J2612	10/26/11	10/26/11	% calculation	
OP-TT12_2-2 (1105032-12) Soil Sampled: 10/17/11 11:00 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2612	10/26/11	10/26/11	% calculation	
OP-TT13_2-2 (1105032-13) Soil Sampled: 10/17/11 12:15 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2612	10/26/11	10/26/11	% calculation	
CAP-TT25_6-6 (1105032-14) Soil Sampled: 10/17/11 12:30 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2612	10/26/11	10/26/11	% calculation	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT16_6-6 (1105032-15) Soil Sampled: 10/17/11 13:00 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2612	10/26/11	10/26/11	% calculation	
CAP-TT17_6-6 (1105032-16) Soil Sampled: 10/17/11 13:45 Received: 10/18/11 10:25										
% Solids	98			%	1	B1J2612	10/26/11	10/26/11	% calculation	
CAP-TT19_1-1 (1105032-17) Soil Sampled: 10/17/11 14:00 Received: 10/18/11 10:25										
% Solids	99			%	1	B1J2612	10/26/11	10/26/11	% calculation	
D7-TT1_4-4 (1105032-18) Soil Sampled: 10/17/11 14:30 Received: 10/18/11 10:25										
% Solids	95			%	1	B1J2612	10/26/11	10/26/11	% calculation	
D7-TT1_8-8 (1105032-19) Soil Sampled: 10/17/11 15:00 Received: 10/18/11 10:25										
% Solids	97			%	1	B1J2612	10/26/11	10/26/11	% calculation	
D7-TT2_0.5-0.5 (1105032-20) Soil Sampled: 10/17/11 15:30 Received: 10/18/11 10:25										
% Solids	97			%	1	B1J2612	10/26/11	10/26/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT22_2-2 (1105032-01) Soil Sampled: 10/17/11 08:00 Received: 10/18/11 10:25										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT22_2-2 (1105032-01) Soil Sampled: 10/17/11 08:00 Received: 10/18/11 10:25										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	74.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT14_2-2 (1105032-11) Soil Sampled: 10/17/11 10:45 Received: 10/18/11 10:25										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT14_2-2 (1105032-11) Soil Sampled: 10/17/11 10:45 Received: 10/18/11 10:25										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	68.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	57.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	55.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	77.5			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT12_2-2 (1105032-12RE1) Soil Sampled: 10/17/11 11:00 Received: 10/18/11 10:25										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.10	0.33	0.041	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.10	0.33	0.042	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.19	0.33	0.043	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT12_2-2 (1105032-12RE1) Soil Sampled: 10/17/11 11:00 Received: 10/18/11 10:25										
Benzo(k)fluoranthene	0.066	0.33	0.048	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	J
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.15	0.33	0.044	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.073	0.33	0.044	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.11	0.33	0.040	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	56.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	58.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.6			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT13_2-2 (1105032-13) Soil Sampled: 10/17/11 12:15 Received: 10/18/11 10:25										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-TT13_2-2 (1105032-13) Soil Sampled: 10/17/11 12:15 Received: 10/18/11 10:25										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	70.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	61.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	82.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D7-TT1_4-4 (1105032-18) Soil Sampled: 10/17/11 14:30 Received: 10/18/11 10:25										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.079	0.71	0.079	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.063	0.71	0.063	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.71	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.71	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.71	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D7-TT1_4-4 (1105032-18) Soil Sampled: 10/17/11 14:30 Received: 10/18/11 10:25										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
Benzoic acid	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	67.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D7-TT1_8-8 (1105032-19) Soil Sampled: 10/17/11 15:00 Received: 10/18/11 10:25										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D7-TT1_8-8 (1105032-19) Soil Sampled: 10/17/11 15:00 Received: 10/18/11 10:25										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	89.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D7-TT2_0.5-0.5 (1105032-20) Soil Sampled: 10/17/11 15:30 Received: 10/18/11 10:25										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D7-TT2_0.5-0.5 (1105032-20) Soil Sampled: 10/17/11 15:30 Received: 10/18/11 10:25										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J2404	10/24/11	10/24/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	77.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2002 - EPA 3050B

Blank (B1J2002-BLK1)

Prepared & Analyzed: 10/20/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J2002-BS1)

Prepared & Analyzed: 10/20/11

Arsenic	41.4	0.50	0.055	mg/kg wet	39.9		104	80-120			
Barium	42.4	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.5	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	41.9	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	42.7	1.0	0.14	mg/kg wet	39.9		107	80-120			
Selenium	41.8	1.0	0.095	mg/kg wet	39.9		105	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1J2002-BSD1)

Prepared & Analyzed: 10/20/11

Arsenic	40.6	0.50	0.055	mg/kg wet	39.9		102	80-120	1.96	20	
Barium	42.1	1.0	0.060	mg/kg wet	39.9		105	80-120	0.826	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	1.54	20	
Chromium	41.3	0.50	0.012	mg/kg wet	39.9		103	80-120	1.37	20	
Lead	42.0	1.0	0.14	mg/kg wet	39.9		105	80-120	1.64	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	2.24	20	
Silver	4.14	0.25	0.016	mg/kg wet	3.99		104	80-120	0.546	20	

Matrix Spike (B1J2002-MS1)

Source: 1105032-03

Prepared & Analyzed: 10/20/11

Arsenic	38.8	0.47	0.052	mg/kg dry	37.4	2.02	98.3	75-125			
Barium	66.5	0.94	0.056	mg/kg dry	37.4	28.7	101	75-125			
Cadmium	37.2	0.23	0.031	mg/kg dry	37.4	<0.23	99.2	75-125			
Chromium	45.2	0.47	0.011	mg/kg dry	37.4	9.92	94.3	75-125			
Lead	39.4	0.94	0.13	mg/kg dry	37.4	2.83	97.8	75-125			
Selenium	36.6	0.94	0.089	mg/kg dry	37.4	<0.94	97.9	75-125			
Silver	3.74	0.23	0.015	mg/kg dry	3.74	<0.23	99.9	75-125			

Matrix Spike Dup (B1J2002-MSD1)

Source: 1105032-03

Prepared & Analyzed: 10/20/11

Arsenic	40.8	0.51	0.056	mg/kg dry	38.5	2.02	101	75-125	5.12	20	
Barium	68.3	1.0	0.061	mg/kg dry	38.5	28.7	103	75-125	2.65	20	
Cadmium	38.9	0.25	0.033	mg/kg dry	38.5	<0.25	101	75-125	4.58	20	
Chromium	48.3	0.51	0.012	mg/kg dry	38.5	9.92	99.7	75-125	6.52	20	
Lead	41.2	1.0	0.14	mg/kg dry	38.5	2.83	99.8	75-125	4.42	20	
Selenium	38.1	1.0	0.096	mg/kg dry	38.5	<1.0	99.0	75-125	3.90	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2002 - EPA 3050B											
Matrix Spike Dup (B1J2002-MSD1)			Source: 1105032-03			Prepared & Analyzed: 10/20/11					
Silver	3.87	0.25	0.016	mg/kg dry	3.85	<0.25	101	75-125	3.43	20	
Batch B1J2107 - EPA 7471A											
Blank (B1J2107-BLK1)			Prepared: 10/21/11 Analyzed: 10/24/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J2107-BS1)			Prepared: 10/21/11 Analyzed: 10/24/11								
Mercury	0.222	0.10	0.019	mg/kg wet	0.200		111	80-120			
LCS Dup (B1J2107-BSD1)			Prepared: 10/21/11 Analyzed: 10/24/11								
Mercury	0.215	0.10	0.019	mg/kg wet	0.200		108	80-120	3.20	20	
Matrix Spike (B1J2107-MS1)			Source: 1105032-01			Prepared: 10/21/11 Analyzed: 10/24/11					
Mercury	0.203	0.094	0.018	mg/kg dry	0.188	<0.094	108	75-125			
Matrix Spike Dup (B1J2107-MSD1)			Source: 1105032-01			Prepared: 10/21/11 Analyzed: 10/24/11					
Mercury	0.204	0.091	0.017	mg/kg dry	0.181	<0.091	112	75-125	0.720	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2406 - EPA 3545 ASE Extraction

Blank (B1J2406-BLK1)

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0553			mg/kg wet	0.0667		83.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0560			mg/kg wet	0.0667		84.0	60.9-138			

LCS (B1J2406-BS1)

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.318	0.20	0.0059	mg/kg wet	0.333		95.3	70-130			
Surrogate: Decachlorobiphenyl	0.0577			mg/kg wet	0.0667		86.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0570			mg/kg wet	0.0667		85.5	60.9-138			

Matrix Spike (B1J2406-MS1)

Source: 1105003-02

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.672	0.21	0.0062	mg/kg dry	0.358	0.324	97.2	70-130			
Surrogate: Decachlorobiphenyl	0.0655			mg/kg dry	0.0716		91.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0687			mg/kg dry	0.0716		96.0	60.9-138			

Matrix Spike Dup (B1J2406-MSD1)

Source: 1105003-02

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.397	0.21	0.0062	mg/kg dry	0.351	0.324	20.9	70-130	51.3	17.2	M2, QR-04
Surrogate: Decachlorobiphenyl	0.0386			mg/kg dry	0.0703		55.0	65.3-143			S-02
Surrogate: Tetrachloro-meta-xylene	0.0379			mg/kg dry	0.0703		54.0	60.9-138			S-02

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2612 - General Preparation											
Duplicate (B1J2612-DUP1)											
% Solids	71.0			%		71.0			0.00	20	
Duplicate (B1J2612-DUP2)											
% Solids	92.0			%		93.0			1.08	20	
Duplicate (B1J2612-DUP3)											
% Solids	98.0			%		99.0			1.02	20	
Duplicate (B1J2612-DUP4)											
% Solids	99.0			%		99.0			0.00	20	
Duplicate (B1J2612-DUP5)											
% Solids	97.0			%		97.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Blank (B1J2404-BLK1)

Prepared & Analyzed: 10/24/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Blank (B1J2404-BLK1)

Prepared & Analyzed: 10/24/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.52			mg/kg wet	6.67		67.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.28			mg/kg wet	6.67		64.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.15			mg/kg wet	6.67		62.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg wet	6.67		59.0	48.9-100			
Surrogate: Phenol-d6	4.02			mg/kg wet	6.67		60.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.65			mg/kg wet	6.67		84.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

LCS (B1J2404-BS1)

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	3.98	0.33	0.031	mg/kg wet	6.67		59.8	59.1-87.7			
1,4-Dichlorobenzene	3.72	0.33	0.029	mg/kg wet	6.67		55.9	50.3-72.9			
2,4-Dinitrotoluene	4.64	0.33	0.035	mg/kg wet	6.67		69.7	59.8-82.2			
2-Chlorophenol	4.54	0.67	0.060	mg/kg wet	6.67		68.1	59.7-77.3			
4-Chloro-3-methylphenol	4.74	0.67	0.066	mg/kg wet	6.67		71.2	63.6-80.4			
4-Nitrophenol	5.06	0.67	0.093	mg/kg wet	6.67		75.8	57.3-84.9			
Anthracene	5.18	0.33	0.036	mg/kg wet	6.67		77.8	67.3-88			
Benzo(a)anthracene	4.98	0.33	0.041	mg/kg wet	6.67		74.7	66.5-90.5			
Benzo(a)pyrene	4.97	0.33	0.042	mg/kg wet	6.67		74.6	66.1-89.7			
Chrysene	5.04	0.33	0.044	mg/kg wet	6.67		75.6	65.5-90.5			
Fluoranthene	5.17	0.33	0.039	mg/kg wet	6.67		77.5	66.7-89.9			
Fluorene	4.65	0.33	0.035	mg/kg wet	6.67		69.8	66.2-85.6			
N-Nitrosodi-n-propylamine	4.12	0.33	0.033	mg/kg wet	6.67		61.8	59.4-78			
Pentachlorophenol	4.57	0.67	0.078	mg/kg wet	6.67		68.6	46.7-83.2			
Phenanthrene	5.09	0.33	0.036	mg/kg wet	6.67		76.4	67.5-87.9			
Phenol	4.40	0.67	0.069	mg/kg wet	6.67		65.9	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.92			mg/kg wet	6.67		73.8	53-107			
Surrogate: 2-Fluorobiphenyl	4.45			mg/kg wet	6.67		66.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.16			mg/kg wet	6.67		62.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.98			mg/kg wet	6.67		59.7	48.9-100			
Surrogate: Phenol-d6	4.49			mg/kg wet	6.67		67.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.36			mg/kg wet	6.67		65.4	51-99.6			

Matrix Spike (B1J2404-MS1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.50	0.38	0.036	mg/kg dry	7.76	<0.38	58.0	44.8-97.9			
1,4-Dichlorobenzene	3.93	0.38	0.033	mg/kg dry	7.76	<0.38	50.7	42.3-77.9			
2,4-Dinitrotoluene	5.62	0.38	0.040	mg/kg dry	7.76	<0.38	72.4	57.3-86.6			
2-Chlorophenol	4.97	0.77	0.069	mg/kg dry	7.76	<0.77	64.1	43.3-93.2			
4-Chloro-3-methylphenol	5.52	0.77	0.076	mg/kg dry	7.76	<0.77	71.1	47.1-97.6			
4-Nitrophenol	6.28	0.77	0.11	mg/kg dry	7.76	<0.77	81.0	49.3-96.2			
Anthracene	6.39	0.38	0.041	mg/kg dry	7.76	<0.38	81.3	67.5-93.1			
Benzo(a)anthracene	6.50	0.38	0.047	mg/kg dry	7.76	<0.38	80.2	59.8-95.7			
Benzo(a)pyrene	6.41	0.38	0.048	mg/kg dry	7.76	<0.38	80.0	59.8-92.7			
Chrysene	6.58	0.38	0.051	mg/kg dry	7.76	<0.38	81.0	62.5-94.6			
Fluoranthene	6.93	0.38	0.045	mg/kg dry	7.76	0.471	83.2	61.3-92.8			
Fluorene	5.61	0.38	0.040	mg/kg dry	7.76	<0.38	72.3	62.8-92.6			
N-Nitrosodi-n-propylamine	4.91	0.38	0.038	mg/kg dry	7.76	<0.38	63.2	46.9-89.9			
Pentachlorophenol	7.30	0.77	0.090	mg/kg dry	7.76	1.00	81.1	40.1-95.1			
Phenanthrene	6.55	0.38	0.041	mg/kg dry	7.76	<0.38	80.9	65.2-92.2			
Phenol	4.83	0.77	0.079	mg/kg dry	7.76	<0.77	62.2	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Matrix Spike (B1J2404-MS1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

Surrogate: 2,4,6-Tribromophenol	6.60			mg/kg dry	7.76		85.1	53-107			
Surrogate: 2-Fluorobiphenyl	5.41			mg/kg dry	7.76		69.7	53.9-97.9			
Surrogate: 2-Fluorophenol	5.06			mg/kg dry	7.76		65.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.57			mg/kg dry	7.76		58.8	48.9-100			
Surrogate: Phenol-d6	5.38			mg/kg dry	7.76		69.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.59			mg/kg dry	7.76		72.1	51-99.6			

Matrix Spike Dup (B1J2404-MSD1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	5.19	0.38	0.036	mg/kg dry	7.78	<0.38	66.7	44.8-97.9	14.3	19.6	
1,4-Dichlorobenzene	4.61	0.38	0.033	mg/kg dry	7.78	<0.38	59.3	42.3-77.9	15.9	22.4	
2,4-Dinitrotoluene	5.39	0.38	0.040	mg/kg dry	7.78	<0.38	69.3	57.3-86.6	4.12	19.5	
2-Chlorophenol	5.42	0.77	0.069	mg/kg dry	7.78	<0.77	69.6	43.3-93.2	8.57	23.7	
4-Chloro-3-methylphenol	5.76	0.77	0.076	mg/kg dry	7.78	<0.77	74.1	47.1-97.6	4.25	18.3	
4-Nitrophenol	6.10	0.77	0.11	mg/kg dry	7.78	<0.77	78.5	49.3-96.2	2.94	20.4	
Anthracene	6.21	0.38	0.041	mg/kg dry	7.78	<0.38	78.7	67.5-93.1	2.94	19.9	
Benzo(a)anthracene	6.08	0.38	0.047	mg/kg dry	7.78	<0.38	74.6	59.8-95.7	6.74	23.4	
Benzo(a)pyrene	5.98	0.38	0.048	mg/kg dry	7.78	<0.38	74.4	59.8-92.7	6.93	21.1	
Chrysene	6.10	0.38	0.051	mg/kg dry	7.78	<0.38	74.8	62.5-94.6	7.51	24.8	
Fluoranthene	6.54	0.38	0.045	mg/kg dry	7.78	0.471	78.0	61.3-92.8	5.80	21.8	
Fluorene	5.81	0.38	0.040	mg/kg dry	7.78	<0.38	74.7	62.8-92.6	3.49	17.6	
N-Nitrosodi-n-propylamine	5.10	0.38	0.038	mg/kg dry	7.78	<0.38	65.6	46.9-89.9	3.86	18.9	
Pentachlorophenol	6.69	0.77	0.090	mg/kg dry	7.78	1.00	73.1	40.1-95.1	8.63	19.7	
Phenanthrene	6.39	0.38	0.041	mg/kg dry	7.78	<0.38	78.6	65.2-92.2	2.55	20.5	
Phenol	5.15	0.77	0.079	mg/kg dry	7.78	<0.77	66.2	44.7-91	6.41	17.9	
Surrogate: 2,4,6-Tribromophenol	6.47			mg/kg dry	7.78		83.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.85			mg/kg dry	7.78		75.2	53.9-97.9			
Surrogate: 2-Fluorophenol	5.49			mg/kg dry	7.78		70.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.20			mg/kg dry	7.78		66.8	48.9-100			
Surrogate: Phenol-d6	5.73			mg/kg dry	7.78		73.6	50.4-99.6			
Surrogate: Terphenyl-d14	5.10			mg/kg dry	7.78		65.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Blank (B1J2502-BLK1)

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Blank (B1J2502-BLK1)

Prepared & Analyzed: 10/25/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.71			mg/kg wet	6.67		70.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.09			mg/kg wet	6.67		61.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.61			mg/kg wet	6.67		54.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.54			mg/kg wet	6.67		53.1	48.9-100			
Surrogate: Phenol-d6	4.11			mg/kg wet	6.67		61.6	50.4-99.6			
Surrogate: Terphenyl-d14	3.83			mg/kg wet	6.67		57.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

LCS (B1J2502-BS1)

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.39	0.33	0.031	mg/kg wet	6.67		65.8	59.1-87.7			
1,4-Dichlorobenzene	4.25	0.33	0.029	mg/kg wet	6.67		63.8	50.3-72.9			
2,4-Dinitrotoluene	4.71	0.33	0.035	mg/kg wet	6.67		70.6	59.8-82.2			
2-Chlorophenol	4.53	0.67	0.060	mg/kg wet	6.67		67.9	59.7-77.3			
4-Chloro-3-methylphenol	4.77	0.67	0.066	mg/kg wet	6.67		71.5	63.6-80.4			
4-Nitrophenol	4.91	0.67	0.093	mg/kg wet	6.67		73.7	57.3-84.9			
Anthracene	5.41	0.33	0.036	mg/kg wet	6.67		81.2	67.3-88			
Benzo(a)anthracene	5.25	0.33	0.041	mg/kg wet	6.67		78.7	66.5-90.5			
Benzo(a)pyrene	5.18	0.33	0.042	mg/kg wet	6.67		77.8	66.1-89.7			
Chrysene	5.20	0.33	0.044	mg/kg wet	6.67		78.0	65.5-90.5			
Fluoranthene	5.36	0.33	0.039	mg/kg wet	6.67		80.3	66.7-89.9			
Fluorene	4.95	0.33	0.035	mg/kg wet	6.67		74.2	66.2-85.6			
N-Nitrosodi-n-propylamine	4.52	0.33	0.033	mg/kg wet	6.67		67.9	59.4-78			
Pentachlorophenol	4.21	0.67	0.078	mg/kg wet	6.67		63.2	46.7-83.2			
Phenanthrene	5.38	0.33	0.036	mg/kg wet	6.67		80.7	67.5-87.9			
Phenol	4.34	0.67	0.069	mg/kg wet	6.67		65.2	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.05			mg/kg wet	6.67		75.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.78			mg/kg wet	6.67		71.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.70			mg/kg wet	6.67		70.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.25			mg/kg wet	6.67		63.7	48.9-100			
Surrogate: Phenol-d6	4.89			mg/kg wet	6.67		73.4	50.4-99.6			
Surrogate: Terphenyl-d14	4.43			mg/kg wet	6.67		66.5	51-99.6			

Matrix Spike (B1J2502-MS1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.34	0.34	0.032	mg/kg dry	6.88	<0.34	63.1	44.8-97.9			
1,4-Dichlorobenzene	4.21	0.34	0.030	mg/kg dry	6.88	<0.34	61.3	42.3-77.9			
2,4-Dinitrotoluene	4.73	0.34	0.036	mg/kg dry	6.88	<0.34	68.9	57.3-86.6			
2-Chlorophenol	4.50	0.68	0.061	mg/kg dry	6.88	<0.68	65.5	43.3-93.2			
4-Chloro-3-methylphenol	4.85	0.68	0.067	mg/kg dry	6.88	<0.68	70.5	47.1-97.6			
4-Nitrophenol	4.95	0.68	0.095	mg/kg dry	6.88	<0.68	72.0	49.3-96.2			
Anthracene	5.58	0.34	0.037	mg/kg dry	6.88	<0.34	81.1	67.5-93.1			
Benzo(a)anthracene	5.35	0.34	0.042	mg/kg dry	6.88	<0.34	77.9	59.8-95.7			
Benzo(a)pyrene	5.41	0.34	0.043	mg/kg dry	6.88	<0.34	78.7	59.8-92.7			
Chrysene	5.35	0.34	0.045	mg/kg dry	6.88	<0.34	77.8	62.5-94.6			
Fluoranthene	5.44	0.34	0.040	mg/kg dry	6.88	<0.34	79.1	61.3-92.8			
Fluorene	4.93	0.34	0.036	mg/kg dry	6.88	<0.34	71.7	62.8-92.6			
N-Nitrosodi-n-propylamine	4.41	0.34	0.034	mg/kg dry	6.88	<0.34	64.1	46.9-89.9			
Pentachlorophenol	4.72	0.68	0.080	mg/kg dry	6.88	<0.68	68.6	40.1-95.1			
Phenanthrene	5.51	0.34	0.037	mg/kg dry	6.88	<0.34	80.1	65.2-92.2			
Phenol	4.26	0.68	0.070	mg/kg dry	6.88	<0.68	62.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Matrix Spike (B1J2502-MS1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

Surrogate: 2,4,6-Tribromophenol	5.33			mg/kg dry	6.88		77.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.87			mg/kg dry	6.88		70.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.42			mg/kg dry	6.88		64.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.32			mg/kg dry	6.88		62.9	48.9-100			
Surrogate: Phenol-d6	4.65			mg/kg dry	6.88		67.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.63			mg/kg dry	6.88		67.4	51-99.6			

Matrix Spike Dup (B1J2502-MSD1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.27	0.34	0.032	mg/kg dry	6.85	<0.34	62.3	44.8-97.9	1.58	19.6	
1,4-Dichlorobenzene	4.06	0.34	0.030	mg/kg dry	6.85	<0.34	59.2	42.3-77.9	3.77	22.4	
2,4-Dinitrotoluene	4.70	0.34	0.036	mg/kg dry	6.85	<0.34	68.6	57.3-86.6	0.652	19.5	
2-Chlorophenol	4.35	0.68	0.061	mg/kg dry	6.85	<0.68	63.5	43.3-93.2	3.34	23.7	
4-Chloro-3-methylphenol	4.65	0.68	0.067	mg/kg dry	6.85	<0.68	67.9	47.1-97.6	4.06	18.3	
4-Nitrophenol	4.95	0.68	0.095	mg/kg dry	6.85	<0.68	72.3	49.3-96.2	0.0213	20.4	
Anthracene	5.50	0.34	0.037	mg/kg dry	6.85	<0.34	80.2	67.5-93.1	1.48	19.9	
Benzo(a)anthracene	5.31	0.34	0.042	mg/kg dry	6.85	<0.34	77.5	59.8-95.7	0.830	23.4	
Benzo(a)pyrene	5.43	0.34	0.043	mg/kg dry	6.85	<0.34	79.3	59.8-92.7	0.417	21.1	
Chrysene	5.43	0.34	0.045	mg/kg dry	6.85	<0.34	79.2	62.5-94.6	1.48	24.8	
Fluoranthene	5.40	0.34	0.040	mg/kg dry	6.85	<0.34	78.8	61.3-92.8	0.721	21.8	
Fluorene	4.80	0.34	0.036	mg/kg dry	6.85	<0.34	70.0	62.8-92.6	2.63	17.6	
N-Nitrosodi-n-propylamine	4.31	0.34	0.034	mg/kg dry	6.85	<0.34	62.9	46.9-89.9	2.12	18.9	
Pentachlorophenol	4.45	0.68	0.080	mg/kg dry	6.85	<0.68	64.9	40.1-95.1	5.93	19.7	
Phenanthrene	5.37	0.34	0.037	mg/kg dry	6.85	<0.34	78.3	65.2-92.2	2.53	20.5	
Phenol	4.17	0.68	0.070	mg/kg dry	6.85	<0.68	60.8	44.7-91	2.22	17.9	
Surrogate: 2,4,6-Tribromophenol	5.35			mg/kg dry	6.85		78.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.82			mg/kg dry	6.85		70.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.51			mg/kg dry	6.85		65.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.38			mg/kg dry	6.85		63.9	48.9-100			
Surrogate: Phenol-d6	4.63			mg/kg dry	6.85		67.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.75			mg/kg dry	6.85		69.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105032 Date Reported: 10/28/11
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Notes and Definitions

- T-1 MDH does not offer certification for this parameter.
- S-02 Surrogate recovery outside of laboratory acceptance limits.
- QR-04 The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
- M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Chain of Custody
 4700 Hwy 77th Street
 Minneapolis, MN 55435-4803
BARR (952) 832-2600

Project Number: 2311-1092-00 4861820
 Project Name: UMass R1 - Gow East
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: **NO 36970**

COC 1 of 2
 Project Manager: JME
 Project QC Contact: AAN
 Sampled by: KEB
 Laboratory: Legend

REACT METALS
 REACT METALS

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Ice?	Retrieved By: <i>Krista Sample</i>	Date	Time
						Soil	Water				
1. CAP-T122	2	2	ft	10/17/2011	0800	Y	X	Y	10/18/11	1600	
2. CAP-T115	1	1			0815	X	X				
3. CAP-T112	1	1			0830	Y	X	Y			
4. CAP-T123	1	1			0100	Y	X	Y			
5. CAP-T113	1	1			0915	Y	X	Y			
6. CAP-T124	1	1			0930	Y	X	Y			
7. OP-T119	2	2			0945	Y	N	Y			
8. CAP-T17A	1	1			1000	Y	X	Y			
9. GP-T110	2	2			1015	Y	X	Y			
10. OP-T111	2	2			1030	Y	X	Y			

Number of Containers/Preservative

Water	Soil
VOCs (unpreserved) #2	
Dissolved Metals (HNO3)	
Total Metals (HNO3)	
General Range Organics (HCl)	
Diesel Range Organics (HCl)	
Nutrients (H2SO4) #4	
VOCs (lared MeOH) #1	
GRQ, BTEX (lared MeOH) #2	
DRG (lared unpreserved)	
Metals (unpreserved) #2	
SVOs (unpreserved) #2	
% Solids (plastic vial unpres.)	

Total Number Of Containers: 2

Received by: *PR*

Date: 10/18/11

Time: 10:25

Air Bill Number: _____

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfide
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Samples Shipped Via: Air Freight Federal Express Sampler Other: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

LEGEND

Technical Services, Inc.

www.legend-group.com

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Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-6803
(952) 832-2600

Project Number: 2319-1092.00 48R1 820
Project Name: Union R1-GOW Ecst
Sample Origination State: MN (use two letter postal state abbreviation)
COC Number: NO 36977

1105032

COC L of 2
Project Manager: JME
Project QC Contact: MAN
Sampled by: KEB
Laboratory: Legend

10/17/2011

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Ice?	Date	Time	Received by:	Date	Time
						Water	Soil						
1. OP-TT4	2	2	ft	10/17/2011	1045	Y	Y	N	10/17/11	0600	CP	10/18/11	12025
2. OP-TT2	2	2			1100	X	X	N					
3. OP-TT3	2	2			1215	X	X	N					
4. CAP-TT25	6	6			1230	X	X	N					
5. CAP-TT16	6	6			1300	X	X	N					
6. CAP-TT17	6	6			1345	X	X	N					
7. CAP-TT19	1	1			1450	X	X	N					
8. D7-TT1	4	4			1430	X	X	N					
9. D7-TT1	8	9			1500	X	X	N					
10. D7-TT2	0.5	0.5			1530	X	X	N					

Requisitioned By: Kevin Schimpke
Requisitioned By: _____
Samples Shipped Via: Air Freight Federal Express Sampler Other

Common Parameter/Container - Preservation Key
#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxin, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia, Nitrogen, TKN

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



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St Paul, MN 55103
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October 25, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105037
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/11/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

Handwritten signature of Bach Pham in black ink.

Bach Pham
Client Manager I
bpham@legend-group.com

Handwritten signature of Triet Le in black ink.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105037 Date Reported: 10/25/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
10SD-TT16A_1.5-1.5	1105037-01	Soil	10/10/11 00:00	10/11/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 1.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

The recovery for barium in the MS sample for batch B1J1905 was outside of the laboratory control limits. The LCS/LCSD, MSD samples, and %RPDs were within limits. The MS/MSD source sample was not associated with this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105037 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT16A_1.5-1.5 (1105037-01) Soil Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
Arsenic	7.5	0.53	0.059	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Barium	470	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	2.7	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	64	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	730	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	0.79	0.096	0.018	mg/kg dry	1	B1J1907	10/19/11	10/19/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J1905	10/19/11	10/19/11	EPA 6010B	
Silver	4.8	0.27	0.017	mg/kg dry	1	"	"	"	"	



88 Empire Drive
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 Tel: 651-642-1150
 Fax: 651-642-1239

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105037 Date Reported: 10/25/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT16A_1.5-1.5 (1105037-01) Soil Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
% Solids	94			%	1	B1J1911	10/19/11	10/19/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105037 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT16A_1.5-1.5 (1105037-01) Soil Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105037 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
10SD-TT16A_1.5-1.5 (1105037-01) Soil Sampled: 10/10/11 00:00 Received: 10/11/11 10:30										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J1903	10/19/11	10/19/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.17	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	72.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	78.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105037 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1905 - EPA 3050B

Blank (B1J1905-BLK1)

Prepared & Analyzed: 10/19/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J1905-BS1)

Prepared & Analyzed: 10/19/11

Arsenic	41.2	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	43.0	1.0	0.060	mg/kg wet	39.9		108	80-120			
Cadmium	41.4	0.25	0.033	mg/kg wet	39.9		104	80-120			
Chromium	41.9	0.50	0.012	mg/kg wet	39.9		105	80-120			
Lead	42.4	1.0	0.14	mg/kg wet	39.9		106	80-120			
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.14	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1J1905-BSD1)

Prepared & Analyzed: 10/19/11

Arsenic	40.9	0.50	0.055	mg/kg wet	39.9		103	80-120	0.708	20	
Barium	43.0	1.0	0.060	mg/kg wet	39.9		108	80-120	0.121	20	
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120	0.714	20	
Chromium	41.7	0.50	0.012	mg/kg wet	39.9		105	80-120	0.561	20	
Lead	42.3	1.0	0.14	mg/kg wet	39.9		106	80-120	0.237	20	
Selenium	40.8	1.0	0.095	mg/kg wet	39.9		102	80-120	0.365	20	
Silver	4.15	0.25	0.016	mg/kg wet	3.99		104	80-120	0.291	20	

Matrix Spike (B1J1905-MS1)

Source: 1105029-01

Prepared & Analyzed: 10/19/11

Arsenic	47.0	0.50	0.055	mg/kg wet	39.2	9.16	96.7	75-125			
Barium	178	1.0	0.060	mg/kg wet	39.2	129	126	75-125			M1
Cadmium	38.2	0.25	0.033	mg/kg wet	39.2	<0.25	96.9	75-125			
Chromium	52.7	0.50	0.012	mg/kg wet	39.2	13.9	99.2	75-125			
Lead	49.8	1.0	0.14	mg/kg wet	39.2	11.3	98.2	75-125			
Selenium	37.5	1.0	0.095	mg/kg wet	39.2	<1.0	95.7	75-125			
Silver	3.77	0.25	0.016	mg/kg wet	3.92	<0.25	96.3	75-125			

Matrix Spike Dup (B1J1905-MSD1)

Source: 1105029-01

Prepared & Analyzed: 10/19/11

Arsenic	47.1	0.50	0.055	mg/kg wet	39.3	9.16	96.6	75-125	0.234	20	
Barium	174	1.0	0.060	mg/kg wet	39.3	129	116	75-125	2.15	20	
Cadmium	38.3	0.25	0.033	mg/kg wet	39.3	<0.25	96.9	75-125	0.374	20	
Chromium	53.6	0.50	0.012	mg/kg wet	39.3	13.9	101	75-125	1.68	20	
Lead	49.6	1.0	0.14	mg/kg wet	39.3	11.3	97.2	75-125	0.452	20	
Selenium	37.7	1.0	0.095	mg/kg wet	39.3	<1.0	95.9	75-125	0.691	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105037 Date Reported: 10/25/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1905 - EPA 3050B											
Matrix Spike Dup (B1J1905-MSD1)			Source: 1105029-01			Prepared & Analyzed: 10/19/11					
Silver	3.77	0.25	0.016	mg/kg wet	3.93	<0.25	96.0	75-125	0.0896	20	
Batch B1J1907 - EPA 7471A											
Blank (B1J1907-BLK1)			Prepared & Analyzed: 10/19/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J1907-BS1)			Prepared & Analyzed: 10/19/11								
Mercury	0.173	0.10	0.019	mg/kg wet	0.200		86.5	80-120			
LCS Dup (B1J1907-BSD1)			Prepared & Analyzed: 10/19/11								
Mercury	0.189	0.10	0.019	mg/kg wet	0.200		94.5	80-120	8.84	20	
Matrix Spike (B1J1907-MS1)			Source: 1104906-01			Prepared & Analyzed: 10/19/11					
Mercury	0.258	0.11	0.021	mg/kg dry	0.211	<0.11	91.0	75-125			
Matrix Spike Dup (B1J1907-MSD1)			Source: 1104906-01			Prepared & Analyzed: 10/19/11					
Mercury	0.263	0.11	0.021	mg/kg dry	0.210	<0.11	93.8	75-125	1.82	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105037 Date Reported: 10/25/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J1911 - General Preparation												
Duplicate (B1J1911-DUP1)							Source: 1104906-10					Prepared & Analyzed: 10/19/11
% Solids	94.0			%		94.0			0.00	20		
Duplicate (B1J1911-DUP2)							Source: 1104912-03					Prepared & Analyzed: 10/19/11
% Solids	98.0			%		98.0			0.00	20		
Duplicate (B1J1911-DUP3)							Source: 1104912-13					Prepared & Analyzed: 10/19/11
% Solids	92.0			%		92.0			0.00	20		
Duplicate (B1J1911-DUP4)							Source: 1105038-01					Prepared & Analyzed: 10/19/11
% Solids	98.0			%		98.0			0.00	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105037 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Blank (B1J1903-BLK1)

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105037 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Blank (B1J1903-BLK1)

Prepared & Analyzed: 10/19/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.61			mg/kg wet	6.67		69.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.53			mg/kg wet	6.67		68.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.26			mg/kg wet	6.67		63.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.28			mg/kg wet	6.67		64.1	48.9-100			
Surrogate: Phenol-d6	4.12			mg/kg wet	6.67		61.9	50.4-99.6			
Surrogate: Terphenyl-d14	6.03			mg/kg wet	6.67		90.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105037 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

LCS (B1J1903-BS1)

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.11	0.33	0.031	mg/kg wet	6.67		61.6	59.1-87.7			
1,4-Dichlorobenzene	4.01	0.33	0.029	mg/kg wet	6.67		60.1	50.3-72.9			
2,4-Dinitrotoluene	4.72	0.33	0.035	mg/kg wet	6.67		70.8	59.8-82.2			
2-Chlorophenol	4.41	0.67	0.060	mg/kg wet	6.67		66.2	59.7-77.3			
4-Chloro-3-methylphenol	4.47	0.67	0.066	mg/kg wet	6.67		67.0	63.6-80.4			
4-Nitrophenol	4.27	0.67	0.093	mg/kg wet	6.67		64.1	57.3-84.9			
Anthracene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.3-88			
Benzo(a)anthracene	5.48	0.33	0.041	mg/kg wet	6.67		82.3	66.5-90.5			
Benzo(a)pyrene	5.68	0.33	0.042	mg/kg wet	6.67		85.2	66.1-89.7			
Chrysene	5.31	0.33	0.044	mg/kg wet	6.67		79.7	65.5-90.5			
Fluoranthene	5.56	0.33	0.039	mg/kg wet	6.67		83.5	66.7-89.9			
Fluorene	5.20	0.33	0.035	mg/kg wet	6.67		78.0	66.2-85.6			
N-Nitrosodi-n-propylamine	4.22	0.33	0.033	mg/kg wet	6.67		63.3	59.4-78			
Pentachlorophenol	3.34	0.67	0.078	mg/kg wet	6.67		50.1	46.7-83.2			
Phenanthrene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.5-87.9			
Phenol	4.26	0.67	0.069	mg/kg wet	6.67		63.9	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.49			mg/kg wet	6.67		67.4	53-107			
Surrogate: 2-Fluorobiphenyl	4.52			mg/kg wet	6.67		67.8	53.9-97.9			
Surrogate: 2-Fluorophenol	3.99			mg/kg wet	6.67		59.9	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.22			mg/kg wet	6.67		63.3	48.9-100			
Surrogate: Phenol-d6	4.36			mg/kg wet	6.67		65.4	50.4-99.6			
Surrogate: Terphenyl-d14	4.79			mg/kg wet	6.67		71.9	51-99.6			

Matrix Spike (B1J1903-MS1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.49	0.33	0.031	mg/kg dry	6.82	<0.33	65.8	44.8-97.9			
1,4-Dichlorobenzene	3.99	0.33	0.029	mg/kg dry	6.82	<0.33	58.6	42.3-77.9			
2,4-Dinitrotoluene	5.30	0.33	0.035	mg/kg dry	6.82	<0.33	77.7	57.3-86.6			
2-Chlorophenol	4.25	0.68	0.061	mg/kg dry	6.82	<0.68	62.3	43.3-93.2			
4-Chloro-3-methylphenol	5.11	0.68	0.067	mg/kg dry	6.82	<0.68	74.9	47.1-97.6			
4-Nitrophenol	5.32	0.68	0.094	mg/kg dry	6.82	<0.68	77.9	49.3-96.2			
Anthracene	5.44	0.33	0.036	mg/kg dry	6.82	<0.33	79.7	67.5-93.1			
Benzo(a)anthracene	5.69	0.33	0.041	mg/kg dry	6.82	<0.33	83.4	59.8-95.7			
Benzo(a)pyrene	5.26	0.33	0.042	mg/kg dry	6.82	<0.33	77.1	59.8-92.7			
Chrysene	5.80	0.33	0.044	mg/kg dry	6.82	<0.33	85.0	62.5-94.6			
Fluoranthene	5.27	0.33	0.039	mg/kg dry	6.82	<0.33	77.2	61.3-92.8			
Fluorene	5.13	0.33	0.035	mg/kg dry	6.82	<0.33	75.2	62.8-92.6			
N-Nitrosodi-n-propylamine	4.58	0.33	0.033	mg/kg dry	6.82	<0.33	67.1	46.9-89.9			
Pentachlorophenol	4.07	0.68	0.079	mg/kg dry	6.82	<0.68	59.6	40.1-95.1			
Phenanthrene	5.40	0.33	0.036	mg/kg dry	6.82	<0.33	79.2	65.2-92.2			
Phenol	4.36	0.68	0.070	mg/kg dry	6.82	<0.68	64.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105037 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Matrix Spike (B1J1903-MS1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

Surrogate: 2,4,6-Tribromophenol	5.70			mg/kg dry	6.82		83.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.43			mg/kg dry	6.82		64.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.17			mg/kg dry	6.82		61.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.37			mg/kg dry	6.82		64.1	48.9-100			
Surrogate: Phenol-d6	4.59			mg/kg dry	6.82		67.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.91			mg/kg dry	6.82		72.1	51-99.6			

Matrix Spike Dup (B1J1903-MSD1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.02	0.33	0.031	mg/kg dry	6.74	<0.33	59.7	44.8-97.9	11.0	19.6	
1,4-Dichlorobenzene	3.53	0.33	0.029	mg/kg dry	6.74	<0.33	52.3	42.3-77.9	12.4	22.4	
2,4-Dinitrotoluene	5.11	0.33	0.035	mg/kg dry	6.74	<0.33	75.8	57.3-86.6	3.64	19.5	
2-Chlorophenol	3.82	0.68	0.061	mg/kg dry	6.74	<0.68	56.7	43.3-93.2	10.7	23.7	
4-Chloro-3-methylphenol	4.86	0.68	0.067	mg/kg dry	6.74	<0.68	72.1	47.1-97.6	5.03	18.3	
4-Nitrophenol	5.21	0.68	0.094	mg/kg dry	6.74	<0.68	77.3	49.3-96.2	1.99	20.4	
Anthracene	5.28	0.33	0.036	mg/kg dry	6.74	<0.33	78.4	67.5-93.1	2.91	19.9	
Benzo(a)anthracene	5.57	0.33	0.041	mg/kg dry	6.74	<0.33	82.7	59.8-95.7	2.08	23.4	
Benzo(a)pyrene	5.16	0.33	0.042	mg/kg dry	6.74	<0.33	76.6	59.8-92.7	1.88	21.1	
Chrysene	5.69	0.33	0.044	mg/kg dry	6.74	<0.33	84.5	62.5-94.6	1.81	24.8	
Fluoranthene	5.15	0.33	0.039	mg/kg dry	6.74	<0.33	76.5	61.3-92.8	2.21	21.8	
Fluorene	4.90	0.33	0.035	mg/kg dry	6.74	<0.33	72.7	62.8-92.6	4.58	17.6	
N-Nitrosodi-n-propylamine	4.17	0.33	0.033	mg/kg dry	6.74	<0.33	61.9	46.9-89.9	9.23	18.9	
Pentachlorophenol	4.00	0.68	0.079	mg/kg dry	6.74	<0.68	59.4	40.1-95.1	1.54	19.7	
Phenanthrene	5.22	0.33	0.036	mg/kg dry	6.74	<0.33	77.5	65.2-92.2	3.40	20.5	
Phenol	3.97	0.68	0.070	mg/kg dry	6.74	<0.68	59.0	44.7-91	9.39	17.9	
Surrogate: 2,4,6-Tribromophenol	5.50			mg/kg dry	6.74		81.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.13			mg/kg dry	6.74		61.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.68			mg/kg dry	6.74		54.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg dry	6.74		58.3	48.9-100			
Surrogate: Phenol-d6	4.18			mg/kg dry	6.74		62.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.81			mg/kg dry	6.74		71.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105037 Date Reported: 10/25/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 25, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105038
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/12/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "Bach Pham", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "Triet Le", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105038 Date Reported: 10/25/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
251A-TT3A_14-14	1105038-01	Soil	10/12/11 09:15	10/12/11 13:55

Shipping Container Information

Default Cooler Temperature (°C): 10.3

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105038 Date Reported: 10/25/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-TT3A_14-14 (1105038-01) Soil Sampled: 10/12/11 09:15 Received: 10/12/11 13:55										
% Solids	98			%	1	B1J1911	10/19/11	10/19/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105038 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-TT3A_14-14 (1105038-01) Soil Sampled: 10/12/11 09:15 Received: 10/12/11 13:55										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J1903	10/19/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105038 Date Reported: 10/25/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
251A-TT3A_14-14 (1105038-01) Soil Sampled: 10/12/11 09:15 Received: 10/12/11 13:55										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J1903	10/19/11	10/20/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.055	0.34	0.040	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	J
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	0.061	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	70.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	57.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	56.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	87.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105038 Date Reported: 10/25/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J1911 - General Preparation											
Duplicate (B1J1911-DUP1)											
% Solids	94.0			%		94.0			0.00	20	
Duplicate (B1J1911-DUP2)											
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1J1911-DUP3)											
% Solids	92.0			%		92.0			0.00	20	
Duplicate (B1J1911-DUP4)											
% Solids	98.0			%		98.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105038 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Blank (B1J1903-BLK1)

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105038 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Blank (B1J1903-BLK1)

Prepared & Analyzed: 10/19/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.61			mg/kg wet	6.67		69.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.53			mg/kg wet	6.67		68.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.26			mg/kg wet	6.67		63.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.28			mg/kg wet	6.67		64.1	48.9-100			
Surrogate: Phenol-d6	4.12			mg/kg wet	6.67		61.9	50.4-99.6			
Surrogate: Terphenyl-d14	6.03			mg/kg wet	6.67		90.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105038 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

LCS (B1J1903-BS1)

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.11	0.33	0.031	mg/kg wet	6.67		61.6	59.1-87.7			
1,4-Dichlorobenzene	4.01	0.33	0.029	mg/kg wet	6.67		60.1	50.3-72.9			
2,4-Dinitrotoluene	4.72	0.33	0.035	mg/kg wet	6.67		70.8	59.8-82.2			
2-Chlorophenol	4.41	0.67	0.060	mg/kg wet	6.67		66.2	59.7-77.3			
4-Chloro-3-methylphenol	4.47	0.67	0.066	mg/kg wet	6.67		67.0	63.6-80.4			
4-Nitrophenol	4.27	0.67	0.093	mg/kg wet	6.67		64.1	57.3-84.9			
Anthracene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.3-88			
Benzo(a)anthracene	5.48	0.33	0.041	mg/kg wet	6.67		82.3	66.5-90.5			
Benzo(a)pyrene	5.68	0.33	0.042	mg/kg wet	6.67		85.2	66.1-89.7			
Chrysene	5.31	0.33	0.044	mg/kg wet	6.67		79.7	65.5-90.5			
Fluoranthene	5.56	0.33	0.039	mg/kg wet	6.67		83.5	66.7-89.9			
Fluorene	5.20	0.33	0.035	mg/kg wet	6.67		78.0	66.2-85.6			
N-Nitrosodi-n-propylamine	4.22	0.33	0.033	mg/kg wet	6.67		63.3	59.4-78			
Pentachlorophenol	3.34	0.67	0.078	mg/kg wet	6.67		50.1	46.7-83.2			
Phenanthrene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.5-87.9			
Phenol	4.26	0.67	0.069	mg/kg wet	6.67		63.9	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.49			mg/kg wet	6.67		67.4	53-107			
Surrogate: 2-Fluorobiphenyl	4.52			mg/kg wet	6.67		67.8	53.9-97.9			
Surrogate: 2-Fluorophenol	3.99			mg/kg wet	6.67		59.9	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.22			mg/kg wet	6.67		63.3	48.9-100			
Surrogate: Phenol-d6	4.36			mg/kg wet	6.67		65.4	50.4-99.6			
Surrogate: Terphenyl-d14	4.79			mg/kg wet	6.67		71.9	51-99.6			

Matrix Spike (B1J1903-MS1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.49	0.33	0.031	mg/kg dry	6.82	<0.33	65.8	44.8-97.9			
1,4-Dichlorobenzene	3.99	0.33	0.029	mg/kg dry	6.82	<0.33	58.6	42.3-77.9			
2,4-Dinitrotoluene	5.30	0.33	0.035	mg/kg dry	6.82	<0.33	77.7	57.3-86.6			
2-Chlorophenol	4.25	0.68	0.061	mg/kg dry	6.82	<0.68	62.3	43.3-93.2			
4-Chloro-3-methylphenol	5.11	0.68	0.067	mg/kg dry	6.82	<0.68	74.9	47.1-97.6			
4-Nitrophenol	5.32	0.68	0.094	mg/kg dry	6.82	<0.68	77.9	49.3-96.2			
Anthracene	5.44	0.33	0.036	mg/kg dry	6.82	<0.33	79.7	67.5-93.1			
Benzo(a)anthracene	5.69	0.33	0.041	mg/kg dry	6.82	<0.33	83.4	59.8-95.7			
Benzo(a)pyrene	5.26	0.33	0.042	mg/kg dry	6.82	<0.33	77.1	59.8-92.7			
Chrysene	5.80	0.33	0.044	mg/kg dry	6.82	<0.33	85.0	62.5-94.6			
Fluoranthene	5.27	0.33	0.039	mg/kg dry	6.82	<0.33	77.2	61.3-92.8			
Fluorene	5.13	0.33	0.035	mg/kg dry	6.82	<0.33	75.2	62.8-92.6			
N-Nitrosodi-n-propylamine	4.58	0.33	0.033	mg/kg dry	6.82	<0.33	67.1	46.9-89.9			
Pentachlorophenol	4.07	0.68	0.079	mg/kg dry	6.82	<0.68	59.6	40.1-95.1			
Phenanthrene	5.40	0.33	0.036	mg/kg dry	6.82	<0.33	79.2	65.2-92.2			
Phenol	4.36	0.68	0.070	mg/kg dry	6.82	<0.68	64.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105038 Date Reported: 10/25/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J1903 - EPA 3545 ASE Extraction

Matrix Spike (B1J1903-MS1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

Surrogate: 2,4,6-Tribromophenol	5.70			mg/kg dry	6.82		83.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.43			mg/kg dry	6.82		64.9	53.9-97.9			
Surrogate: 2-Fluorophenol	4.17			mg/kg dry	6.82		61.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.37			mg/kg dry	6.82		64.1	48.9-100			
Surrogate: Phenol-d6	4.59			mg/kg dry	6.82		67.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.91			mg/kg dry	6.82		72.1	51-99.6			

Matrix Spike Dup (B1J1903-MSD1)

Source: 1104916-10

Prepared & Analyzed: 10/19/11

1,2,4-Trichlorobenzene	4.02	0.33	0.031	mg/kg dry	6.74	<0.33	59.7	44.8-97.9	11.0	19.6	
1,4-Dichlorobenzene	3.53	0.33	0.029	mg/kg dry	6.74	<0.33	52.3	42.3-77.9	12.4	22.4	
2,4-Dinitrotoluene	5.11	0.33	0.035	mg/kg dry	6.74	<0.33	75.8	57.3-86.6	3.64	19.5	
2-Chlorophenol	3.82	0.68	0.061	mg/kg dry	6.74	<0.68	56.7	43.3-93.2	10.7	23.7	
4-Chloro-3-methylphenol	4.86	0.68	0.067	mg/kg dry	6.74	<0.68	72.1	47.1-97.6	5.03	18.3	
4-Nitrophenol	5.21	0.68	0.094	mg/kg dry	6.74	<0.68	77.3	49.3-96.2	1.99	20.4	
Anthracene	5.28	0.33	0.036	mg/kg dry	6.74	<0.33	78.4	67.5-93.1	2.91	19.9	
Benzo(a)anthracene	5.57	0.33	0.041	mg/kg dry	6.74	<0.33	82.7	59.8-95.7	2.08	23.4	
Benzo(a)pyrene	5.16	0.33	0.042	mg/kg dry	6.74	<0.33	76.6	59.8-92.7	1.88	21.1	
Chrysene	5.69	0.33	0.044	mg/kg dry	6.74	<0.33	84.5	62.5-94.6	1.81	24.8	
Fluoranthene	5.15	0.33	0.039	mg/kg dry	6.74	<0.33	76.5	61.3-92.8	2.21	21.8	
Fluorene	4.90	0.33	0.035	mg/kg dry	6.74	<0.33	72.7	62.8-92.6	4.58	17.6	
N-Nitrosodi-n-propylamine	4.17	0.33	0.033	mg/kg dry	6.74	<0.33	61.9	46.9-89.9	9.23	18.9	
Pentachlorophenol	4.00	0.68	0.079	mg/kg dry	6.74	<0.68	59.4	40.1-95.1	1.54	19.7	
Phenanthrene	5.22	0.33	0.036	mg/kg dry	6.74	<0.33	77.5	65.2-92.2	3.40	20.5	
Phenol	3.97	0.68	0.070	mg/kg dry	6.74	<0.68	59.0	44.7-91	9.39	17.9	
Surrogate: 2,4,6-Tribromophenol	5.50			mg/kg dry	6.74		81.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.13			mg/kg dry	6.74		61.4	53.9-97.9			
Surrogate: 2-Fluorophenol	3.68			mg/kg dry	6.74		54.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg dry	6.74		58.3	48.9-100			
Surrogate: Phenol-d6	4.18			mg/kg dry	6.74		62.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.81			mg/kg dry	6.74		71.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105038 Date Reported: 10/25/11
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Notes and Definitions

T-1 MDH does not offer certification for this parameter.
J Parameter was present between the MDL and RL and should be considered an estimated value
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 28, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105067
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/19/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "Bach Pham", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "Dan Brezina", written over a horizontal line.

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105067 Date Reported: 10/28/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22926-TT2_4-4	1105067-01	Soil	10/18/11 14:30	10/19/11 10:45
222A-TT1_3-3	1105067-02	Soil	10/18/11 15:00	10/19/11 10:45

Shipping Container Information

Default Cooler Temperature (°C): 3.3

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105067 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22926-TT2_4-4 (1105067-01) Soil Sampled: 10/18/11 14:30 Received: 10/19/11 10:45										
Arsenic	10	0.54	0.059	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	120	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	21	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J2108	10/21/11	10/25/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
222A-TT1_3-3 (1105067-02) Soil Sampled: 10/18/11 15:00 Received: 10/19/11 10:45										
Arsenic	1.8	0.51	0.056	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	25	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	6.5	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.9	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105067 Date Reported: 10/28/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
22926-TT2_4-4 (1105067-01) Soil Sampled: 10/18/11 14:30 Received: 10/19/11 10:45										
% Solids	88			%	1	B1J2705	10/27/11	10/27/11	% calculation	
222A-TT1_3-3 (1105067-02) Soil Sampled: 10/18/11 15:00 Received: 10/19/11 10:45										
% Solids	99			%	1	B1J2705	10/27/11	10/27/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105067 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2003 - EPA 3050B

Blank (B1J2003-BLK1)

Prepared & Analyzed: 10/20/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J2003-BS1)

Prepared & Analyzed: 10/20/11

Arsenic	40.9	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.6	1.0	0.060	mg/kg wet	39.9		107	80-120			
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	42.1	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	41.1	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.10	0.25	0.016	mg/kg wet	3.99		103	80-120			

LCS Dup (B1J2003-BSD1)

Prepared & Analyzed: 10/20/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120	0.918	20	
Barium	42.4	1.0	0.060	mg/kg wet	39.9		106	80-120	0.395	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	0.653	20	
Chromium	41.4	0.50	0.012	mg/kg wet	39.9		104	80-120	0.578	20	
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120	0.342	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	0.476	20	
Silver	4.09	0.25	0.016	mg/kg wet	3.99		103	80-120	0.148	20	

Matrix Spike (B1J2003-MS1)

Source: 1105067-01

Prepared & Analyzed: 10/20/11

Arsenic	48.3	0.54	0.059	mg/kg dry	42.9	10.0	89.2	75-125			
Barium	157	1.1	0.065	mg/kg dry	42.9	116	95.5	75-125			
Cadmium	39.7	0.27	0.036	mg/kg dry	42.9	<0.27	91.9	75-125			
Chromium	61.7	0.54	0.013	mg/kg dry	42.9	21.5	93.7	75-125			
Lead	50.0	1.1	0.15	mg/kg dry	42.9	11.3	90.1	75-125			
Selenium	37.6	1.1	0.10	mg/kg dry	42.9	<1.1	87.7	75-125			
Silver	3.85	0.27	0.017	mg/kg dry	4.29	<0.27	89.6	75-125			

Matrix Spike Dup (B1J2003-MSD1)

Source: 1105067-01

Prepared & Analyzed: 10/20/11

Arsenic	47.8	0.53	0.059	mg/kg dry	42.5	10.0	89.1	75-125	0.986	20	
Barium	156	1.1	0.064	mg/kg dry	42.5	116	94.5	75-125	0.585	20	
Cadmium	39.4	0.27	0.035	mg/kg dry	42.5	<0.27	92.2	75-125	0.752	20	
Chromium	61.7	0.53	0.013	mg/kg dry	42.5	21.5	94.8	75-125	0.0185	20	
Lead	49.5	1.1	0.15	mg/kg dry	42.5	11.3	90.1	75-125	0.881	20	
Selenium	37.3	1.1	0.10	mg/kg dry	42.5	<1.1	87.8	75-125	0.941	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105067 Date Reported: 10/28/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2705 - General Preparation											
Duplicate (B1J2705-DUP1)						Source: 1105068-03		Prepared & Analyzed: 10/27/11			
% Solids	88.0			%		88.0			0.00	20	
Duplicate (B1J2705-DUP2)						Source: 1105071-09		Prepared & Analyzed: 10/27/11			
% Solids	99.0			%		99.0			0.00	20	
Duplicate (B1J2705-DUP3)						Source: 1105078-12		Prepared & Analyzed: 10/27/11			
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1J2705-DUP4)						Source: 1105164-03		Prepared & Analyzed: 10/27/11			
% Solids	95.0			%		95.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105067 Date Reported: 10/28/11
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Notes and Definitions

< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR

Project Number: 2319-1092.00 48R1 820
Project Name: WMore K1 - GOW Central
Sample Origination State: MN (use two letter postal state abbreviation)

COC: 1106007

Project Manager: JME
Project QC Contact: AAN
Sampled by: KLB
Laboratory: Legend

Number of Containers/Preservative

Water		Soil	
VOCs (HCl) #1		VOCs (tared MeOH) #2	
SVOCs (unpreserved) #2		GRQ, BTEX (tared MeOH) #1	
Disolved Metals (HNO3)		DRO (tared unpreserved)	
Total Metals (HNO3)		Metals (unpreserved) #2	
General (unpreserved) #3		SVOCs (unpreserved) #2	
Diesel Range Organics (BCL)		% Solids (plastic vial unpres.)	
Nutrients (H2SO4) #4			

COC Number: **NO 36981**

Location	Start Depth	Stop Depth	Depth Unit (m, ft, or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	
						Water	Soil	Grab	Comp
1. 22920-T12	4	4	ft	10/18/11	1430	X	Y		
2. 222A-T17	3	3	ft	↓	1570	X	X		
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

Requisitioned By: Scott Schinke
Requisitioned By: _____

On Ice? N Y
On Ice? Y N

Date: 10/19/11 0600
Date: 10/19/11 1045

Received by: _____
Received by: JK

Time: _____
Time: _____

Received by: _____
Received by: _____

Time: _____
Time: _____

Air Bill Number: _____

Sample Shipped Via: Air Freight Federal Express Sampler Other: _____

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfide
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

cont pt 3.38

Requisitioned By: _____
Requisitioned By: _____

Date: _____
Date: _____

Received by: _____
Received by: _____

Time: _____
Time: _____

Received by: _____
Received by: _____

Time: _____
Time: _____

Air Bill Number: _____

Sample Shipped Via: Air Freight Federal Express Sampler Other: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 28, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105068
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/19/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "T-LE", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
239A-TT1_0.5-0.5	1105068-01	Soil	10/18/11 14:00	10/19/11 10:45
16T-TT2A_4-4	1105068-02	Soil	10/18/11 15:30	10/19/11 10:45
411B-TT1_0.5-0.5	1105068-03	Soil	10/18/11 15:45	10/19/11 10:45
32T-TT2A_3-3	1105068-04	Soil	10/18/11 16:15	10/19/11 10:45

Shipping Container Information

Default Cooler Temperature (°C): 3.3

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
239A-TT1_0.5-0.5 (1105068-01) Soil Sampled: 10/18/11 14:00 Received: 10/19/11 10:45										
Arsenic	5.4	0.54	0.060	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	94	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	15	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	9.8	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
16T-TT2A_4-4 (1105068-02) Soil Sampled: 10/18/11 15:30 Received: 10/19/11 10:45										
Arsenic	6.2	0.58	0.064	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	110	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	19	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	7.9	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
411B-TT1_0.5-0.5 (1105068-03) Soil Sampled: 10/18/11 15:45 Received: 10/19/11 10:45										
Arsenic	4.8	0.57	0.062	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	130	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	14	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	27	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
32T-TT2A_3-3 (1105068-04) Soil Sampled: 10/18/11 16:15 Received: 10/19/11 10:45										
Arsenic	1.6	0.51	0.056	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	20	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	7.1	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.8	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
239A-TT1_0.5-0.5 (1105068-01) Soil Sampled: 10/18/11 14:00 Received: 10/19/11 10:45										
% Solids	92			%	1	B1J2705	10/27/11	10/27/11	% calculation	
16T-TT2A_4-4 (1105068-02) Soil Sampled: 10/18/11 15:30 Received: 10/19/11 10:45										
% Solids	86			%	1	B1J2705	10/27/11	10/27/11	% calculation	
411B-TT1_0.5-0.5 (1105068-03) Soil Sampled: 10/18/11 15:45 Received: 10/19/11 10:45										
% Solids	88			%	1	B1J2705	10/27/11	10/27/11	% calculation	
32T-TT2A_3-3 (1105068-04) Soil Sampled: 10/18/11 16:15 Received: 10/19/11 10:45										
% Solids	98			%	1	B1J2705	10/27/11	10/27/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
239A-TT1_0.5-0.5 (1105068-01) Soil Sampled: 10/18/11 14:00 Received: 10/19/11 10:45										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
239A-TT1_0.5-0.5 (1105068-01) Soil Sampled: 10/18/11 14:00 Received: 10/19/11 10:45										
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	72.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	85.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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411B-TT1_0.5-0.5 (1105068-03) Soil Sampled: 10/18/11 15:45 Received: 10/19/11 10:45

1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
411B-TT1_0.5-0.5 (1105068-03) Soil Sampled: 10/18/11 15:45 Received: 10/19/11 10:45										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1J2404	10/24/11	10/25/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.10	0.38	0.050	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	86.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2003 - EPA 3050B

Blank (B1J2003-BLK1)

Prepared & Analyzed: 10/20/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J2003-BS1)

Prepared & Analyzed: 10/20/11

Arsenic	40.9	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.6	1.0	0.060	mg/kg wet	39.9		107	80-120			
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	42.1	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	41.1	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.10	0.25	0.016	mg/kg wet	3.99		103	80-120			

LCS Dup (B1J2003-BSD1)

Prepared & Analyzed: 10/20/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120	0.918	20	
Barium	42.4	1.0	0.060	mg/kg wet	39.9		106	80-120	0.395	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	0.653	20	
Chromium	41.4	0.50	0.012	mg/kg wet	39.9		104	80-120	0.578	20	
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120	0.342	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	0.476	20	
Silver	4.09	0.25	0.016	mg/kg wet	3.99		103	80-120	0.148	20	

Matrix Spike (B1J2003-MS1)

Source: 1105067-01

Prepared & Analyzed: 10/20/11

Arsenic	48.3	0.54	0.059	mg/kg dry	42.9	10.0	89.2	75-125			
Barium	157	1.1	0.065	mg/kg dry	42.9	116	95.5	75-125			
Cadmium	39.7	0.27	0.036	mg/kg dry	42.9	<0.27	91.9	75-125			
Chromium	61.7	0.54	0.013	mg/kg dry	42.9	21.5	93.7	75-125			
Lead	50.0	1.1	0.15	mg/kg dry	42.9	11.3	90.1	75-125			
Selenium	37.6	1.1	0.10	mg/kg dry	42.9	<1.1	87.7	75-125			
Silver	3.85	0.27	0.017	mg/kg dry	4.29	<0.27	89.6	75-125			

Matrix Spike Dup (B1J2003-MSD1)

Source: 1105067-01

Prepared & Analyzed: 10/20/11

Arsenic	47.8	0.53	0.059	mg/kg dry	42.5	10.0	89.1	75-125	0.986	20	
Barium	156	1.1	0.064	mg/kg dry	42.5	116	94.5	75-125	0.585	20	
Cadmium	39.4	0.27	0.035	mg/kg dry	42.5	<0.27	92.2	75-125	0.752	20	
Chromium	61.7	0.53	0.013	mg/kg dry	42.5	21.5	94.8	75-125	0.0185	20	
Lead	49.5	1.1	0.15	mg/kg dry	42.5	11.3	90.1	75-125	0.881	20	
Selenium	37.3	1.1	0.10	mg/kg dry	42.5	<1.1	87.8	75-125	0.941	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2003 - EPA 3050B											
Matrix Spike Dup (B1J2003-MSD1)			Source: 1105067-01			Prepared & Analyzed: 10/20/11					
Silver	3.82	0.27	0.017	mg/kg dry	4.25	<0.27	90.0	75-125	0.748	20	
Batch B1J2108 - EPA 7471A											
Blank (B1J2108-BLK1)						Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J2108-BS1)						Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	0.196	0.10	0.019	mg/kg wet	0.200		98.0	80-120			
LCS Dup (B1J2108-BSD1)						Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	0.190	0.10	0.019	mg/kg wet	0.200		95.0	80-120	3.11	20	
Matrix Spike (B1J2108-MS1)			Source: 1105067-01			Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	0.269	0.11	0.022	mg/kg dry	0.223	<0.11	101	75-125			
Matrix Spike Dup (B1J2108-MSD1)			Source: 1105067-01			Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	0.269	0.11	0.022	mg/kg dry	0.221	<0.11	102	75-125	0.112	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2705 - General Preparation											
Duplicate (B1J2705-DUP1)											
% Solids	88.0			%		88.0			0.00	20	
Duplicate (B1J2705-DUP2)											
% Solids	99.0			%		99.0			0.00	20	
Duplicate (B1J2705-DUP3)											
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1J2705-DUP4)											
% Solids	95.0			%		95.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Blank (B1J2404-BLK1)

Prepared & Analyzed: 10/24/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Blank (B1J2404-BLK1)

Prepared & Analyzed: 10/24/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.52			mg/kg wet	6.67		67.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.28			mg/kg wet	6.67		64.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.15			mg/kg wet	6.67		62.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.93			mg/kg wet	6.67		59.0	48.9-100			
Surrogate: Phenol-d6	4.02			mg/kg wet	6.67		60.2	50.4-99.6			
Surrogate: Terphenyl-d14	5.65			mg/kg wet	6.67		84.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

LCS (B1J2404-BS1)

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	3.98	0.33	0.031	mg/kg wet	6.67		59.8	59.1-87.7			
1,4-Dichlorobenzene	3.72	0.33	0.029	mg/kg wet	6.67		55.9	50.3-72.9			
2,4-Dinitrotoluene	4.64	0.33	0.035	mg/kg wet	6.67		69.7	59.8-82.2			
2-Chlorophenol	4.54	0.67	0.060	mg/kg wet	6.67		68.1	59.7-77.3			
4-Chloro-3-methylphenol	4.74	0.67	0.066	mg/kg wet	6.67		71.2	63.6-80.4			
4-Nitrophenol	5.06	0.67	0.093	mg/kg wet	6.67		75.8	57.3-84.9			
Anthracene	5.18	0.33	0.036	mg/kg wet	6.67		77.8	67.3-88			
Benzo(a)anthracene	4.98	0.33	0.041	mg/kg wet	6.67		74.7	66.5-90.5			
Benzo(a)pyrene	4.97	0.33	0.042	mg/kg wet	6.67		74.6	66.1-89.7			
Chrysene	5.04	0.33	0.044	mg/kg wet	6.67		75.6	65.5-90.5			
Fluoranthene	5.17	0.33	0.039	mg/kg wet	6.67		77.5	66.7-89.9			
Fluorene	4.65	0.33	0.035	mg/kg wet	6.67		69.8	66.2-85.6			
N-Nitrosodi-n-propylamine	4.12	0.33	0.033	mg/kg wet	6.67		61.8	59.4-78			
Pentachlorophenol	4.57	0.67	0.078	mg/kg wet	6.67		68.6	46.7-83.2			
Phenanthrene	5.09	0.33	0.036	mg/kg wet	6.67		76.4	67.5-87.9			
Phenol	4.40	0.67	0.069	mg/kg wet	6.67		65.9	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	4.92			mg/kg wet	6.67		73.8	53-107			
Surrogate: 2-Fluorobiphenyl	4.45			mg/kg wet	6.67		66.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.16			mg/kg wet	6.67		62.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.98			mg/kg wet	6.67		59.7	48.9-100			
Surrogate: Phenol-d6	4.49			mg/kg wet	6.67		67.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.36			mg/kg wet	6.67		65.4	51-99.6			

Matrix Spike (B1J2404-MS1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.50	0.38	0.036	mg/kg dry	7.76	<0.38	58.0	44.8-97.9			
1,4-Dichlorobenzene	3.93	0.38	0.033	mg/kg dry	7.76	<0.38	50.7	42.3-77.9			
2,4-Dinitrotoluene	5.62	0.38	0.040	mg/kg dry	7.76	<0.38	72.4	57.3-86.6			
2-Chlorophenol	4.97	0.77	0.069	mg/kg dry	7.76	<0.77	64.1	43.3-93.2			
4-Chloro-3-methylphenol	5.52	0.77	0.076	mg/kg dry	7.76	<0.77	71.1	47.1-97.6			
4-Nitrophenol	6.28	0.77	0.11	mg/kg dry	7.76	<0.77	81.0	49.3-96.2			
Anthracene	6.39	0.38	0.041	mg/kg dry	7.76	<0.38	81.3	67.5-93.1			
Benzo(a)anthracene	6.50	0.38	0.047	mg/kg dry	7.76	<0.38	80.2	59.8-95.7			
Benzo(a)pyrene	6.41	0.38	0.048	mg/kg dry	7.76	<0.38	80.0	59.8-92.7			
Chrysene	6.58	0.38	0.051	mg/kg dry	7.76	<0.38	81.0	62.5-94.6			
Fluoranthene	6.93	0.38	0.045	mg/kg dry	7.76	0.471	83.2	61.3-92.8			
Fluorene	5.61	0.38	0.040	mg/kg dry	7.76	<0.38	72.3	62.8-92.6			
N-Nitrosodi-n-propylamine	4.91	0.38	0.038	mg/kg dry	7.76	<0.38	63.2	46.9-89.9			
Pentachlorophenol	7.30	0.77	0.090	mg/kg dry	7.76	1.00	81.1	40.1-95.1			
Phenanthrene	6.55	0.38	0.041	mg/kg dry	7.76	<0.38	80.9	65.2-92.2			
Phenol	4.83	0.77	0.079	mg/kg dry	7.76	<0.77	62.2	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2404 - EPA 3545 ASE Extraction

Matrix Spike (B1J2404-MS1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

Surrogate: 2,4,6-Tribromophenol	6.60			mg/kg dry	7.76		85.1	53-107			
Surrogate: 2-Fluorobiphenyl	5.41			mg/kg dry	7.76		69.7	53.9-97.9			
Surrogate: 2-Fluorophenol	5.06			mg/kg dry	7.76		65.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.57			mg/kg dry	7.76		58.8	48.9-100			
Surrogate: Phenol-d6	5.38			mg/kg dry	7.76		69.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.59			mg/kg dry	7.76		72.1	51-99.6			

Matrix Spike Dup (B1J2404-MSD1)

Source: 1105003-07

Prepared: 10/24/11 Analyzed: 10/25/11

1,2,4-Trichlorobenzene	5.19	0.38	0.036	mg/kg dry	7.78	<0.38	66.7	44.8-97.9	14.3	19.6	
1,4-Dichlorobenzene	4.61	0.38	0.033	mg/kg dry	7.78	<0.38	59.3	42.3-77.9	15.9	22.4	
2,4-Dinitrotoluene	5.39	0.38	0.040	mg/kg dry	7.78	<0.38	69.3	57.3-86.6	4.12	19.5	
2-Chlorophenol	5.42	0.77	0.069	mg/kg dry	7.78	<0.77	69.6	43.3-93.2	8.57	23.7	
4-Chloro-3-methylphenol	5.76	0.77	0.076	mg/kg dry	7.78	<0.77	74.1	47.1-97.6	4.25	18.3	
4-Nitrophenol	6.10	0.77	0.11	mg/kg dry	7.78	<0.77	78.5	49.3-96.2	2.94	20.4	
Anthracene	6.21	0.38	0.041	mg/kg dry	7.78	<0.38	78.7	67.5-93.1	2.94	19.9	
Benzo(a)anthracene	6.08	0.38	0.047	mg/kg dry	7.78	<0.38	74.6	59.8-95.7	6.74	23.4	
Benzo(a)pyrene	5.98	0.38	0.048	mg/kg dry	7.78	<0.38	74.4	59.8-92.7	6.93	21.1	
Chrysene	6.10	0.38	0.051	mg/kg dry	7.78	<0.38	74.8	62.5-94.6	7.51	24.8	
Fluoranthene	6.54	0.38	0.045	mg/kg dry	7.78	0.471	78.0	61.3-92.8	5.80	21.8	
Fluorene	5.81	0.38	0.040	mg/kg dry	7.78	<0.38	74.7	62.8-92.6	3.49	17.6	
N-Nitrosodi-n-propylamine	5.10	0.38	0.038	mg/kg dry	7.78	<0.38	65.6	46.9-89.9	3.86	18.9	
Pentachlorophenol	6.69	0.77	0.090	mg/kg dry	7.78	1.00	73.1	40.1-95.1	8.63	19.7	
Phenanthrene	6.39	0.38	0.041	mg/kg dry	7.78	<0.38	78.6	65.2-92.2	2.55	20.5	
Phenol	5.15	0.77	0.079	mg/kg dry	7.78	<0.77	66.2	44.7-91	6.41	17.9	
Surrogate: 2,4,6-Tribromophenol	6.47			mg/kg dry	7.78		83.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.85			mg/kg dry	7.78		75.2	53.9-97.9			
Surrogate: 2-Fluorophenol	5.49			mg/kg dry	7.78		70.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.20			mg/kg dry	7.78		66.8	48.9-100			
Surrogate: Phenol-d6	5.73			mg/kg dry	7.78		73.6	50.4-99.6			
Surrogate: Terphenyl-d14	5.10			mg/kg dry	7.78		65.6	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105068 Date Reported: 10/28/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
J	Parameter was present between the MDL and RL and should be considered an estimated value
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

Project Number: 2319-1092-00 48L 820

Project Name: 16MAY R1 - ABC Line

Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: NO 36980

1105068

COC 1 of 1

Project Manager: JME

Project QC Contact: APAN

Sampled by: KLS

Laboratory: Legend

Number of Containers/Preservative

Water		Soil	
VOCs (unpreserved) #2		VOCs (unpreserved) #2	
Disolved Metals (HNO3)		Metals (unpreserved)	
Total Metals (HNO3)		DRO (tared unpreserved)	
General (unpreserved) #3		GRQ, BTEX (tared MeOH) #1	
Diesel Range Organics (BCL)		VOCs (tared MeOH) #1	
Nutrients (H2SO4) #4			

Total Number Of Containers: 2

Location	Start Depth (m./ft. or in.)	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	On Ice?	Date	Time	Received by:	Date	Time
						Soil	Grp							
1. 239A-TT1	0.5	0.5	ft	10/18/2011	1400	X	X	X	<input checked="" type="checkbox"/>	10/19/11	0600	Legend	10/19/11	10:45
2. 16T-TT2A	4	4			1530	X	X	X	<input checked="" type="checkbox"/>					
3. 411B-TT1	0.5	0.5			1545	X	X	X	<input checked="" type="checkbox"/>					
4. 32T-TT2A	3	3			1615	X	X	X	<input checked="" type="checkbox"/>					
5. 32T-TT2A	6	6							<input checked="" type="checkbox"/>					
6. 32T-TT2A									<input checked="" type="checkbox"/>					
7. 32T-TT2A									<input checked="" type="checkbox"/>					
8. 32T-TT2A									<input checked="" type="checkbox"/>					
9. 32T-TT2A									<input checked="" type="checkbox"/>					
10. 32T-TT2A									<input checked="" type="checkbox"/>					

Relinquished By: West Sample

Relinquished By: Legend

Samples Shipped Via: Air Freight Federal Express Sampler Other: USX 142330

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 28, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105071
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/19/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink that reads "D. Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105071 Date Reported: 10/28/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
617A-TT22_0.5-0.5	1105071-01	Soil	10/18/11 08:00	10/19/11 10:45
617A-TT21_0.5-0.5	1105071-02	Soil	10/18/11 08:30	10/19/11 10:45
617A-TT20_0.5-0.5	1105071-03	Soil	10/18/11 09:00	10/19/11 10:45
617A-TT23_2-2	1105071-04	Soil	10/18/11 09:15	10/19/11 10:45
617A-TT24_2-2	1105071-05	Soil	10/18/11 09:30	10/19/11 10:45
617A-TT10_0.5-0.5	1105071-06	Soil	10/18/11 10:15	10/19/11 10:45
617A-TT10_4-4	1105071-07	Soil	10/18/11 10:30	10/19/11 10:45
617A-TT11_0.5-0.5	1105071-08	Soil	10/18/11 11:00	10/19/11 10:45
617A-TT11_4-4	1105071-09	Soil	10/18/11 11:15	10/19/11 10:45
CAP-TT11A_2.5-2.5	1105071-10	Soil	10/18/11 12:30	10/19/11 10:45

Shipping Container Information

Default Cooler Temperature (°C): 3.3

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105071 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT22_0.5-0.5 (1105071-01) Soil Sampled: 10/18/11 08:00 Received: 10/19/11 10:45										
Arsenic	5.0	0.54	0.059	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	81	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	13	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	8.6	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
617A-TT21_0.5-0.5 (1105071-02) Soil Sampled: 10/18/11 08:30 Received: 10/19/11 10:45										
Arsenic	4.4	0.52	0.057	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	74	1.0	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	14	0.52	0.013	mg/kg dry	1	"	"	"	"	
Lead	8.4	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
617A-TT20_0.5-0.5 (1105071-03) Soil Sampled: 10/18/11 09:00 Received: 10/19/11 10:45										
Arsenic	4.7	0.57	0.062	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	87	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	15	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	8.8	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
617A-TT23_2-2 (1105071-04) Soil Sampled: 10/18/11 09:15 Received: 10/19/11 10:45										
Arsenic	9.2	0.57	0.062	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	140	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	21	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
617A-TT24_2-2 (1105071-05) Soil Sampled: 10/18/11 09:30 Received: 10/19/11 10:45										
Arsenic	4.6	0.56	0.062	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT24_2-2 (1105071-05) Soil Sampled: 10/18/11 09:30 Received: 10/19/11 10:45										
Barium	85	1.1	0.067	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	14	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	9.8	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	0.14	0.11	0.021	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
617A-TT10_0.5-0.5 (1105071-06) Soil Sampled: 10/18/11 10:15 Received: 10/19/11 10:45										
Arsenic	5.6	0.56	0.062	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	96	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	0.30	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	11	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
617A-TT10_4-4 (1105071-07) Soil Sampled: 10/18/11 10:30 Received: 10/19/11 10:45										
Arsenic	1.7	0.47	0.052	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	13	0.95	0.057	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.031	mg/kg dry	1	"	"	"	"	
Chromium	11	0.47	0.011	mg/kg dry	1	"	"	"	"	
Lead	1.9	0.95	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<0.95	0.95	0.090	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
617A-TT11_0.5-0.5 (1105071-08) Soil Sampled: 10/18/11 11:00 Received: 10/19/11 10:45										
Arsenic	6.1	0.56	0.061	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	110	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	12	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	14	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
617A-TT11_4-4 (1105071-09) Soil Sampled: 10/18/11 11:15 Received: 10/19/11 10:45										
Arsenic	2.0	0.51	0.056	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	17	1.0	0.061	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT11_4-4 (1105071-09) Soil Sampled: 10/18/11 11:15 Received: 10/19/11 10:45										
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Chromium	7.6	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.1	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
CAP-TT11A_2.5-2.5 (1105071-10) Soil Sampled: 10/18/11 12:30 Received: 10/19/11 10:45										
Arsenic	1.6	0.51	0.056	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	15	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	9.6	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.0	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT22_0.5-0.5 (1105071-01) Soil Sampled: 10/18/11 08:00 Received: 10/19/11 10:45										
% Solids	93			%	1	B1J2705	10/27/11	10/27/11	% calculation	
617A-TT21_0.5-0.5 (1105071-02) Soil Sampled: 10/18/11 08:30 Received: 10/19/11 10:45										
% Solids	90			%	1	B1J2705	10/27/11	10/27/11	% calculation	
617A-TT20_0.5-0.5 (1105071-03) Soil Sampled: 10/18/11 09:00 Received: 10/19/11 10:45										
% Solids	88			%	1	B1J2705	10/27/11	10/27/11	% calculation	
617A-TT23_2-2 (1105071-04) Soil Sampled: 10/18/11 09:15 Received: 10/19/11 10:45										
% Solids	84			%	1	B1J2705	10/27/11	10/27/11	% calculation	
617A-TT24_2-2 (1105071-05) Soil Sampled: 10/18/11 09:30 Received: 10/19/11 10:45										
% Solids	89			%	1	B1J2705	10/27/11	10/27/11	% calculation	
617A-TT10_0.5-0.5 (1105071-06) Soil Sampled: 10/18/11 10:15 Received: 10/19/11 10:45										
% Solids	89			%	1	B1J2705	10/27/11	10/27/11	% calculation	
617A-TT10_4-4 (1105071-07) Soil Sampled: 10/18/11 10:30 Received: 10/19/11 10:45										
% Solids	99			%	1	B1J2705	10/27/11	10/27/11	% calculation	
617A-TT11_0.5-0.5 (1105071-08) Soil Sampled: 10/18/11 11:00 Received: 10/19/11 10:45										
% Solids	90			%	1	B1J2705	10/27/11	10/27/11	% calculation	
617A-TT11_4-4 (1105071-09) Soil Sampled: 10/18/11 11:15 Received: 10/19/11 10:45										
% Solids	99			%	1	B1J2705	10/27/11	10/27/11	% calculation	
CAP-TT11A_2.5-2.5 (1105071-10) Soil Sampled: 10/18/11 12:30 Received: 10/19/11 10:45										
% Solids	98			%	1	B1J2705	10/27/11	10/27/11	% calculation	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT22_0.5-0.5 (1105071-01) Soil Sampled: 10/18/11 08:00 Received: 10/19/11 10:45										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.049	0.35	0.041	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	0.078	0.35	0.039	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.20	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.16	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.20	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT22_0.5-0.5 (1105071-01) Soil Sampled: 10/18/11 08:00 Received: 10/19/11 10:45										
Benzo(k)fluoranthene	0.085	0.35	0.052	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	J
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.21	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.30	0.35	0.042	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.12	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.32	0.35	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	0.25	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	87.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	80.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.4			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT24_2-2 (1105071-05) Soil Sampled: 10/18/11 09:30 Received: 10/19/11 10:45										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.056	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.075	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105071 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT24_2-2 (1105071-05) Soil Sampled: 10/18/11 09:30 Received: 10/19/11 10:45										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.067	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.053	0.37	0.045	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	59.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105071 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT10_0.5-0.5 (1105071-06) Soil Sampled: 10/18/11 10:15 Received: 10/19/11 10:45										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1J2502	10/25/11	10/26/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	1.3	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	0.13	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.21	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.13	0.37	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.20	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105071 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
617A-TT10_0.5-0.5 (1105071-06) Soil Sampled: 10/18/11 10:15 Received: 10/19/11 10:45										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1J2502	10/25/11	10/26/11	EPA 8270C	
Benzoic acid	0.35	0.37	0.027	mg/kg dry	1	"	"	"	"	J
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	0.048	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	0.25	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.26	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.12	0.37	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.061	0.37	0.045	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	0.74	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.99	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.11	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	80.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	70.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	61.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105071 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT11A_2.5-2.5 (1105071-10) Soil Sampled: 10/18/11 12:30 Received: 10/19/11 10:45										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105071 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CAP-TT11A_2.5-2.5 (1105071-10) Soil Sampled: 10/18/11 12:30 Received: 10/19/11 10:45										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	60.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.5			51-99.6 %		"	"	"	"	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2003 - EPA 3050B

Blank (B1J2003-BLK1)

Prepared & Analyzed: 10/20/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J2003-BS1)

Prepared & Analyzed: 10/20/11

Arsenic	40.9	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.6	1.0	0.060	mg/kg wet	39.9		107	80-120			
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	42.1	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	41.1	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.10	0.25	0.016	mg/kg wet	3.99		103	80-120			

LCS Dup (B1J2003-BSD1)

Prepared & Analyzed: 10/20/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120	0.918	20	
Barium	42.4	1.0	0.060	mg/kg wet	39.9		106	80-120	0.395	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	0.653	20	
Chromium	41.4	0.50	0.012	mg/kg wet	39.9		104	80-120	0.578	20	
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120	0.342	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	0.476	20	
Silver	4.09	0.25	0.016	mg/kg wet	3.99		103	80-120	0.148	20	

Matrix Spike (B1J2003-MS1)

Source: 1105067-01

Prepared & Analyzed: 10/20/11

Arsenic	48.3	0.54	0.059	mg/kg dry	42.9	10.0	89.2	75-125			
Barium	157	1.1	0.065	mg/kg dry	42.9	116	95.5	75-125			
Cadmium	39.7	0.27	0.036	mg/kg dry	42.9	<0.27	91.9	75-125			
Chromium	61.7	0.54	0.013	mg/kg dry	42.9	21.5	93.7	75-125			
Lead	50.0	1.1	0.15	mg/kg dry	42.9	11.3	90.1	75-125			
Selenium	37.6	1.1	0.10	mg/kg dry	42.9	<1.1	87.7	75-125			
Silver	3.85	0.27	0.017	mg/kg dry	4.29	<0.27	89.6	75-125			

Matrix Spike Dup (B1J2003-MSD1)

Source: 1105067-01

Prepared & Analyzed: 10/20/11

Arsenic	47.8	0.53	0.059	mg/kg dry	42.5	10.0	89.1	75-125	0.986	20	
Barium	156	1.1	0.064	mg/kg dry	42.5	116	94.5	75-125	0.585	20	
Cadmium	39.4	0.27	0.035	mg/kg dry	42.5	<0.27	92.2	75-125	0.752	20	
Chromium	61.7	0.53	0.013	mg/kg dry	42.5	21.5	94.8	75-125	0.0185	20	
Lead	49.5	1.1	0.15	mg/kg dry	42.5	11.3	90.1	75-125	0.881	20	
Selenium	37.3	1.1	0.10	mg/kg dry	42.5	<1.1	87.8	75-125	0.941	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105071 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2003 - EPA 3050B											
Matrix Spike Dup (B1J2003-MSD1)			Source: 1105067-01			Prepared & Analyzed: 10/20/11					
Silver	3.82	0.27	0.017	mg/kg dry	4.25	<0.27	90.0	75-125	0.748	20	
Batch B1J2108 - EPA 7471A											
Blank (B1J2108-BLK1)						Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J2108-BS1)						Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	0.196	0.10	0.019	mg/kg wet	0.200		98.0	80-120			
LCS Dup (B1J2108-BSD1)						Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	0.190	0.10	0.019	mg/kg wet	0.200		95.0	80-120	3.11	20	
Matrix Spike (B1J2108-MS1)			Source: 1105067-01			Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	0.269	0.11	0.022	mg/kg dry	0.223	<0.11	101	75-125			
Matrix Spike Dup (B1J2108-MSD1)			Source: 1105067-01			Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	0.269	0.11	0.022	mg/kg dry	0.221	<0.11	102	75-125	0.112	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105071 Date Reported: 10/28/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J2705 - General Preparation												
Duplicate (B1J2705-DUP1)							Source: 1105068-03					Prepared & Analyzed: 10/27/11
% Solids	88.0			%		88.0			0.00	20		
Duplicate (B1J2705-DUP2)							Source: 1105071-09					Prepared & Analyzed: 10/27/11
% Solids	99.0			%		99.0			0.00	20		
Duplicate (B1J2705-DUP3)							Source: 1105078-12					Prepared & Analyzed: 10/27/11
% Solids	98.0			%		98.0			0.00	20		
Duplicate (B1J2705-DUP4)							Source: 1105164-03					Prepared & Analyzed: 10/27/11
% Solids	95.0			%		95.0			0.00	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105071 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Blank (B1J2502-BLK1)

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Blank (B1J2502-BLK1)

Prepared & Analyzed: 10/25/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.71			mg/kg wet	6.67		70.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.09			mg/kg wet	6.67		61.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.61			mg/kg wet	6.67		54.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.54			mg/kg wet	6.67		53.1	48.9-100			
Surrogate: Phenol-d6	4.11			mg/kg wet	6.67		61.6	50.4-99.6			
Surrogate: Terphenyl-d14	3.83			mg/kg wet	6.67		57.5	51-99.6			

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

LCS (B1J2502-BS1)

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.39	0.33	0.031	mg/kg wet	6.67		65.8	59.1-87.7			
1,4-Dichlorobenzene	4.25	0.33	0.029	mg/kg wet	6.67		63.8	50.3-72.9			
2,4-Dinitrotoluene	4.71	0.33	0.035	mg/kg wet	6.67		70.6	59.8-82.2			
2-Chlorophenol	4.53	0.67	0.060	mg/kg wet	6.67		67.9	59.7-77.3			
4-Chloro-3-methylphenol	4.77	0.67	0.066	mg/kg wet	6.67		71.5	63.6-80.4			
4-Nitrophenol	4.91	0.67	0.093	mg/kg wet	6.67		73.7	57.3-84.9			
Anthracene	5.41	0.33	0.036	mg/kg wet	6.67		81.2	67.3-88			
Benzo(a)anthracene	5.25	0.33	0.041	mg/kg wet	6.67		78.7	66.5-90.5			
Benzo(a)pyrene	5.18	0.33	0.042	mg/kg wet	6.67		77.8	66.1-89.7			
Chrysene	5.20	0.33	0.044	mg/kg wet	6.67		78.0	65.5-90.5			
Fluoranthene	5.36	0.33	0.039	mg/kg wet	6.67		80.3	66.7-89.9			
Fluorene	4.95	0.33	0.035	mg/kg wet	6.67		74.2	66.2-85.6			
N-Nitrosodi-n-propylamine	4.52	0.33	0.033	mg/kg wet	6.67		67.9	59.4-78			
Pentachlorophenol	4.21	0.67	0.078	mg/kg wet	6.67		63.2	46.7-83.2			
Phenanthrene	5.38	0.33	0.036	mg/kg wet	6.67		80.7	67.5-87.9			
Phenol	4.34	0.67	0.069	mg/kg wet	6.67		65.2	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.05			mg/kg wet	6.67		75.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.78			mg/kg wet	6.67		71.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.70			mg/kg wet	6.67		70.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.25			mg/kg wet	6.67		63.7	48.9-100			
Surrogate: Phenol-d6	4.89			mg/kg wet	6.67		73.4	50.4-99.6			
Surrogate: Terphenyl-d14	4.43			mg/kg wet	6.67		66.5	51-99.6			

Matrix Spike (B1J2502-MS1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.34	0.34	0.032	mg/kg dry	6.88	<0.34	63.1	44.8-97.9			
1,4-Dichlorobenzene	4.21	0.34	0.030	mg/kg dry	6.88	<0.34	61.3	42.3-77.9			
2,4-Dinitrotoluene	4.73	0.34	0.036	mg/kg dry	6.88	<0.34	68.9	57.3-86.6			
2-Chlorophenol	4.50	0.68	0.061	mg/kg dry	6.88	<0.68	65.5	43.3-93.2			
4-Chloro-3-methylphenol	4.85	0.68	0.067	mg/kg dry	6.88	<0.68	70.5	47.1-97.6			
4-Nitrophenol	4.95	0.68	0.095	mg/kg dry	6.88	<0.68	72.0	49.3-96.2			
Anthracene	5.58	0.34	0.037	mg/kg dry	6.88	<0.34	81.1	67.5-93.1			
Benzo(a)anthracene	5.35	0.34	0.042	mg/kg dry	6.88	<0.34	77.9	59.8-95.7			
Benzo(a)pyrene	5.41	0.34	0.043	mg/kg dry	6.88	<0.34	78.7	59.8-92.7			
Chrysene	5.35	0.34	0.045	mg/kg dry	6.88	<0.34	77.8	62.5-94.6			
Fluoranthene	5.44	0.34	0.040	mg/kg dry	6.88	<0.34	79.1	61.3-92.8			
Fluorene	4.93	0.34	0.036	mg/kg dry	6.88	<0.34	71.7	62.8-92.6			
N-Nitrosodi-n-propylamine	4.41	0.34	0.034	mg/kg dry	6.88	<0.34	64.1	46.9-89.9			
Pentachlorophenol	4.72	0.68	0.080	mg/kg dry	6.88	<0.68	68.6	40.1-95.1			
Phenanthrene	5.51	0.34	0.037	mg/kg dry	6.88	<0.34	80.1	65.2-92.2			
Phenol	4.26	0.68	0.070	mg/kg dry	6.88	<0.68	62.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105071 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Matrix Spike (B1J2502-MS1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

Surrogate: 2,4,6-Tribromophenol	5.33			mg/kg dry	6.88		77.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.87			mg/kg dry	6.88		70.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.42			mg/kg dry	6.88		64.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.32			mg/kg dry	6.88		62.9	48.9-100			
Surrogate: Phenol-d6	4.65			mg/kg dry	6.88		67.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.63			mg/kg dry	6.88		67.4	51-99.6			

Matrix Spike Dup (B1J2502-MSD1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.27	0.34	0.032	mg/kg dry	6.85	<0.34	62.3	44.8-97.9	1.58	19.6	
1,4-Dichlorobenzene	4.06	0.34	0.030	mg/kg dry	6.85	<0.34	59.2	42.3-77.9	3.77	22.4	
2,4-Dinitrotoluene	4.70	0.34	0.036	mg/kg dry	6.85	<0.34	68.6	57.3-86.6	0.652	19.5	
2-Chlorophenol	4.35	0.68	0.061	mg/kg dry	6.85	<0.68	63.5	43.3-93.2	3.34	23.7	
4-Chloro-3-methylphenol	4.65	0.68	0.067	mg/kg dry	6.85	<0.68	67.9	47.1-97.6	4.06	18.3	
4-Nitrophenol	4.95	0.68	0.095	mg/kg dry	6.85	<0.68	72.3	49.3-96.2	0.0213	20.4	
Anthracene	5.50	0.34	0.037	mg/kg dry	6.85	<0.34	80.2	67.5-93.1	1.48	19.9	
Benzo(a)anthracene	5.31	0.34	0.042	mg/kg dry	6.85	<0.34	77.5	59.8-95.7	0.830	23.4	
Benzo(a)pyrene	5.43	0.34	0.043	mg/kg dry	6.85	<0.34	79.3	59.8-92.7	0.417	21.1	
Chrysene	5.43	0.34	0.045	mg/kg dry	6.85	<0.34	79.2	62.5-94.6	1.48	24.8	
Fluoranthene	5.40	0.34	0.040	mg/kg dry	6.85	<0.34	78.8	61.3-92.8	0.721	21.8	
Fluorene	4.80	0.34	0.036	mg/kg dry	6.85	<0.34	70.0	62.8-92.6	2.63	17.6	
N-Nitrosodi-n-propylamine	4.31	0.34	0.034	mg/kg dry	6.85	<0.34	62.9	46.9-89.9	2.12	18.9	
Pentachlorophenol	4.45	0.68	0.080	mg/kg dry	6.85	<0.68	64.9	40.1-95.1	5.93	19.7	
Phenanthrene	5.37	0.34	0.037	mg/kg dry	6.85	<0.34	78.3	65.2-92.2	2.53	20.5	
Phenol	4.17	0.68	0.070	mg/kg dry	6.85	<0.68	60.8	44.7-91	2.22	17.9	
Surrogate: 2,4,6-Tribromophenol	5.35			mg/kg dry	6.85		78.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.82			mg/kg dry	6.85		70.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.51			mg/kg dry	6.85		65.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.38			mg/kg dry	6.85		63.9	48.9-100			
Surrogate: Phenol-d6	4.63			mg/kg dry	6.85		67.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.75			mg/kg dry	6.85		69.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105071 Date Reported: 10/28/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
J	Parameter was present between the MDL and RL and should be considered an estimated value
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

BARR

1105071

Project Number: 23/19-1092.00 4821 820
 Project Name: UMore 21 - 60W East
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: NO 3714

Location	Start Depth	Stop Depth	Depth Unit (m, ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	Number of Containers/Preservative		Date	Time
						Water	Soil		Water	Soil		
01 617A-TT22	0.5	0.5	ft	10/19/2011	0800		X	X				
02 617A-TT21	0.5	0.5			0830		X	X				
03 617A-TT20	0.5	0.5			0900		X	X				
04 617A-TT23	2	2			0915		X	X				
05 617A-TT24	2	2			0930		X	X				
06 617A-TT10	0.5	0.5			1005		X	X				
07 617A-TT10	4	4			1030		X	X				
08 617A-TT11	0.5	0.5			1106		X	X				
09 617A-TT11	4	4			1115		X	X				
10 CAP-TT11A	2.5	2.5			1230		X	X				

Matrix: Water, Soil, Grab, Other

Number of Containers/Preservative:

Water	SOCS (unpreserved) #1	General Range Organics (HCl)	Nutrients (H2SO4) #4
Soil	VOCs (lared MeOH) #1	GR0, BTEX (lared MeOH) #1	DR0 (lared unpreserved)
	Metals (unpreserved)	SVOCs (unpreserved) #1	% Solids (plastic vial, unpres.)

Received by: [Signature]
 Date: 10/19/11
 Time: 12:00

Relinquished by: [Signature]
 Date: 10/19/11
 Time: 12:00

Relinquished by: [Signature]
 Date: 12/19/11
 Time: 10:45

Samples Shipped VIA: Air Freight Federal Express Other: [Signature]

COC 1 of 1

Project Manager: MBE
 Project QC Contact: ANN
 Sampled by: KUB
 Laboratory: Legend

RECEIVED FOR ANALYSIS OF CHAIN OF CUSTODY FORM 2008 RL G REV. 09/01/08



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 28, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105073
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/19/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

Handwritten signature of Bach Pham in black ink.

Bach Pham
Client Manager I
bpham@legend-group.com

Handwritten signature of Triet Le in black ink.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
227A-SB1_14-14	1105073-01	Soil	10/19/11 08:45	10/19/11 12:40
Trip Blank	1105073-02	Soil	10/19/11 00:00	10/19/11 12:40

Shipping Container Information

Default Cooler Temperature (°C): 13.4

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Recoveries of the 8082 surrogate decachlorobiphenyl, surrogate tetrachloro-meta-xylene, and Aroclor 1260 in the batch B1J2406 MSD and the corresponding %RPD were outside laboratory acceptance limits. Recoveries of the surrogates and spike were within limits in the LCS/MS. The source sample was not associated with this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
227A-SB1_14-14 (1105073-01) Soil Sampled: 10/19/11 08:45 Received: 10/19/11 12:40										
Arsenic	1.9	0.52	0.057	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	22	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.9	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.6	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J2108	10/21/11	10/26/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
227A-SB1_14-14 (1105073-01) Soil Sampled: 10/19/11 08:45 Received: 10/19/11 12:40										
Aroclor 1016	<0.21	0.21	0.0082	mg/kg dry	1	B1J2406	10/24/11	10/26/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	88.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	91.5			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
227A-SB1_14-14 (1105073-01) Soil Sampled: 10/19/11 08:45 Received: 10/19/11 12:40										
% Solids	96			%	1	B1J2705	10/27/11	10/27/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
227A-SB1_14-14 (1105073-01) Soil Sampled: 10/19/11 08:45 Received: 10/19/11 12:40										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
227A-SB1_14-14 (1105073-01) Soil Sampled: 10/19/11 08:45 Received: 10/19/11 12:40										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	55.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	57.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
227A-SB1_14-14 (1105073-01) Soil Sampled: 10/19/11 08:45 Received: 10/19/11 12:40										
1,1,1,2-Tetrachloroethane	<0.058	0.24	0.058	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
1,1,1-Trichloroethane	<0.031	0.24	0.031	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.025	0.24	0.025	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.033	0.24	0.033	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.066	0.24	0.066	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.022	0.24	0.022	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.024	0.24	0.024	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.24	0.021	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.060	0.49	0.060	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.023	0.24	0.023	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.026	0.49	0.026	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.24	0.018	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.067	0.49	0.067	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.021	0.24	0.021	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.24	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.026	0.24	0.026	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.030	0.24	0.030	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.24	0.020	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.025	0.24	0.025	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.021	0.24	0.021	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.24	0.017	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.059	0.49	0.059	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.086	2.0	0.086	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.24	0.014	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.24	0.021	mg/kg dry	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.057	0.49	0.057	mg/kg dry	1	"	"	"	"	
Benzene	<0.015	0.24	0.015	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.026	0.24	0.026	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.036	0.24	0.036	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.026	0.24	0.026	mg/kg dry	1	"	"	"	"	
Bromoform	<0.026	0.49	0.026	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.11	0.49	0.11	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.033	0.24	0.033	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.019	0.24	0.019	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.036	0.24	0.036	mg/kg dry	1	"	"	"	"	
Chloroform	<0.021	0.24	0.021	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.060	0.24	0.060	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.025	0.24	0.025	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
227A-SB1_14-14 (1105073-01) Soil Sampled: 10/19/11 08:45 Received: 10/19/11 12:40										
cis-1,3-Dichloropropene	<0.021	0.24	0.021	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
Dibromochloromethane	<0.033	0.24	0.033	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.028	0.24	0.028	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.097	0.49	0.097	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.037	0.24	0.037	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.037	0.49	0.037	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.011	0.24	0.011	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.067	0.98	0.067	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.019	0.24	0.019	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.046	0.49	0.046	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.080	0.49	0.080	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.24	0.016	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.057	0.98	0.057	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.054	0.49	0.054	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.026	0.24	0.026	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.021	0.24	0.021	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.024	0.24	0.024	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.24	0.014	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.24	0.017	mg/kg dry	1	"	"	"	"	
Styrene	<0.020	0.24	0.020	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.24	0.018	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.027	0.24	0.027	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.016	0.24	0.016	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.029	0.24	0.029	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.022	0.24	0.022	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.040	0.24	0.040	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.034	0.24	0.034	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.064	0.24	0.064	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.8			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	95.3			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	93.8			78.1-125 %		"	"	"	"	

Trip Blank (1105073-02) Soil Sampled: 10/19/11 00:00 Received: 10/19/11 12:40										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105073-02) Soil Sampled: 10/19/11 00:00 Received: 10/19/11 12:40										
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105073-02) Soil Sampled: 10/19/11 00:00 Received: 10/19/11 12:40										
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	<0.058	1.0	0.058	mg/kg wet	1	"	"	"	"	
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	T-1
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.5			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	96.9			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2003 - EPA 3050B

Blank (B1J2003-BLK1)

Prepared & Analyzed: 10/20/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J2003-BS1)

Prepared & Analyzed: 10/20/11

Arsenic	40.9	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.6	1.0	0.060	mg/kg wet	39.9		107	80-120			
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	42.1	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	41.1	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.10	0.25	0.016	mg/kg wet	3.99		103	80-120			

LCS Dup (B1J2003-BSD1)

Prepared & Analyzed: 10/20/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120	0.918	20	
Barium	42.4	1.0	0.060	mg/kg wet	39.9		106	80-120	0.395	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	0.653	20	
Chromium	41.4	0.50	0.012	mg/kg wet	39.9		104	80-120	0.578	20	
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120	0.342	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	0.476	20	
Silver	4.09	0.25	0.016	mg/kg wet	3.99		103	80-120	0.148	20	

Matrix Spike (B1J2003-MS1)

Source: 1105067-01

Prepared & Analyzed: 10/20/11

Arsenic	48.3	0.54	0.059	mg/kg dry	42.9	10.0	89.2	75-125			
Barium	157	1.1	0.065	mg/kg dry	42.9	116	95.5	75-125			
Cadmium	39.7	0.27	0.036	mg/kg dry	42.9	<0.27	91.9	75-125			
Chromium	61.7	0.54	0.013	mg/kg dry	42.9	21.5	93.7	75-125			
Lead	50.0	1.1	0.15	mg/kg dry	42.9	11.3	90.1	75-125			
Selenium	37.6	1.1	0.10	mg/kg dry	42.9	<1.1	87.7	75-125			
Silver	3.85	0.27	0.017	mg/kg dry	4.29	<0.27	89.6	75-125			

Matrix Spike Dup (B1J2003-MSD1)

Source: 1105067-01

Prepared & Analyzed: 10/20/11

Arsenic	47.8	0.53	0.059	mg/kg dry	42.5	10.0	89.1	75-125	0.986	20	
Barium	156	1.1	0.064	mg/kg dry	42.5	116	94.5	75-125	0.585	20	
Cadmium	39.4	0.27	0.035	mg/kg dry	42.5	<0.27	92.2	75-125	0.752	20	
Chromium	61.7	0.53	0.013	mg/kg dry	42.5	21.5	94.8	75-125	0.0185	20	
Lead	49.5	1.1	0.15	mg/kg dry	42.5	11.3	90.1	75-125	0.881	20	
Selenium	37.3	1.1	0.10	mg/kg dry	42.5	<1.1	87.8	75-125	0.941	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2003 - EPA 3050B											
Matrix Spike Dup (B1J2003-MSD1)			Source: 1105067-01			Prepared & Analyzed: 10/20/11					
Silver	3.82	0.27	0.017	mg/kg dry	4.25	<0.27	90.0	75-125	0.748	20	
Batch B1J2108 - EPA 7471A											
Blank (B1J2108-BLK1)						Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J2108-BS1)						Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	0.196	0.10	0.019	mg/kg wet	0.200		98.0	80-120			
LCS Dup (B1J2108-BSD1)						Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	0.190	0.10	0.019	mg/kg wet	0.200		95.0	80-120	3.11	20	
Matrix Spike (B1J2108-MS1)			Source: 1105067-01			Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	0.269	0.11	0.022	mg/kg dry	0.223	<0.11	101	75-125			
Matrix Spike Dup (B1J2108-MSD1)			Source: 1105067-01			Prepared: 10/21/11 Analyzed: 10/25/11					
Mercury	0.269	0.11	0.022	mg/kg dry	0.221	<0.11	102	75-125	0.112	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2406 - EPA 3545 ASE Extraction

Blank (B1J2406-BLK1)

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0553			mg/kg wet	0.0667		83.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0560			mg/kg wet	0.0667		84.0	60.9-138			

LCS (B1J2406-BS1)

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.318	0.20	0.0059	mg/kg wet	0.333		95.3	70-130			
Surrogate: Decachlorobiphenyl	0.0577			mg/kg wet	0.0667		86.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0570			mg/kg wet	0.0667		85.5	60.9-138			

Matrix Spike (B1J2406-MS1)

Source: 1105003-02

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.672	0.21	0.0062	mg/kg dry	0.358	0.324	97.2	70-130			
Surrogate: Decachlorobiphenyl	0.0655			mg/kg dry	0.0716		91.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0687			mg/kg dry	0.0716		96.0	60.9-138			

Matrix Spike Dup (B1J2406-MSD1)

Source: 1105003-02

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.397	0.21	0.0062	mg/kg dry	0.351	0.324	20.9	70-130	51.3	17.2	M2, QR-04
Surrogate: Decachlorobiphenyl	0.0386			mg/kg dry	0.0703		55.0	65.3-143			S-02
Surrogate: Tetrachloro-meta-xylene	0.0379			mg/kg dry	0.0703		54.0	60.9-138			S-02

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2705 - General Preparation											
Duplicate (B1J2705-DUP1)						Source: 1105068-03			Prepared & Analyzed: 10/27/11		
% Solids	88.0			%		88.0			0.00	20	
Duplicate (B1J2705-DUP2)						Source: 1105071-09			Prepared & Analyzed: 10/27/11		
% Solids	99.0			%		99.0			0.00	20	
Duplicate (B1J2705-DUP3)						Source: 1105078-12			Prepared & Analyzed: 10/27/11		
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1J2705-DUP4)						Source: 1105164-03			Prepared & Analyzed: 10/27/11		
% Solids	95.0			%		95.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Blank (B1J2502-BLK1)

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Blank (B1J2502-BLK1)

Prepared & Analyzed: 10/25/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.71			mg/kg wet	6.67		70.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.09			mg/kg wet	6.67		61.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.61			mg/kg wet	6.67		54.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.54			mg/kg wet	6.67		53.1	48.9-100			
Surrogate: Phenol-d6	4.11			mg/kg wet	6.67		61.6	50.4-99.6			
Surrogate: Terphenyl-d14	3.83			mg/kg wet	6.67		57.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

LCS (B1J2502-BS1)

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.39	0.33	0.031	mg/kg wet	6.67		65.8	59.1-87.7			
1,4-Dichlorobenzene	4.25	0.33	0.029	mg/kg wet	6.67		63.8	50.3-72.9			
2,4-Dinitrotoluene	4.71	0.33	0.035	mg/kg wet	6.67		70.6	59.8-82.2			
2-Chlorophenol	4.53	0.67	0.060	mg/kg wet	6.67		67.9	59.7-77.3			
4-Chloro-3-methylphenol	4.77	0.67	0.066	mg/kg wet	6.67		71.5	63.6-80.4			
4-Nitrophenol	4.91	0.67	0.093	mg/kg wet	6.67		73.7	57.3-84.9			
Anthracene	5.41	0.33	0.036	mg/kg wet	6.67		81.2	67.3-88			
Benzo(a)anthracene	5.25	0.33	0.041	mg/kg wet	6.67		78.7	66.5-90.5			
Benzo(a)pyrene	5.18	0.33	0.042	mg/kg wet	6.67		77.8	66.1-89.7			
Chrysene	5.20	0.33	0.044	mg/kg wet	6.67		78.0	65.5-90.5			
Fluoranthene	5.36	0.33	0.039	mg/kg wet	6.67		80.3	66.7-89.9			
Fluorene	4.95	0.33	0.035	mg/kg wet	6.67		74.2	66.2-85.6			
N-Nitrosodi-n-propylamine	4.52	0.33	0.033	mg/kg wet	6.67		67.9	59.4-78			
Pentachlorophenol	4.21	0.67	0.078	mg/kg wet	6.67		63.2	46.7-83.2			
Phenanthrene	5.38	0.33	0.036	mg/kg wet	6.67		80.7	67.5-87.9			
Phenol	4.34	0.67	0.069	mg/kg wet	6.67		65.2	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.05			mg/kg wet	6.67		75.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.78			mg/kg wet	6.67		71.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.70			mg/kg wet	6.67		70.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.25			mg/kg wet	6.67		63.7	48.9-100			
Surrogate: Phenol-d6	4.89			mg/kg wet	6.67		73.4	50.4-99.6			
Surrogate: Terphenyl-d14	4.43			mg/kg wet	6.67		66.5	51-99.6			

Matrix Spike (B1J2502-MS1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.34	0.34	0.032	mg/kg dry	6.88	<0.34	63.1	44.8-97.9			
1,4-Dichlorobenzene	4.21	0.34	0.030	mg/kg dry	6.88	<0.34	61.3	42.3-77.9			
2,4-Dinitrotoluene	4.73	0.34	0.036	mg/kg dry	6.88	<0.34	68.9	57.3-86.6			
2-Chlorophenol	4.50	0.68	0.061	mg/kg dry	6.88	<0.68	65.5	43.3-93.2			
4-Chloro-3-methylphenol	4.85	0.68	0.067	mg/kg dry	6.88	<0.68	70.5	47.1-97.6			
4-Nitrophenol	4.95	0.68	0.095	mg/kg dry	6.88	<0.68	72.0	49.3-96.2			
Anthracene	5.58	0.34	0.037	mg/kg dry	6.88	<0.34	81.1	67.5-93.1			
Benzo(a)anthracene	5.35	0.34	0.042	mg/kg dry	6.88	<0.34	77.9	59.8-95.7			
Benzo(a)pyrene	5.41	0.34	0.043	mg/kg dry	6.88	<0.34	78.7	59.8-92.7			
Chrysene	5.35	0.34	0.045	mg/kg dry	6.88	<0.34	77.8	62.5-94.6			
Fluoranthene	5.44	0.34	0.040	mg/kg dry	6.88	<0.34	79.1	61.3-92.8			
Fluorene	4.93	0.34	0.036	mg/kg dry	6.88	<0.34	71.7	62.8-92.6			
N-Nitrosodi-n-propylamine	4.41	0.34	0.034	mg/kg dry	6.88	<0.34	64.1	46.9-89.9			
Pentachlorophenol	4.72	0.68	0.080	mg/kg dry	6.88	<0.68	68.6	40.1-95.1			
Phenanthrene	5.51	0.34	0.037	mg/kg dry	6.88	<0.34	80.1	65.2-92.2			
Phenol	4.26	0.68	0.070	mg/kg dry	6.88	<0.68	62.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Matrix Spike (B1J2502-MS1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

Surrogate: 2,4,6-Tribromophenol	5.33			mg/kg dry	6.88		77.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.87			mg/kg dry	6.88		70.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.42			mg/kg dry	6.88		64.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.32			mg/kg dry	6.88		62.9	48.9-100			
Surrogate: Phenol-d6	4.65			mg/kg dry	6.88		67.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.63			mg/kg dry	6.88		67.4	51-99.6			

Matrix Spike Dup (B1J2502-MSD1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.27	0.34	0.032	mg/kg dry	6.85	<0.34	62.3	44.8-97.9	1.58	19.6	
1,4-Dichlorobenzene	4.06	0.34	0.030	mg/kg dry	6.85	<0.34	59.2	42.3-77.9	3.77	22.4	
2,4-Dinitrotoluene	4.70	0.34	0.036	mg/kg dry	6.85	<0.34	68.6	57.3-86.6	0.652	19.5	
2-Chlorophenol	4.35	0.68	0.061	mg/kg dry	6.85	<0.68	63.5	43.3-93.2	3.34	23.7	
4-Chloro-3-methylphenol	4.65	0.68	0.067	mg/kg dry	6.85	<0.68	67.9	47.1-97.6	4.06	18.3	
4-Nitrophenol	4.95	0.68	0.095	mg/kg dry	6.85	<0.68	72.3	49.3-96.2	0.0213	20.4	
Anthracene	5.50	0.34	0.037	mg/kg dry	6.85	<0.34	80.2	67.5-93.1	1.48	19.9	
Benzo(a)anthracene	5.31	0.34	0.042	mg/kg dry	6.85	<0.34	77.5	59.8-95.7	0.830	23.4	
Benzo(a)pyrene	5.43	0.34	0.043	mg/kg dry	6.85	<0.34	79.3	59.8-92.7	0.417	21.1	
Chrysene	5.43	0.34	0.045	mg/kg dry	6.85	<0.34	79.2	62.5-94.6	1.48	24.8	
Fluoranthene	5.40	0.34	0.040	mg/kg dry	6.85	<0.34	78.8	61.3-92.8	0.721	21.8	
Fluorene	4.80	0.34	0.036	mg/kg dry	6.85	<0.34	70.0	62.8-92.6	2.63	17.6	
N-Nitrosodi-n-propylamine	4.31	0.34	0.034	mg/kg dry	6.85	<0.34	62.9	46.9-89.9	2.12	18.9	
Pentachlorophenol	4.45	0.68	0.080	mg/kg dry	6.85	<0.68	64.9	40.1-95.1	5.93	19.7	
Phenanthrene	5.37	0.34	0.037	mg/kg dry	6.85	<0.34	78.3	65.2-92.2	2.53	20.5	
Phenol	4.17	0.68	0.070	mg/kg dry	6.85	<0.68	60.8	44.7-91	2.22	17.9	
Surrogate: 2,4,6-Tribromophenol	5.35			mg/kg dry	6.85		78.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.82			mg/kg dry	6.85		70.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.51			mg/kg dry	6.85		65.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.38			mg/kg dry	6.85		63.9	48.9-100			
Surrogate: Phenol-d6	4.63			mg/kg dry	6.85		67.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.75			mg/kg dry	6.85		69.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2011 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2011-BLK1)

Prepared & Analyzed: 10/20/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2011 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2011-BLK1)

Prepared & Analyzed: 10/20/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	50.2			ug/L	50.0		100	80-124			
Surrogate: Dibromofluoromethane	48.2			ug/L	50.0		96.3	77.1-123			
Surrogate: Toluene-d8	48.3			ug/L	50.0		96.6	78.1-125			

LCS (B1J2011-BS1)

Prepared & Analyzed: 10/20/11

1,1,2,2-Tetrachloroethane	43.8			ug/L	50.0		87.5	75-120			
1,1-Dichloroethane	44.5			ug/L	50.0		88.9	79.6-120			
1,1-Dichloroethene	44.6			ug/L	50.0		89.3	78.3-120			
1,3,5-Trimethylbenzene	43.7			ug/L	50.0		87.5	77-120			
1,4-Dichlorobenzene	46.1			ug/L	50.0		92.1	75-125			
2-Chlorotoluene	47.4			ug/L	50.0		94.8	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2011 - EPA 5035 Soil (Purge and Trap)

LCS (B1J2011-BS1)

Prepared & Analyzed: 10/20/11

Benzene	41.2			ug/L	50.0		82.4	80-120			
Bromoform	53.2			ug/L	50.0		106	80-120			
Chlorobenzene	50.6			ug/L	50.0		101	80-120			
Chloroform	44.1			ug/L	50.0		88.3	80-120			
Ethylbenzene	54.8			ug/L	50.0		110	80-120			
n-Butylbenzene	47.1			ug/L	50.0		94.3	75-125			
n-Propylbenzene	48.5			ug/L	50.0		97.1	75-120			
Toluene	49.3			ug/L	50.0		98.7	80-120			
Trichloroethene	48.2			ug/L	50.0		96.5	80-120			
Vinyl chloride	47.1			ug/L	50.0		94.1	75-130			
Surrogate: 4-Bromofluorobenzene	49.4			ug/L	50.0		98.9	80-124			
Surrogate: Dibromofluoromethane	47.7			ug/L	50.0		95.5	77.1-123			
Surrogate: Toluene-d8	48.3			ug/L	50.0		96.6	78.1-125			

Matrix Spike (B1J2011-MS1)

Source: 1105073-01

Prepared & Analyzed: 10/20/11

1,1,2,2-Tetrachloroethane	42.6			ug/L	50.0	<	85.1	75-125			
1,1-Dichloroethane	44.6			ug/L	50.0	<	89.3	78.7-123			
1,1-Dichloroethene	42.9			ug/L	50.0	<	85.8	75.8-121			
1,3,5-Trimethylbenzene	44.2			ug/L	50.0	<	88.4	75-120			
1,4-Dichlorobenzene	45.0			ug/L	50.0	<	89.9	75-125			
2-Chlorotoluene	46.6			ug/L	50.0	<	93.1	75-120			
Benzene	41.1			ug/L	50.0	<	82.1	80-120			
Bromoform	51.0			ug/L	50.0	<	102	80-120			
Chlorobenzene	49.2			ug/L	50.0	<	98.3	80-120			
Chloroform	44.0			ug/L	50.0	<	87.9	80-120			
Ethylbenzene	53.5			ug/L	50.0	<	107	80-120			
n-Butylbenzene	46.2			ug/L	50.0	<	92.5	73.8-125			
n-Propylbenzene	47.9			ug/L	50.0	<	95.7	75-120			
Toluene	48.7			ug/L	50.0	<	97.3	80-120			
Trichloroethene	47.4			ug/L	50.0	<	94.8	80-120			
Vinyl chloride	46.4			ug/L	50.0	<	92.8	74.8-130			
Surrogate: 4-Bromofluorobenzene	49.4			ug/L	50.0		98.9	80-124			
Surrogate: Dibromofluoromethane	47.3			ug/L	50.0		94.6	77.1-123			
Surrogate: Toluene-d8	48.0			ug/L	50.0		96.0	78.1-125			

Matrix Spike Dup (B1J2011-MSD1)

Source: 1105073-01

Prepared & Analyzed: 10/20/11

1,1,2,2-Tetrachloroethane	41.3			ug/L	50.0	<	82.6	75-125	2.93	20	
1,1-Dichloroethane	42.8			ug/L	50.0	<	85.7	78.7-123	4.08	20	
1,1-Dichloroethene	42.1			ug/L	50.0	<	84.3	75.8-121	1.78	20	
1,3,5-Trimethylbenzene	42.9			ug/L	50.0	<	85.7	75-120	3.09	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2011 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1J2011-MSD1)	Source: 1105073-01				Prepared & Analyzed: 10/20/11						
1,4-Dichlorobenzene	43.3			ug/L	50.0	<	86.5	75-125	3.86	20	
2-Chlorotoluene	44.7			ug/L	50.0	<	89.4	75-120	4.03	20	
Benzene	40.1			ug/L	50.0	<	80.2	80-120	2.43	20	
Bromoform	50.4			ug/L	50.0	<	101	80-120	1.26	20	
Chlorobenzene	48.0			ug/L	50.0	<	96.0	80-120	2.41	20	
Chloroform	42.7			ug/L	50.0	<	85.5	80-120	2.79	20	
Ethylbenzene	51.6			ug/L	50.0	<	103	80-120	3.70	20	
n-Butylbenzene	44.1			ug/L	50.0	<	88.1	73.8-125	4.81	20	
n-Propylbenzene	45.4			ug/L	50.0	<	90.9	75-120	5.22	20	
Toluene	47.5			ug/L	50.0	<	95.0	80-120	2.36	20	
Trichloroethene	46.1			ug/L	50.0	<	92.2	80-120	2.78	20	
Vinyl chloride	43.9			ug/L	50.0	<	87.7	74.8-130	5.62	20	
Surrogate: 4-Bromofluorobenzene	50.2			ug/L	50.0		100	80-124			
Surrogate: Dibromofluoromethane	47.2			ug/L	50.0		94.4	77.1-123			
Surrogate: Toluene-d8	47.4			ug/L	50.0		94.7	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105073 Date Reported: 10/28/11
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Notes and Definitions

- T-1 MDH does not offer certification for this parameter.
- S-02 Surrogate recovery outside of laboratory acceptance limits.
- QR-04 The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
- M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-6803
(952) 852-2600

BARR 1105073

Project Number: 23/19-1092 48RI 820
Project Name: Urme East RW - ABC Line
Sample Originator: State MN (use two letter postal state abbreviation)
COC Number: NO 37142

COC 1 of 1

Project Manager: JME
Project QC Contact: AAN
Sampled by: ADN
Laboratory: Legend

Analyte Parameters:
SVOCs, PCBs, VOCs
Analyte Vials: Top Block

Location	Start Depth	Stop Depth	Depth Unit	Collection Date	Collection Time	Matrix			On Ice?	Date	Received by:	Date	Time
						Water	Soil	Grab					
1. 227A-SB1	14	14	FT	10/19/11	9:45	X	X	X	N	10/19/11	Received by: [Signature]	10/19/11	12:40
2. TB-1	-	-	-	-	-	X	X	X	Y	-	Received by: [Signature]	-	-
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRG, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB Dioxins, 8270 Full List, Herbicide/Pesticide/PCB
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phosphorus, Ammonium Nitrogen, TKN

OD/cust

Relinquished By: [Signature] Date: 10/19/11

Relinquished By: [Signature] Date: 10/19/11

Samples Shipped Via: Air Freight Federal Express Sampler Other: [Signature]

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 28, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105075
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/19/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink that reads "T-L".

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
U-LWBC6-SB1_17-17	1105075-01	Soil	10/19/11 09:30	10/19/11 12:40
U-LWBC7-SB1_18-18	1105075-02	Soil	10/19/11 10:00	10/19/11 12:40
U-LWBB7-SB1_17-17	1105075-04	Soil	10/19/11 10:45	10/19/11 12:40
M-1	1105075-05	Soil	10/19/11 00:00	10/19/11 12:40
FB-1	1105075-06	Water	10/19/11 00:00	10/19/11 12:40
U-LWBB7-SB1_4-4	1105075-07	Soil	10/19/11 10:35	10/19/11 12:40
Trip Blank	1105075-08	Methanol	10/19/11 00:00	10/19/11 12:40

Shipping Container Information

Default Cooler Temperature (°C): 13.4

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

An LCS/LCSD/MS was prepared and analyzed for 8270 water batch B1J2409 and 8081A batch B1J2112 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

Recovery for the 8270 water compound fluorene was below laboratory limits in the batch B1J2409 LCS/LCSD. All spike compounds were within limits in the batch MS.

Recoveries of endrin aldehyde were above laboratory acceptance limits in the 8081A batch B1J2112 LCS/LCSD/MS. This target analyte was not detected in the sample. The source sample was not associated with this work order.

Recoveries of the 8082 surrogate decachlorobiphenyl, surrogate tetrachloro-meta-xylene, and Aroclor 1260 in the batch B1J2406 MSD and the corresponding %RPD were outside laboratory acceptance limits. Recoveries of the surrogates and spike were within limits in the LCS/MS. The source sample was not associated with this work order.

Methylene chloride was detected in the 8260 batch B1J2707 BLK1 between the MDL and RL.

Per the client's instructions, the 8260 result for sample M-1 was dry-weight corrected using the % solids data from sample U-LWBC6-SB1_17-17.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC6-SB1_17-17 (1105075-01) Soil Sampled: 10/19/11 09:30 Received: 10/19/11 12:40										
Arsenic	2.0	0.48	0.053	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	21	0.97	0.058	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	43	0.48	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.7	0.97	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<0.97	0.97	0.092	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
U-LWBC7-SB1_18-18 (1105075-02) Soil Sampled: 10/19/11 10:00 Received: 10/19/11 12:40										
Arsenic	1.5	0.51	0.056	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	17	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	7.6	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.8	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
U-LWBB7-SB1_17-17 (1105075-04) Soil Sampled: 10/19/11 10:45 Received: 10/19/11 12:40										
Arsenic	2.0	0.48	0.053	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Barium	21	0.96	0.058	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	7.7	0.48	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.6	0.96	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.017	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<0.96	0.96	0.091	mg/kg dry	1	B1J2003	10/20/11	10/20/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
FB-1 (1105075-06) Water Sampled: 10/19/11 00:00 Received: 10/19/11 12:40										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1J2405	10/24/11	10/26/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1J2006	10/20/11	10/21/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1J2405	10/24/11	10/26/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
U-LWBB7-SB1_4-4 (1105075-07) Soil Sampled: 10/19/11 10:35 Received: 10/19/11 12:40										
Arsenic	1.8	0.51	0.056	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBB7-SB1_4-4 (1105075-07) Soil Sampled: 10/19/11 10:35 Received: 10/19/11 12:40										
Barium	25	1.0	0.061	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	6.8	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.9	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC6-SB1_17-17 (1105075-01) Soil Sampled: 10/19/11 09:30 Received: 10/19/11 12:40										
Aroclor 1016	<0.20	0.20	0.0081	mg/kg dry	1	B1J2406	10/24/11	10/27/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	94.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	98.5			60.9-138 %		"	"	"	"	
U-LWBC7-SB1_18-18 (1105075-02) Soil Sampled: 10/19/11 10:00 Received: 10/19/11 12:40										
Aroclor 1016	<0.20	0.20	0.0081	mg/kg dry	1	B1J2406	10/24/11	10/27/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	86.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	88.5			60.9-138 %		"	"	"	"	
U-LWBB7-SB1_17-17 (1105075-04) Soil Sampled: 10/19/11 10:45 Received: 10/19/11 12:40										
Aroclor 1016	<0.20	0.20	0.0080	mg/kg dry	1	B1J2406	10/24/11	10/27/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.040	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.040	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	89.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	91.0			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC6-SB1_17-17 (1105075-01) Soil Sampled: 10/19/11 09:30 Received: 10/19/11 12:40										
% Solids	98			%	1	B1J2705	10/27/11	10/27/11	% calculation	
U-LWBC7-SB1_18-18 (1105075-02) Soil Sampled: 10/19/11 10:00 Received: 10/19/11 12:40										
% Solids	98			%	1	B1J2705	10/27/11	10/27/11	% calculation	
U-LWBB7-SB1_17-17 (1105075-04) Soil Sampled: 10/19/11 10:45 Received: 10/19/11 12:40										
% Solids	99			%	1	B1J2705	10/27/11	10/27/11	% calculation	
M-1 (1105075-05) Soil Sampled: 10/19/11 00:00 Received: 10/19/11 12:40										
% Solids	98			%	1	B1G1106	10/28/11	10/28/11	% calculation	
U-LWBB7-SB1_4-4 (1105075-07) Soil Sampled: 10/19/11 10:35 Received: 10/19/11 12:40										
% Solids	98			%	1	B1J2811	10/28/11	10/28/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC6-SB1_17-17 (1105075-01) Soil Sampled: 10/19/11 09:30 Received: 10/19/11 12:40										
4,4'-DDD	<0.041	0.041	0.0020	mg/kg dry	1	B1J2410	10/24/11	10/27/11	EPA 8081A	
4,4'-DDE	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Aldrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endrin	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.041	0.041	0.0014	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.082	0.082	0.016	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	102			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	106			65.2-135 %		"	"	"	"	

U-LWBC7-SB1_18-18 (1105075-02) Soil Sampled: 10/19/11 10:00 Received: 10/19/11 12:40										
4,4'-DDD	<0.041	0.041	0.0020	mg/kg dry	1	B1J2410	10/24/11	10/27/11	EPA 8081A	
4,4'-DDE	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Aldrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endrin	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.041	0.041	0.0014	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-SB1_18-18 (1105075-02) Soil Sampled: 10/19/11 10:00 Received: 10/19/11 12:40										
gamma-BHC (Lindane)	<0.041	0.041	0.0021	mg/kg dry	1	B1J2410	10/24/11	10/27/11	EPA 8081A	
gamma-Chlordane	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.082	0.082	0.016	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	93.5			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	95.0			65.2-135 %		"	"	"	"	
U-LWBB7-SB1_17-17 (1105075-04) Soil Sampled: 10/19/11 10:45 Received: 10/19/11 12:40										
4,4'-DDD	<0.040	0.040	0.0020	mg/kg dry	1	B1J2410	10/24/11	10/27/11	EPA 8081A	
4,4'-DDE	<0.040	0.040	0.0020	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.040	0.040	0.0020	mg/kg dry	1	"	"	"	"	
Aldrin	<0.040	0.040	0.0021	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.040	0.040	0.0020	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.040	0.040	0.0020	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.040	0.040	0.0022	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.040	0.040	0.0020	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.040	0.040	0.0020	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.040	0.040	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.040	0.040	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.040	0.040	0.0021	mg/kg dry	1	"	"	"	"	
Endrin	<0.040	0.040	0.0020	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.040	0.040	0.0014	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.040	0.040	0.0021	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.040	0.040	0.0021	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.040	0.040	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.040	0.040	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.040	0.040	0.0020	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.040	0.040	0.0021	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.081	0.081	0.016	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	96.5			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	98.0			65.2-135 %		"	"	"	"	
FB-1 (1105075-06) Water Sampled: 10/19/11 00:00 Received: 10/19/11 12:40										
4,4'-DDD	<0.029	0.38	0.029	ug/L	1	B1J2112	10/21/11	10/27/11	EPA 8081A	
4,4'-DDE	<0.029	0.38	0.029	ug/L	1	"	"	"	"	
4,4'-DDT	<0.029	0.38	0.029	ug/L	1	"	"	"	"	
Aldrin	<0.031	0.38	0.031	ug/L	1	"	"	"	"	
alpha-BHC	<0.026	0.38	0.026	ug/L	1	"	"	"	"	
alpha-Chlordane	<0.030	0.38	0.030	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1105075-06) Water Sampled: 10/19/11 00:00 Received: 10/19/11 12:40										
beta-BHC	<0.029	0.38	0.029	ug/L	1	B1J2112	10/21/11	10/27/11	EPA 8081A	
delta-BHC	<0.028	0.38	0.028	ug/L	1	"	"	"	"	
Dieldrin	<0.029	0.38	0.029	ug/L	1	"	"	"	"	
Endosulfan I	<0.030	0.38	0.030	ug/L	1	"	"	"	"	
Endosulfan II	<0.030	0.38	0.030	ug/L	1	"	"	"	"	
Endosulfan sulfate	<0.029	0.38	0.029	ug/L	1	"	"	"	"	
Endrin	<0.031	0.38	0.031	ug/L	1	"	"	"	"	
Endrin aldehyde	<0.038	0.38	0.038	ug/L	1	"	"	"	"	QM-11
Endrin ketone	<0.029	0.38	0.029	ug/L	1	"	"	"	"	
gamma-BHC (Lindane)	<0.027	0.38	0.027	ug/L	1	"	"	"	"	
gamma-Chlordane	<0.030	0.38	0.030	ug/L	1	"	"	"	"	
Heptachlor	<0.029	0.38	0.029	ug/L	1	"	"	"	"	
Heptachlor epoxide	<0.029	0.38	0.029	ug/L	1	"	"	"	"	
Methoxychlor	<0.027	0.38	0.027	ug/L	1	"	"	"	"	
Toxaphene	<0.27	0.94	0.27	ug/L	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	102				80.6-122 %	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	84.0				71.7-111 %	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC6-SB1_17-17 (1105075-01) Soil Sampled: 10/19/11 09:30 Received: 10/19/11 12:40										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC6-SB1_17-17 (1105075-01) Soil Sampled: 10/19/11 09:30 Received: 10/19/11 12:40										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	74.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-SB1_18-18 (1105075-02) Soil Sampled: 10/19/11 10:00 Received: 10/19/11 12:40										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-SB1_18-18 (1105075-02) Soil Sampled: 10/19/11 10:00 Received: 10/19/11 12:40										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	78.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	61.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	68.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBB7-SB1_17-17 (1105075-04) Soil Sampled: 10/19/11 10:45 Received: 10/19/11 12:40										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBB7-SB1_17-17 (1105075-04) Soil Sampled: 10/19/11 10:45 Received: 10/19/11 12:40										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	60.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	66.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-1 (1105075-06) Water **Sampled: 10/19/11 00:00** **Received: 10/19/11 12:40**

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1J2409	10/24/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1105075-06) Water Sampled: 10/19/11 00:00 Received: 10/19/11 12:40										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1J2409	10/24/11	10/25/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	T-1
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	L1a
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	89.1			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	82.3			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.0			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.9			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	59.8			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.4			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBB7-SB1_4-4 (1105075-07) Soil Sampled: 10/19/11 10:35 Received: 10/19/11 12:40										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.069	0.34	0.042	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.059	0.34	0.043	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.11	0.34	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBB7-SB1_4-4 (1105075-07) Soil Sampled: 10/19/11 10:35 Received: 10/19/11 12:40										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.095	0.34	0.045	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.069	0.34	0.045	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.061	0.34	0.041	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC6-SB1_17-17 (1105075-01) Soil Sampled: 10/19/11 09:30 Received: 10/19/11 12:40										
1,1,1,2-Tetrachloroethane	<0.060	0.26	0.060	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
1,1,1-Trichloroethane	<0.033	0.26	0.033	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.069	0.26	0.069	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.026	0.26	0.026	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.062	0.51	0.062	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.26	0.024	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.028	0.51	0.028	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.070	0.51	0.070	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.032	0.26	0.032	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.26	0.017	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.061	0.51	0.061	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.090	2.0	0.090	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.26	0.014	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.059	0.51	0.059	mg/kg dry	1	"	"	"	"	
Benzene	<0.015	0.26	0.015	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.038	0.26	0.038	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
Bromoform	<0.028	0.51	0.028	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.11	0.51	0.11	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.038	0.26	0.038	mg/kg dry	1	"	"	"	"	
Chloroform	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.062	0.26	0.062	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC6-SB1_17-17 (1105075-01) Soil Sampled: 10/19/11 09:30 Received: 10/19/11 12:40										
cis-1,3-Dichloropropene	<0.022	0.26	0.022	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
Dibromochloromethane	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.030	0.26	0.030	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.10	0.51	0.10	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.039	0.26	0.039	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.039	0.51	0.039	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.011	0.26	0.011	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.070	1.0	0.070	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.048	0.51	0.048	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.084	0.51	0.084	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.19	1.0	0.059	mg/kg dry	1	"	"	"	"	J
Naphthalene	<0.056	0.51	0.056	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.026	0.26	0.026	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.26	0.014	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.26	0.017	mg/kg dry	1	"	"	"	"	
Styrene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.029	0.26	0.029	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.031	0.26	0.031	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.042	0.26	0.042	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.036	0.26	0.036	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.066	0.26	0.066	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.5			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.1			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	94.1			78.1-125 %		"	"	"	"	

U-LWBC7-SB1_18-18 (1105075-02) Soil Sampled: 10/19/11 10:00 Received: 10/19/11 12:40										
1,1,1,2-Tetrachloroethane	<0.060	0.26	0.060	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
1,1,1-Trichloroethane	<0.033	0.26	0.033	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.069	0.26	0.069	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-SB1_18-18 (1105075-02) Soil Sampled: 10/19/11 10:00 Received: 10/19/11 12:40										
1,1-Dichloroethene	<0.026	0.26	0.026	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
1,1-Dichloropropene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.062	0.51	0.062	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.26	0.024	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.028	0.51	0.028	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.070	0.51	0.070	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.032	0.26	0.032	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.26	0.017	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.061	0.51	0.061	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.090	2.0	0.090	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.26	0.014	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.059	0.51	0.059	mg/kg dry	1	"	"	"	"	
Benzene	<0.015	0.26	0.015	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.038	0.26	0.038	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
Bromoform	<0.028	0.51	0.028	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.11	0.51	0.11	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.038	0.26	0.038	mg/kg dry	1	"	"	"	"	
Chloroform	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.062	0.26	0.062	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.030	0.26	0.030	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.10	0.51	0.10	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.039	0.26	0.039	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.039	0.51	0.039	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-SB1_18-18 (1105075-02) Soil Sampled: 10/19/11 10:00 Received: 10/19/11 12:40										
Ethylbenzene	<0.011	0.26	0.011	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
Hexachlorobutadiene	<0.070	1.0	0.070	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.048	0.51	0.048	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.084	0.51	0.084	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.20	1.0	0.059	mg/kg dry	1	"	"	"	"	J
Naphthalene	<0.056	0.51	0.056	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.026	0.26	0.026	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.26	0.014	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.26	0.017	mg/kg dry	1	"	"	"	"	
Styrene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.029	0.26	0.029	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.031	0.26	0.031	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.042	0.26	0.042	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.036	0.26	0.036	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.066	0.26	0.066	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	97.1			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	97.0			78.1-125 %		"	"	"	"	

U-LWBB7-SB1_17-17 (1105075-04) Soil Sampled: 10/19/11 10:45 Received: 10/19/11 12:40										
1,1,1,2-Tetrachloroethane	<0.060	0.25	0.060	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.069	0.25	0.069	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.062	0.51	0.062	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.51	0.027	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBB7-SB1_17-17 (1105075-04) Soil Sampled: 10/19/11 10:45 Received: 10/19/11 12:40										
1,2-Dibromo-3-chloropropane	<0.070	0.51	0.070	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.061	0.51	0.061	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.089	2.0	0.089	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg dry	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.059	0.51	0.059	mg/kg dry	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg dry	1	"	"	"	"	
Bromoform	<0.027	0.51	0.027	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.11	0.51	0.11	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg dry	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.062	0.25	0.062	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.10	0.51	0.10	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.51	0.038	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.070	1.0	0.070	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.047	0.51	0.047	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.083	0.51	0.083	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBB7-SB1_17-17 (1105075-04) Soil Sampled: 10/19/11 10:45 Received: 10/19/11 12:40										
Methylene chloride	0.19	1.0	0.059	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	J
Naphthalene	<0.056	0.51	0.056	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg dry	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.016	0.25	0.016	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.066	0.25	0.066	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.4			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.0			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	94.2			78.1-125 %		"	"	"	"	
M-1 (1105075-05) Soil Sampled: 10/19/11 00:00 Received: 10/19/11 12:40										
1,1,1,2-Tetrachloroethane	<0.066	0.28	0.066	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
1,1,1-Trichloroethane	<0.036	0.28	0.036	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.077	0.28	0.077	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.069	0.56	0.069	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.027	0.28	0.027	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.030	0.56	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.078	0.56	0.078	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.035	0.28	0.035	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1105075-05) Soil Sampled: 10/19/11 00:00 Received: 10/19/11 12:40										
1,3-Dichlorobenzene	<0.029	0.28	0.029	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
1,3-Dichloropropane	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.019	0.28	0.019	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.068	0.56	0.068	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.099	2.3	0.099	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
Acetone	<0.21	2.3	0.21	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.065	0.56	0.065	mg/kg dry	1	"	"	"	"	
Benzene	<0.017	0.28	0.017	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.042	0.28	0.042	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
Bromoform	<0.030	0.56	0.030	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.12	0.56	0.12	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.042	0.28	0.042	mg/kg dry	1	"	"	"	"	
Chloroform	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.069	0.28	0.069	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.029	0.28	0.029	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.025	0.28	0.025	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.038	0.28	0.038	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.033	0.28	0.033	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.11	0.56	0.11	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.043	0.28	0.043	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.043	0.56	0.043	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.012	0.28	0.012	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.078	1.1	0.078	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.021	0.28	0.021	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.053	0.56	0.053	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.092	0.56	0.092	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.22	1.1	0.065	mg/kg dry	1	"	"	"	"	J
Naphthalene	<0.062	0.56	0.062	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.030	0.28	0.030	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.024	0.28	0.024	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.028	0.28	0.028	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.016	0.28	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1105075-05) Soil Sampled: 10/19/11 00:00 Received: 10/19/11 12:40										
sec-Butylbenzene	<0.019	0.28	0.019	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
Styrene	<0.023	0.28	0.023	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.020	0.28	0.020	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.032	0.28	0.032	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.14	2.3	0.14	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.018	0.28	0.018	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.034	0.28	0.034	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.026	0.28	0.026	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.046	0.28	0.046	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.039	0.28	0.039	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.073	0.28	0.073	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	102			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	96.0			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	96.3			78.1-125 %		"	"	"	"	

FB-1 (1105075-06) Water Sampled: 10/19/11 00:00 Received: 10/19/11 12:40										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1J2707	10/26/11	10/26/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1105075-06) Water Sampled: 10/19/11 00:00 Received: 10/19/11 12:40										
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	B1J2707	10/26/11	10/26/11	EPA 8260B	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	T-1
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	T-1
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-1 (1105075-06) Water **Sampled: 10/19/11 00:00** **Received: 10/19/11 12:40**

trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	B1J2707	10/26/11	10/26/11	EPA 8260B	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.9			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	99.5			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	101			80-120 %		"	"	"	"	

U-LWBB7-SB1_4-4 (1105075-07) Soil **Sampled: 10/19/11 10:35** **Received: 10/19/11 12:40**

1,1,1,2-Tetrachloroethane	<0.060	0.26	0.060	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
1,1,1-Trichloroethane	<0.033	0.26	0.033	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.069	0.26	0.069	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.026	0.26	0.026	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.062	0.51	0.062	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.26	0.024	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.028	0.51	0.028	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.070	0.51	0.070	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.032	0.26	0.032	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.26	0.017	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.061	0.51	0.061	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.090	2.0	0.090	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.26	0.014	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.059	0.51	0.059	mg/kg dry	1	"	"	"	"	
Benzene	<0.015	0.26	0.015	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.038	0.26	0.038	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBB7-SB1_4-4 (1105075-07) Soil Sampled: 10/19/11 10:35 Received: 10/19/11 12:40										
Bromodichloromethane	<0.028	0.26	0.028	mg/kg dry	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
Bromoform	<0.028	0.51	0.028	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.11	0.51	0.11	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.038	0.26	0.038	mg/kg dry	1	"	"	"	"	
Chloroform	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.062	0.26	0.062	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.030	0.26	0.030	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.10	0.51	0.10	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.039	0.26	0.039	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.039	0.51	0.039	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.011	0.26	0.011	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.070	1.0	0.070	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.048	0.51	0.048	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.084	0.51	0.084	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.21	1.0	0.059	mg/kg dry	1	"	"	"	"	J
Naphthalene	<0.056	0.51	0.056	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.026	0.26	0.026	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.26	0.014	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.26	0.017	mg/kg dry	1	"	"	"	"	
Styrene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.029	0.26	0.029	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.031	0.26	0.031	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.042	0.26	0.042	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.036	0.26	0.036	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.066	0.26	0.066	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	103			80-124 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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U-LWBB7-SB1_4-4 (1105075-07) Soil Sampled: 10/19/11 10:35 Received: 10/19/11 12:40

Surrogate: Dibromofluoromethane	97.2			77.1-123 %		B1J2011	10/20/11	10/20/11	EPA 8260B	
Surrogate: Toluene-d8	97.1			78.1-125 %		"	"	"	"	

Trip Blank (1105075-08) Methanol Sampled: 10/19/11 00:00 Received: 10/19/11 12:40

1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105075-08) Methanol Sampled: 10/19/11 00:00 Received: 10/19/11 12:40										
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	B1J2011	10/20/11	10/20/11	EPA 8260B	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	0.19	1.0	0.058	mg/kg wet	1	"	"	"	"	J
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	T-1
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	97.6			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	96.1			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2003 - EPA 3050B

Blank (B1J2003-BLK1)

Prepared & Analyzed: 10/20/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J2003-BS1)

Prepared & Analyzed: 10/20/11

Arsenic	40.9	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.6	1.0	0.060	mg/kg wet	39.9		107	80-120			
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	42.1	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	41.1	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.10	0.25	0.016	mg/kg wet	3.99		103	80-120			

LCS Dup (B1J2003-BSD1)

Prepared & Analyzed: 10/20/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120	0.918	20	
Barium	42.4	1.0	0.060	mg/kg wet	39.9		106	80-120	0.395	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	0.653	20	
Chromium	41.4	0.50	0.012	mg/kg wet	39.9		104	80-120	0.578	20	
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120	0.342	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	0.476	20	
Silver	4.09	0.25	0.016	mg/kg wet	3.99		103	80-120	0.148	20	

Matrix Spike (B1J2003-MS1)

Source: 1105067-01

Prepared & Analyzed: 10/20/11

Arsenic	48.3	0.54	0.059	mg/kg dry	42.9	10.0	89.2	75-125			
Barium	157	1.1	0.065	mg/kg dry	42.9	116	95.5	75-125			
Cadmium	39.7	0.27	0.036	mg/kg dry	42.9	<0.27	91.9	75-125			
Chromium	61.7	0.54	0.013	mg/kg dry	42.9	21.5	93.7	75-125			
Lead	50.0	1.1	0.15	mg/kg dry	42.9	11.3	90.1	75-125			
Selenium	37.6	1.1	0.10	mg/kg dry	42.9	<1.1	87.7	75-125			
Silver	3.85	0.27	0.017	mg/kg dry	4.29	<0.27	89.6	75-125			

Matrix Spike Dup (B1J2003-MSD1)

Source: 1105067-01

Prepared & Analyzed: 10/20/11

Arsenic	47.8	0.53	0.059	mg/kg dry	42.5	10.0	89.1	75-125	0.986	20	
Barium	156	1.1	0.064	mg/kg dry	42.5	116	94.5	75-125	0.585	20	
Cadmium	39.4	0.27	0.035	mg/kg dry	42.5	<0.27	92.2	75-125	0.752	20	
Chromium	61.7	0.53	0.013	mg/kg dry	42.5	21.5	94.8	75-125	0.0185	20	
Lead	49.5	1.1	0.15	mg/kg dry	42.5	11.3	90.1	75-125	0.881	20	
Selenium	37.3	1.1	0.10	mg/kg dry	42.5	<1.1	87.8	75-125	0.941	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2003 - EPA 3050B

Matrix Spike Dup (B1J2003-MSD1)

Source: 1105067-01

Prepared & Analyzed: 10/20/11

Silver	3.82	0.27	0.017	mg/kg dry	4.25	<0.27	90.0	75-125	0.748	20	
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Batch B1J2006 - EPA 245.1/7470A Digestion

Blank (B1J2006-BLK1)

Prepared & Analyzed: 10/20/11

Mercury	< 0.00020	0.00020	0.000037	mg/L							
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LCS (B1J2006-BS1)

Prepared & Analyzed: 10/20/11

Mercury	0.00181	0.00020	0.000037	mg/L	0.00200		90.5	80-120			
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LCS Dup (B1J2006-BSD1)

Prepared & Analyzed: 10/20/11

Mercury	0.00179	0.00020	0.000037	mg/L	0.00200		89.5	80-120	1.11	20	
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Matrix Spike (B1J2006-MS1)

Source: 1104973-07

Prepared & Analyzed: 10/20/11

Mercury	0.00197	0.00020	0.000037	mg/L	0.00200	<0.00020	98.5	75-125			
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Matrix Spike Dup (B1J2006-MSD1)

Source: 1104973-07

Prepared & Analyzed: 10/20/11

Mercury	0.00178	0.00020	0.000037	mg/L	0.00200	<0.00020	89.0	75-125	10.1	20	
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Batch B1J2101 - EPA 3050B

Blank (B1J2101-BLK1)

Prepared & Analyzed: 10/21/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J2101-BS1)

Prepared & Analyzed: 10/21/11

Arsenic	40.7	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.2	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	41.2	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1J2101-BSD1)

Prepared & Analyzed: 10/21/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		102	80-120	0.500	20	
Barium	41.5	1.0	0.060	mg/kg wet	39.9		104	80-120	1.68	20	
Cadmium	40.9	0.25	0.033	mg/kg wet	39.9		102	80-120	0.686	20	
Chromium	41.4	0.50	0.012	mg/kg wet	39.9		104	80-120	0.411	20	
Lead	41.8	1.0	0.14	mg/kg wet	39.9		105	80-120	0.269	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	0.738	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2101 - EPA 3050B

LCS Dup (B1J2101-BSD1)

Prepared & Analyzed: 10/21/11

Silver	4.13	0.25	0.016	mg/kg wet	3.99		103	80-120	0.716	20	
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Matrix Spike (B1J2101-MS1)

Source: 1105096-01

Prepared & Analyzed: 10/21/11

Arsenic	40.3	0.51	0.056	mg/kg dry	39.2	1.26	99.7	75-125			
Barium	59.7	1.0	0.061	mg/kg dry	39.2	15.5	113	75-125			
Cadmium	39.2	0.26	0.034	mg/kg dry	39.2	<0.26	99.8	75-125			
Chromium	45.4	0.51	0.012	mg/kg dry	39.2	5.77	101	75-125			
Lead	39.4	1.0	0.14	mg/kg dry	39.2	1.36	97.1	75-125			
Selenium	38.8	1.0	0.097	mg/kg dry	39.2	<1.0	99.0	75-125			
Silver	3.88	0.26	0.016	mg/kg dry	3.92	<0.26	99.1	75-125			

Matrix Spike Dup (B1J2101-MSD1)

Source: 1105096-01

Prepared & Analyzed: 10/21/11

Arsenic	42.0	0.51	0.056	mg/kg dry	40.0	1.26	102	75-125	3.97	20	
Barium	53.3	1.0	0.061	mg/kg dry	40.0	15.5	94.5	75-125	11.3	20	
Cadmium	41.1	0.26	0.034	mg/kg dry	40.0	<0.26	103	75-125	4.68	20	
Chromium	44.7	0.51	0.012	mg/kg dry	40.0	5.77	97.3	75-125	1.71	20	
Lead	40.8	1.0	0.14	mg/kg dry	40.0	1.36	98.7	75-125	3.53	20	
Selenium	40.6	1.0	0.097	mg/kg dry	40.0	<1.0	102	75-125	4.55	20	
Silver	4.11	0.26	0.016	mg/kg dry	4.00	<0.26	103	75-125	5.59	20	

Batch B1J2405 - EPA 200.7/3005A Digestion

Blank (B1J2405-BLK1)

Prepared: 10/24/11 Analyzed: 10/26/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1J2405-BS1)

Prepared: 10/24/11 Analyzed: 10/26/11

Arsenic	0.407	0.010	0.0011	mg/L	0.399		102	80-120			
Barium	0.435	0.020	0.0012	mg/L	0.399		109	80-120			
Cadmium	0.408	0.0010	0.00013	mg/L	0.399		102	80-120			
Chromium	0.418	0.010	0.00024	mg/L	0.399		105	80-120			
Lead	0.430	0.0030	0.00042	mg/L	0.399		108	80-120			
Selenium	0.409	0.020	0.0019	mg/L	0.399		102	80-120			
Silver	0.0411	0.0050	0.00031	mg/L	0.0399		103	80-120			

LCS Dup (B1J2405-BSD1)

Prepared: 10/24/11 Analyzed: 10/26/11

Arsenic	0.409	0.010	0.0011	mg/L	0.399		102	80-120	0.364	20	
Barium	0.435	0.020	0.0012	mg/L	0.399		109	80-120	0.0494	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2405 - EPA 200.7/3005A Digestion											
LCS Dup (B1J2405-BSD1)											
						Prepared: 10/24/11	Analyzed: 10/26/11				
Cadmium	0.406	0.0010	0.00013	mg/L	0.399		102	80-120	0.659	20	
Chromium	0.418	0.010	0.00024	mg/L	0.399		105	80-120	0.0380	20	
Lead	0.430	0.0030	0.00042	mg/L	0.399		108	80-120	0.0339	20	
Selenium	0.409	0.020	0.0019	mg/L	0.399		102	80-120	0.0220	20	
Silver	0.0410	0.0050	0.00031	mg/L	0.0399		103	80-120	0.320	20	
Matrix Spike (B1J2405-MS1)											
						Source: 1105075-06	Prepared: 10/24/11 Analyzed: 10/26/11				
Arsenic	0.407	0.010	0.0011	mg/L	0.399	<0.010	102	75-125			
Barium	0.432	0.020	0.0012	mg/L	0.399	<0.020	108	75-125			
Cadmium	0.411	0.0010	0.00013	mg/L	0.399	<0.0010	103	75-125			
Chromium	0.419	0.010	0.00024	mg/L	0.399	<0.010	105	75-125			
Lead	0.433	0.0030	0.00042	mg/L	0.399	<0.0030	109	75-125			
Selenium	0.408	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0412	0.0050	0.00031	mg/L	0.0399	<0.0050	103	75-125			
Matrix Spike Dup (B1J2405-MSD1)											
						Source: 1105075-06	Prepared: 10/24/11 Analyzed: 10/26/11				
Arsenic	0.403	0.010	0.0011	mg/L	0.399	<0.010	101	75-125	1.00	20	
Barium	0.430	0.020	0.0012	mg/L	0.399	<0.020	107	75-125	0.595	20	
Cadmium	0.400	0.0010	0.00013	mg/L	0.399	<0.0010	100	75-125	2.51	20	
Chromium	0.412	0.010	0.00024	mg/L	0.399	<0.010	103	75-125	1.63	20	
Lead	0.425	0.0030	0.00042	mg/L	0.399	<0.0030	106	75-125	2.05	20	
Selenium	0.403	0.020	0.0019	mg/L	0.399	<0.020	101	75-125	1.19	20	
Silver	0.0411	0.0050	0.00031	mg/L	0.0399	<0.0050	103	75-125	0.318	20	
Batch B1J2510 - EPA 7471A											
Blank (B1J2510-BLK1)											
						Prepared: 10/25/11 Analyzed: 10/27/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J2510-BS1)											
						Prepared: 10/25/11 Analyzed: 10/27/11					
Mercury	0.187	0.10	0.019	mg/kg wet	0.200		93.5	80-120			
LCS Dup (B1J2510-BSD1)											
						Prepared: 10/25/11 Analyzed: 10/27/11					
Mercury	0.203	0.10	0.019	mg/kg wet	0.200		102	80-120	8.21	20	
Matrix Spike (B1J2510-MS1)											
						Source: 1105075-01	Prepared: 10/25/11 Analyzed: 10/27/11				
Mercury	0.200	0.087	0.017	mg/kg dry	0.174	<0.087	115	75-125			
Matrix Spike Dup (B1J2510-MSD1)											
						Source: 1105075-01	Prepared: 10/25/11 Analyzed: 10/27/11				
Mercury	0.207	0.10	0.019	mg/kg dry	0.207	<0.10	100	75-125	3.49	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2406 - EPA 3545 ASE Extraction

Blank (B1J2406-BLK1)

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0553			mg/kg wet	0.0667		83.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0560			mg/kg wet	0.0667		84.0	60.9-138			

LCS (B1J2406-BS1)

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.318	0.20	0.0059	mg/kg wet	0.333		95.3	70-130			
Surrogate: Decachlorobiphenyl	0.0577			mg/kg wet	0.0667		86.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0570			mg/kg wet	0.0667		85.5	60.9-138			

Matrix Spike (B1J2406-MS1)

Source: 1105003-02

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.672	0.21	0.0062	mg/kg dry	0.358	0.324	97.2	70-130			
Surrogate: Decachlorobiphenyl	0.0655			mg/kg dry	0.0716		91.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0687			mg/kg dry	0.0716		96.0	60.9-138			

Matrix Spike Dup (B1J2406-MSD1)

Source: 1105003-02

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.397	0.21	0.0062	mg/kg dry	0.351	0.324	20.9	70-130	51.3	17.2	M2, QR-04
Surrogate: Decachlorobiphenyl	0.0386			mg/kg dry	0.0703		55.0	65.3-143			S-02
Surrogate: Tetrachloro-meta-xylene	0.0379			mg/kg dry	0.0703		54.0	60.9-138			S-02

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J2705 - General Preparation												
Duplicate (B1J2705-DUP1)							Source: 1105068-03					Prepared & Analyzed: 10/27/11
% Solids	88.0			%		88.0			0.00	20		
Duplicate (B1J2705-DUP2)							Source: 1105071-09					Prepared & Analyzed: 10/27/11
% Solids	99.0			%		99.0			0.00	20		
Duplicate (B1J2705-DUP3)							Source: 1105078-12					Prepared & Analyzed: 10/27/11
% Solids	98.0			%		98.0			0.00	20		
Duplicate (B1J2705-DUP4)							Source: 1105164-03					Prepared & Analyzed: 10/27/11
% Solids	95.0			%		95.0			0.00	20		
Batch B1J2811 - General Preparation												
Duplicate (B1J2811-DUP1)							Source: 1105212-09					Prepared & Analyzed: 10/28/11
% Solids	93.0			%		94.0			1.07	20		
Duplicate (B1J2811-DUP2)							Source: 1105248-01					Prepared & Analyzed: 10/28/11
% Solids	94.0			%		95.0			1.06	20		

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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2112 - EPA 3510C (Sep Funnel)

Blank (B1J2112-BLK1)

Prepared: 10/21/11 Analyzed: 10/24/11

4,4'-DDD	< 0.031	0.40	0.031	ug/L							
4,4'-DDE	< 0.031	0.40	0.031	ug/L							
4,4'-DDT	< 0.031	0.40	0.031	ug/L							
Aldrin	< 0.033	0.40	0.033	ug/L							
alpha-BHC	< 0.028	0.40	0.028	ug/L							
alpha-Chlordane	< 0.032	0.40	0.032	ug/L							
beta-BHC	< 0.031	0.40	0.031	ug/L							
delta-BHC	< 0.030	0.40	0.030	ug/L							
Dieldrin	< 0.031	0.40	0.031	ug/L							
Endosulfan I	< 0.032	0.40	0.032	ug/L							
Endosulfan II	< 0.032	0.40	0.032	ug/L							
Endosulfan sulfate	< 0.031	0.40	0.031	ug/L							
Endrin	< 0.033	0.40	0.033	ug/L							
Endrin aldehyde	< 0.040	0.40	0.040	ug/L							
Endrin ketone	< 0.031	0.40	0.031	ug/L							
gamma-BHC (Lindane)	< 0.029	0.40	0.029	ug/L							
gamma-Chlordane	< 0.032	0.40	0.032	ug/L							
Heptachlor	< 0.031	0.40	0.031	ug/L							
Heptachlor epoxide	< 0.031	0.40	0.031	ug/L							
Methoxychlor	< 0.029	0.40	0.029	ug/L							
Toxaphene	< 0.29	1.0	0.29	ug/L							
Surrogate: Decachlorobiphenyl	1.04			ug/L	1.00		104	80.6-122			
Surrogate: Tetrachloro-meta-xylene	0.735			ug/L	1.00		73.5	71.7-111			

LCS (B1J2112-BS1)

Prepared: 10/21/11 Analyzed: 10/24/11

4,4'-DDD	1.17	0.40	0.031	ug/L	1.25		93.6	70-130			
4,4'-DDE	1.15	0.40	0.031	ug/L	1.25		92.0	70-130			
4,4'-DDT	1.17	0.40	0.031	ug/L	1.25		93.6	70-130			
Aldrin	1.10	0.40	0.033	ug/L	1.25		88.4	70-130			
alpha-BHC	1.14	0.40	0.028	ug/L	1.25		91.2	70-130			
alpha-Chlordane	1.20	0.40	0.032	ug/L	1.25		95.6	70-130			
beta-BHC	1.10	0.40	0.031	ug/L	1.25		88.4	70-130			
delta-BHC	1.14	0.40	0.030	ug/L	1.25		91.6	70-130			
Dieldrin	1.18	0.40	0.031	ug/L	1.25		94.0	70-130			
Endosulfan I	1.16	0.40	0.032	ug/L	1.25		93.2	70-130			
Endosulfan II	1.18	0.40	0.032	ug/L	1.25		94.4	70-130			
Endosulfan sulfate	1.18	0.40	0.031	ug/L	1.25		94.4	70-130			
Endrin	1.21	0.40	0.033	ug/L	1.25		96.8	70-130			
Endrin aldehyde	1.77	0.40	0.040	ug/L	1.25		142	70-130			QM-11
Endrin ketone	1.18	0.40	0.031	ug/L	1.25		94.4	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2112 - EPA 3510C (Sep Funnel)

LCS (B1J2112-BS1)

Prepared: 10/21/11 Analyzed: 10/24/11

gamma-BHC (Lindane)	1.14	0.40	0.029	ug/L	1.25		91.6	70-130			
gamma-Chlordane	1.16	0.40	0.032	ug/L	1.25		92.4	70-130			
Heptachlor	1.10	0.40	0.031	ug/L	1.25		88.4	70-130			
Heptachlor epoxide	1.16	0.40	0.031	ug/L	1.25		92.4	70-130			
Methoxychlor	1.12	0.40	0.029	ug/L	1.25		90.0	70-130			
Surrogate: Decachlorobiphenyl	1.01			ug/L	1.00		101	80.6-122			
Surrogate: Tetrachloro-meta-xylene	0.770			ug/L	1.00		77.0	71.7-111			

LCS Dup (B1J2112-BSD1)

Prepared: 10/21/11 Analyzed: 10/24/11

Q9, QM-10

4,4'-DDD	1.28	0.40	0.031	ug/L	1.25		103	70-130	9.37	20	
4,4'-DDE	1.28	0.40	0.031	ug/L	1.25		102	70-130	10.3	20	
4,4'-DDT	1.28	0.40	0.031	ug/L	1.25		102	70-130	8.98	20	
Aldrin	1.20	0.40	0.033	ug/L	1.25		96.4	70-130	8.66	20	
alpha-BHC	1.28	0.40	0.028	ug/L	1.25		102	70-130	11.2	20	
alpha-Chlordane	1.31	0.40	0.032	ug/L	1.25		105	70-130	9.18	20	
beta-BHC	1.23	0.40	0.031	ug/L	1.25		98.4	70-130	10.7	20	
delta-BHC	1.28	0.40	0.030	ug/L	1.25		102	70-130	10.7	20	
Dieldrin	1.29	0.40	0.031	ug/L	1.25		103	70-130	9.33	20	
Endosulfan I	1.28	0.40	0.032	ug/L	1.25		102	70-130	9.41	20	
Endosulfan II	1.29	0.40	0.032	ug/L	1.25		103	70-130	8.91	20	
Endosulfan sulfate	1.28	0.40	0.031	ug/L	1.25		103	70-130	8.52	20	
Endrin	1.32	0.40	0.033	ug/L	1.25		106	70-130	9.07	20	
Endrin aldehyde	1.92	0.40	0.040	ug/L	1.25		153	70-130	7.87	20	QM-11
Endrin ketone	1.28	0.40	0.031	ug/L	1.25		103	70-130	8.52	20	
gamma-BHC (Lindane)	1.28	0.40	0.029	ug/L	1.25		102	70-130	10.7	20	
gamma-Chlordane	1.28	0.40	0.032	ug/L	1.25		102	70-130	9.88	20	
Heptachlor	1.22	0.40	0.031	ug/L	1.25		98.0	70-130	10.3	20	
Heptachlor epoxide	1.28	0.40	0.031	ug/L	1.25		102	70-130	9.88	20	
Methoxychlor	1.22	0.40	0.029	ug/L	1.25		97.6	70-130	8.10	20	
Surrogate: Decachlorobiphenyl	1.08			ug/L	1.00		108	80.6-122			
Surrogate: Tetrachloro-meta-xylene	0.860			ug/L	1.00		86.0	71.7-111			

Matrix Spike (B1J2112-MS1)

Source: 1105021-01

Prepared: 10/21/11 Analyzed: 10/25/11

4,4'-DDD	1.28	0.43	0.033	ug/L	1.33	<0.43	96.0	70-130			
4,4'-DDE	1.28	0.43	0.033	ug/L	1.33	<0.43	96.0	70-130			
4,4'-DDT	1.27	0.43	0.033	ug/L	1.33	<0.43	95.2	70-130			
Aldrin	1.21	0.43	0.035	ug/L	1.33	<0.43	91.2	70-130			
alpha-BHC	1.28	0.43	0.030	ug/L	1.33	<0.43	96.4	70-130			
alpha-Chlordane	1.29	0.43	0.034	ug/L	1.33	<0.43	96.8	70-130			
beta-BHC	1.31	0.43	0.033	ug/L	1.33	<0.43	98.4	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2112 - EPA 3510C (Sep Funnel)											
Matrix Spike (B1J2112-MS1)		Source: 1105021-01			Prepared: 10/21/11		Analyzed: 10/25/11				
delta-BHC	1.36	0.43	0.032	ug/L	1.33	<0.43	102	70-130			
Dieldrin	1.30	0.43	0.033	ug/L	1.33	<0.43	98.0	70-130			
Endosulfan I	1.34	0.43	0.034	ug/L	1.33	<0.43	100	70-130			
Endosulfan II	1.32	0.43	0.034	ug/L	1.33	<0.43	99.6	70-130			
Endosulfan sulfate	1.34	0.43	0.033	ug/L	1.33	<0.43	101	70-130			
Endrin	1.35	0.43	0.035	ug/L	1.33	<0.43	101	70-130			
Endrin aldehyde	1.91	0.43	0.043	ug/L	1.33	<0.43	144	70-130			QM-11
Endrin ketone	1.33	0.43	0.033	ug/L	1.33	<0.43	100	70-130			
gamma-BHC (Lindane)	1.30	0.43	0.031	ug/L	1.33	<0.43	97.6	70-130			
gamma-Chlordane	1.30	0.43	0.034	ug/L	1.33	<0.43	97.6	70-130			
Heptachlor	1.21	0.43	0.033	ug/L	1.33	<0.43	90.8	70-130			
Heptachlor epoxide	1.29	0.43	0.033	ug/L	1.33	<0.43	96.8	70-130			
Methoxychlor	1.21	0.43	0.031	ug/L	1.33	<0.43	90.8	70-130			
Surrogate: Decachlorobiphenyl	1.11			ug/L	1.06		104	80.6-122			
Surrogate: Tetrachloro-meta-xylene	0.846			ug/L	1.06		79.5	71.7-111			

Batch B1J2410 - EPA 3545 ASE Extraction

Blank (B1J2410-BLK1)		Prepared: 10/24/11		Analyzed: 10/27/11	
4,4'-DDD	< 0.040	0.040	0.0020	mg/kg wet	
4,4'-DDE	< 0.040	0.040	0.0020	mg/kg wet	
4,4'-DDT	< 0.040	0.040	0.0020	mg/kg wet	
Aldrin	< 0.040	0.040	0.0021	mg/kg wet	
alpha-BHC	< 0.040	0.040	0.0020	mg/kg wet	
alpha-Chlordane	< 0.040	0.040	0.0020	mg/kg wet	
beta-BHC	< 0.040	0.040	0.0022	mg/kg wet	
delta-BHC	< 0.040	0.040	0.0020	mg/kg wet	
Dieldrin	< 0.040	0.040	0.0020	mg/kg wet	
Endosulfan I	< 0.040	0.040	0.0022	mg/kg wet	
Endosulfan II	< 0.040	0.040	0.0021	mg/kg wet	
Endosulfan sulfate	< 0.040	0.040	0.0021	mg/kg wet	
Endrin	< 0.040	0.040	0.0020	mg/kg wet	
Endrin aldehyde	< 0.040	0.040	0.0014	mg/kg wet	
Endrin ketone	< 0.040	0.040	0.0021	mg/kg wet	
gamma-BHC (Lindane)	< 0.040	0.040	0.0021	mg/kg wet	
gamma-Chlordane	< 0.040	0.040	0.0021	mg/kg wet	
Heptachlor	< 0.040	0.040	0.0021	mg/kg wet	
Heptachlor epoxide	< 0.040	0.040	0.0020	mg/kg wet	
Methoxychlor	< 0.040	0.040	0.0021	mg/kg wet	
Toxaphene	< 0.080	0.080	0.016	mg/kg wet	
Surrogate: Decachlorobiphenyl	0.0697		mg/kg wet	0.0667	104 83.7-130

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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2410 - EPA 3545 ASE Extraction

Blank (B1J2410-BLK1)

Prepared: 10/24/11 Analyzed: 10/27/11

<i>Surrogate: Tetrachloro-meta-xylene</i>	0.0677			mg/kg wet	0.0667		102	65.2-135			
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LCS (B1J2410-BS1)

Prepared: 10/24/11 Analyzed: 10/27/11

4,4'-DDD	0.0820	0.040	0.0020	mg/kg wet	0.0833		98.4	70-130			
4,4'-DDE	0.0813	0.040	0.0020	mg/kg wet	0.0833		97.6	70-130			
4,4'-DDT	0.0820	0.040	0.0020	mg/kg wet	0.0833		98.4	70-130			
Aldrin	0.0810	0.040	0.0021	mg/kg wet	0.0833		97.2	70-130			
alpha-BHC	0.0823	0.040	0.0020	mg/kg wet	0.0833		98.8	70-130			
alpha-Chlordane	0.0830	0.040	0.0020	mg/kg wet	0.0833		99.6	70-130			
beta-BHC	0.0803	0.040	0.0022	mg/kg wet	0.0833		96.4	70-130			
delta-BHC	0.0807	0.040	0.0020	mg/kg wet	0.0833		96.8	70-130			
Dieldrin	0.0810	0.040	0.0020	mg/kg wet	0.0833		97.2	70-130			
Endosulfan I	0.0800	0.040	0.0022	mg/kg wet	0.0833		96.0	70-130			
Endosulfan II	0.0803	0.040	0.0021	mg/kg wet	0.0833		96.4	70-130			
Endosulfan sulfate	0.0797	0.040	0.0021	mg/kg wet	0.0833		95.6	70-130			
Endrin	0.0837	0.040	0.0020	mg/kg wet	0.0833		100	70-130			
Endrin aldehyde	0.0877	0.040	0.0014	mg/kg wet	0.0833		105	70-130			
Endrin ketone	0.0803	0.040	0.0021	mg/kg wet	0.0833		96.4	70-130			
gamma-BHC (Lindane)	0.0823	0.040	0.0021	mg/kg wet	0.0833		98.8	70-130			
gamma-Chlordane	0.0803	0.040	0.0021	mg/kg wet	0.0833		96.4	70-130			
Heptachlor	0.0800	0.040	0.0021	mg/kg wet	0.0833		96.0	70-130			
Heptachlor epoxide	0.0807	0.040	0.0020	mg/kg wet	0.0833		96.8	70-130			
Methoxychlor	0.0790	0.040	0.0021	mg/kg wet	0.0833		94.8	70-130			
<i>Surrogate: Decachlorobiphenyl</i>	0.0667			mg/kg wet	0.0667		100	83.7-130			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.0657			mg/kg wet	0.0667		98.5	65.2-135			

Matrix Spike (B1J2410-MS1)

Source: 1105075-02

Prepared: 10/24/11 Analyzed: 10/27/11

4,4'-DDD	0.0865	0.041	0.0020	mg/kg dry	0.0854	<0.041	101	70-130			
4,4'-DDE	0.0858	0.041	0.0020	mg/kg dry	0.0854	<0.041	100	70-130			
4,4'-DDT	0.0865	0.041	0.0020	mg/kg dry	0.0854	<0.041	101	70-130			
Aldrin	0.0841	0.041	0.0021	mg/kg dry	0.0854	<0.041	98.4	70-130			
alpha-BHC	0.0851	0.041	0.0020	mg/kg dry	0.0854	<0.041	99.6	70-130			
alpha-Chlordane	0.0875	0.041	0.0020	mg/kg dry	0.0854	<0.041	102	70-130			
beta-BHC	0.0851	0.041	0.0022	mg/kg dry	0.0854	<0.041	99.6	70-130			
delta-BHC	0.0817	0.041	0.0020	mg/kg dry	0.0854	<0.041	95.6	70-130			
Dieldrin	0.0854	0.041	0.0020	mg/kg dry	0.0854	<0.041	100	70-130			
Endosulfan I	0.0844	0.041	0.0022	mg/kg dry	0.0854	<0.041	98.8	70-130			
Endosulfan II	0.0854	0.041	0.0021	mg/kg dry	0.0854	<0.041	100	70-130			
Endosulfan sulfate	0.0844	0.041	0.0021	mg/kg dry	0.0854	<0.041	98.8	70-130			
Endrin	0.0882	0.041	0.0020	mg/kg dry	0.0854	<0.041	103	70-130			
Endrin aldehyde	0.104	0.041	0.0014	mg/kg dry	0.0854	<0.041	122	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2410 - EPA 3545 ASE Extraction

Matrix Spike (B1J2410-MS1)

Source: 1105075-02

Prepared: 10/24/11

Analyzed: 10/27/11

Endrin ketone	0.0851	0.041	0.0021	mg/kg dry	0.0854	<0.041	99.6	70-130			
gamma-BHC (Lindane)	0.0851	0.041	0.0021	mg/kg dry	0.0854	<0.041	99.6	70-130			
gamma-Chlordane	0.0847	0.041	0.0021	mg/kg dry	0.0854	<0.041	99.2	70-130			
Heptachlor	0.0827	0.041	0.0021	mg/kg dry	0.0854	<0.041	96.8	70-130			
Heptachlor epoxide	0.0847	0.041	0.0020	mg/kg dry	0.0854	<0.041	99.2	70-130			
Methoxychlor	0.0834	0.041	0.0021	mg/kg dry	0.0854	<0.041	97.6	70-130			
Surrogate: Decachlorobiphenyl	0.0704			mg/kg dry	0.0683		103	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0683			mg/kg dry	0.0683		100	65.2-135			

Matrix Spike Dup (B1J2410-MSD1)

Source: 1105075-02

Prepared: 10/24/11

Analyzed: 10/27/11

4,4'-DDD	0.0848	0.041	0.0020	mg/kg dry	0.0858	<0.041	98.8	70-130	1.93	17.3	
4,4'-DDE	0.0845	0.041	0.0020	mg/kg dry	0.0858	<0.041	98.4	70-130	1.54	18.9	
4,4'-DDT	0.0848	0.041	0.0020	mg/kg dry	0.0858	<0.041	98.8	70-130	1.93	37.6	
Aldrin	0.0845	0.041	0.0021	mg/kg dry	0.0858	<0.041	98.4	70-130	0.470	26.6	
alpha-BHC	0.0862	0.041	0.0020	mg/kg dry	0.0858	<0.041	100	70-130	1.27	27.3	
alpha-Chlordane	0.0865	0.041	0.0020	mg/kg dry	0.0858	<0.041	101	70-130	1.10	17.2	
beta-BHC	0.0845	0.041	0.0022	mg/kg dry	0.0858	<0.041	98.4	70-130	0.742	24.7	
delta-BHC	0.0814	0.041	0.0020	mg/kg dry	0.0858	<0.041	94.8	70-130	0.370	25.9	
Dieldrin	0.0838	0.041	0.0020	mg/kg dry	0.0858	<0.041	97.6	70-130	1.96	24.6	
Endosulfan I	0.0838	0.041	0.0022	mg/kg dry	0.0858	<0.041	97.6	70-130	0.752	18.2	
Endosulfan II	0.0838	0.041	0.0021	mg/kg dry	0.0858	<0.041	97.6	70-130	1.96	16.6	
Endosulfan sulfate	0.0831	0.041	0.0021	mg/kg dry	0.0858	<0.041	96.8	70-130	1.58	16.5	
Endrin	0.0872	0.041	0.0020	mg/kg dry	0.0858	<0.041	102	70-130	1.09	18.9	
Endrin aldehyde	0.0982	0.041	0.0014	mg/kg dry	0.0858	<0.041	114	70-130	5.96	17.9	
Endrin ketone	0.0834	0.041	0.0021	mg/kg dry	0.0858	<0.041	97.2	70-130	1.97	15.7	
gamma-BHC (Lindane)	0.0858	0.041	0.0021	mg/kg dry	0.0858	<0.041	100	70-130	0.871	27	
gamma-Chlordane	0.0838	0.041	0.0021	mg/kg dry	0.0858	<0.041	97.6	70-130	1.16	20	
Heptachlor	0.0831	0.041	0.0021	mg/kg dry	0.0858	<0.041	96.8	70-130	0.470	20.3	
Heptachlor epoxide	0.0848	0.041	0.0020	mg/kg dry	0.0858	<0.041	98.8	70-130	0.0659	26.2	
Methoxychlor	0.0817	0.041	0.0021	mg/kg dry	0.0858	<0.041	95.2	70-130	2.02	20.2	
Surrogate: Decachlorobiphenyl	0.0680			mg/kg dry	0.0687		99.0	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0683			mg/kg dry	0.0687		99.5	65.2-135			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2409 - EPA 3510C (Sep Funnel)

Blank (B1J2409-BLK1)

Prepared & Analyzed: 10/24/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2409 - EPA 3510C (Sep Funnel)

Blank (B1J2409-BLK1)

Prepared & Analyzed: 10/24/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	75.9			ug/L	100		75.9	30-122			
Surrogate: 2-Fluorobiphenyl	73.0			ug/L	100		73.0	39.2-104			
Surrogate: 2-Fluorophenol	60.0			ug/L	100		60.0	30-80.1			
Surrogate: Nitrobenzene-d5	64.4			ug/L	100		64.4	51.2-103			
Surrogate: Phenol-d6	59.7			ug/L	100		59.7	30-75.3			
Surrogate: Terphenyl-d14	66.9			ug/L	100		66.9	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2409 - EPA 3510C (Sep Funnel)

LCS (B1J2409-BS1)

Prepared: 10/24/11 Analyzed: 10/26/11

1,2,4-Trichlorobenzene	66.7	10	0.30	ug/L	100		66.7	47.4-88.7			
1,4-Dichlorobenzene	69.0	10	0.29	ug/L	100		69.0	39.5-81			
2,4-Dinitrotoluene	87.3	10	0.45	ug/L	100		87.3	67.2-99.3			
2-Chlorophenol	70.6	10	0.39	ug/L	100		70.6	56.5-85.9			
4-Chloro-3-methylphenol	76.9	10	0.48	ug/L	100		76.9	62.1-98.2			
4-Nitrophenol	84.9	10	0.78	ug/L	100		84.9	40.5-98.5			
Anthracene	84.2	10	0.56	ug/L	100		84.2	70.6-95.3			
Benzo(a)anthracene	90.6	10	0.50	ug/L	100		90.6	73.7-96.6			
Benzo(a)pyrene	81.1	10	0.41	ug/L	100		81.1	70.9-92.6			
Chrysene	92.4	10	0.61	ug/L	100		92.4	71.8-97.5			
Fluoranthene	92.7	10	0.61	ug/L	100		92.7	73.6-96.8			
Fluorene	94.3	10	0.52	ug/L	100		94.3	69.3-93.3			L1a
N-Nitrosodi-n-propylamine	66.0	10	0.25	ug/L	100		66.0	65.9-89.3			
Pentachlorophenol	85.6	10	0.90	ug/L	100		85.6	55-107			
Phenanthrene	87.2	10	0.35	ug/L	100		87.2	72.5-97.6			
Phenol	63.7	10	0.41	ug/L	100		63.7	34.1-71.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	86.6			ug/L	100		86.6	30-122			
<i>Surrogate: 2-Fluorobiphenyl</i>	75.6			ug/L	100		75.6	39.2-104			
<i>Surrogate: 2-Fluorophenol</i>	67.2			ug/L	100		67.2	30-80.1			
<i>Surrogate: Nitrobenzene-d5</i>	70.3			ug/L	100		70.3	51.2-103			
<i>Surrogate: Phenol-d6</i>	67.0			ug/L	100		67.0	30-75.3			
<i>Surrogate: Terphenyl-d14</i>	74.7			ug/L	100		74.7	30-116			

LCS Dup (B1J2409-BSD1)

Prepared: 10/24/11 Analyzed: 10/26/11

Q9, QM-10

1,2,4-Trichlorobenzene	62.9	10	0.30	ug/L	100		62.9	47.4-88.7	5.88	20	
1,4-Dichlorobenzene	64.5	10	0.29	ug/L	100		64.5	39.5-81	6.80	20	
2,4-Dinitrotoluene	88.5	10	0.45	ug/L	100		88.5	67.2-99.3	1.33	20	
2-Chlorophenol	71.8	10	0.39	ug/L	100		71.8	56.5-85.9	1.69	20	
4-Chloro-3-methylphenol	77.2	10	0.48	ug/L	100		77.2	62.1-98.2	0.386	20	
4-Nitrophenol	86.4	10	0.78	ug/L	100		86.4	40.5-98.5	1.69	20	
Anthracene	84.8	10	0.56	ug/L	100		84.8	70.6-95.3	0.692	20	
Benzo(a)anthracene	92.0	10	0.50	ug/L	100		92.0	73.7-96.6	1.54	20	
Benzo(a)pyrene	82.9	10	0.41	ug/L	100		82.9	70.9-92.6	2.23	20	
Chrysene	93.7	10	0.61	ug/L	100		93.7	71.8-97.5	1.37	20	
Fluoranthene	94.0	10	0.61	ug/L	100		94.0	73.6-96.8	1.36	20	
Fluorene	95.1	10	0.52	ug/L	100		95.1	69.3-93.3	0.882	20	L1a
N-Nitrosodi-n-propylamine	67.5	10	0.25	ug/L	100		67.5	65.9-89.3	2.26	20	
Pentachlorophenol	87.8	10	0.90	ug/L	100		87.8	55-107	2.49	20	
Phenanthrene	87.3	10	0.35	ug/L	100		87.3	72.5-97.6	0.146	20	
Phenol	64.5	10	0.41	ug/L	100		64.5	34.1-71.6	1.20	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2409 - EPA 3510C (Sep Funnel)

LCS Dup (B1J2409-BSD1)

Prepared: 10/24/11 Analyzed: 10/26/11

Q9, QM-10

Surrogate: 2,4,6-Tribromophenol	86.6			ug/L	100		86.6	30-122			
Surrogate: 2-Fluorobiphenyl	77.2			ug/L	100		77.2	39.2-104			
Surrogate: 2-Fluorophenol	68.2			ug/L	100		68.2	30-80.1			
Surrogate: Nitrobenzene-d5	70.2			ug/L	100		70.2	51.2-103			
Surrogate: Phenol-d6	67.8			ug/L	100		67.8	30-75.3			
Surrogate: Terphenyl-d14	75.4			ug/L	100		75.4	30-116			

Matrix Spike (B1J2409-MS1)

Source: 1105090-01

Prepared & Analyzed: 10/24/11

1,2,4-Trichlorobenzene	68.2	10	0.30	ug/L	101	<10	67.8	39.2-90.6			
1,4-Dichlorobenzene	70.8	10	0.29	ug/L	101	<10	70.5	34.1-81.6			
2,4-Dinitrotoluene	83.4	10	0.45	ug/L	101	<10	83.0	41.1-110			
2-Chlorophenol	70.1	10	0.39	ug/L	101	<10	69.7	30-96.4			
4-Chloro-3-methylphenol	74.4	10	0.48	ug/L	101	<10	74.1	30-113			
4-Nitrophenol	82.9	10	0.78	ug/L	101	<10	82.4	30-112			
Anthracene	77.5	10	0.56	ug/L	101	<10	77.1	30-119			
Benzo(a)anthracene	82.1	10	0.50	ug/L	101	<10	81.7	30-122			
Benzo(a)pyrene	75.0	10	0.41	ug/L	101	<10	74.6	30-118			
Chrysene	84.8	10	0.61	ug/L	101	<10	84.3	30-125			
Fluoranthene	82.5	10	0.61	ug/L	101	<10	82.1	31.6-119			
Fluorene	80.8	10	0.52	ug/L	101	<10	80.4	40.8-107			
N-Nitrosodi-n-propylamine	68.4	10	0.25	ug/L	101	<10	68.1	47.2-94.8			
Pentachlorophenol	91.0	10	0.90	ug/L	101	<10	90.6	30-130			
Phenanthrene	79.6	10	0.35	ug/L	101	<10	79.2	38.2-117			
Phenol	60.5	10	0.41	ug/L	101	<10	60.2	30-80			
Surrogate: 2,4,6-Tribromophenol	86.6			ug/L	101		86.1	30-122			
Surrogate: 2-Fluorobiphenyl	78.3			ug/L	101		77.9	39.2-104			
Surrogate: 2-Fluorophenol	65.7			ug/L	101		65.4	30-80.1			
Surrogate: Nitrobenzene-d5	70.3			ug/L	101		70.0	51.2-103			
Surrogate: Phenol-d6	65.5			ug/L	101		65.1	30-75.3			
Surrogate: Terphenyl-d14	72.6			ug/L	101		72.3	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Blank (B1J2502-BLK1)

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Blank (B1J2502-BLK1)

Prepared & Analyzed: 10/25/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.71			mg/kg wet	6.67		70.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.09			mg/kg wet	6.67		61.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.61			mg/kg wet	6.67		54.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.54			mg/kg wet	6.67		53.1	48.9-100			
Surrogate: Phenol-d6	4.11			mg/kg wet	6.67		61.6	50.4-99.6			
Surrogate: Terphenyl-d14	3.83			mg/kg wet	6.67		57.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

LCS (B1J2502-BS1)

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.39	0.33	0.031	mg/kg wet	6.67		65.8	59.1-87.7			
1,4-Dichlorobenzene	4.25	0.33	0.029	mg/kg wet	6.67		63.8	50.3-72.9			
2,4-Dinitrotoluene	4.71	0.33	0.035	mg/kg wet	6.67		70.6	59.8-82.2			
2-Chlorophenol	4.53	0.67	0.060	mg/kg wet	6.67		67.9	59.7-77.3			
4-Chloro-3-methylphenol	4.77	0.67	0.066	mg/kg wet	6.67		71.5	63.6-80.4			
4-Nitrophenol	4.91	0.67	0.093	mg/kg wet	6.67		73.7	57.3-84.9			
Anthracene	5.41	0.33	0.036	mg/kg wet	6.67		81.2	67.3-88			
Benzo(a)anthracene	5.25	0.33	0.041	mg/kg wet	6.67		78.7	66.5-90.5			
Benzo(a)pyrene	5.18	0.33	0.042	mg/kg wet	6.67		77.8	66.1-89.7			
Chrysene	5.20	0.33	0.044	mg/kg wet	6.67		78.0	65.5-90.5			
Fluoranthene	5.36	0.33	0.039	mg/kg wet	6.67		80.3	66.7-89.9			
Fluorene	4.95	0.33	0.035	mg/kg wet	6.67		74.2	66.2-85.6			
N-Nitrosodi-n-propylamine	4.52	0.33	0.033	mg/kg wet	6.67		67.9	59.4-78			
Pentachlorophenol	4.21	0.67	0.078	mg/kg wet	6.67		63.2	46.7-83.2			
Phenanthrene	5.38	0.33	0.036	mg/kg wet	6.67		80.7	67.5-87.9			
Phenol	4.34	0.67	0.069	mg/kg wet	6.67		65.2	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.05			mg/kg wet	6.67		75.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.78			mg/kg wet	6.67		71.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.70			mg/kg wet	6.67		70.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.25			mg/kg wet	6.67		63.7	48.9-100			
Surrogate: Phenol-d6	4.89			mg/kg wet	6.67		73.4	50.4-99.6			
Surrogate: Terphenyl-d14	4.43			mg/kg wet	6.67		66.5	51-99.6			

Matrix Spike (B1J2502-MS1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.34	0.34	0.032	mg/kg dry	6.88	<0.34	63.1	44.8-97.9			
1,4-Dichlorobenzene	4.21	0.34	0.030	mg/kg dry	6.88	<0.34	61.3	42.3-77.9			
2,4-Dinitrotoluene	4.73	0.34	0.036	mg/kg dry	6.88	<0.34	68.9	57.3-86.6			
2-Chlorophenol	4.50	0.68	0.061	mg/kg dry	6.88	<0.68	65.5	43.3-93.2			
4-Chloro-3-methylphenol	4.85	0.68	0.067	mg/kg dry	6.88	<0.68	70.5	47.1-97.6			
4-Nitrophenol	4.95	0.68	0.095	mg/kg dry	6.88	<0.68	72.0	49.3-96.2			
Anthracene	5.58	0.34	0.037	mg/kg dry	6.88	<0.34	81.1	67.5-93.1			
Benzo(a)anthracene	5.35	0.34	0.042	mg/kg dry	6.88	<0.34	77.9	59.8-95.7			
Benzo(a)pyrene	5.41	0.34	0.043	mg/kg dry	6.88	<0.34	78.7	59.8-92.7			
Chrysene	5.35	0.34	0.045	mg/kg dry	6.88	<0.34	77.8	62.5-94.6			
Fluoranthene	5.44	0.34	0.040	mg/kg dry	6.88	<0.34	79.1	61.3-92.8			
Fluorene	4.93	0.34	0.036	mg/kg dry	6.88	<0.34	71.7	62.8-92.6			
N-Nitrosodi-n-propylamine	4.41	0.34	0.034	mg/kg dry	6.88	<0.34	64.1	46.9-89.9			
Pentachlorophenol	4.72	0.68	0.080	mg/kg dry	6.88	<0.68	68.6	40.1-95.1			
Phenanthrene	5.51	0.34	0.037	mg/kg dry	6.88	<0.34	80.1	65.2-92.2			
Phenol	4.26	0.68	0.070	mg/kg dry	6.88	<0.68	62.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Matrix Spike (B1J2502-MS1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

Surrogate: 2,4,6-Tribromophenol	5.33			mg/kg dry	6.88		77.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.87			mg/kg dry	6.88		70.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.42			mg/kg dry	6.88		64.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.32			mg/kg dry	6.88		62.9	48.9-100			
Surrogate: Phenol-d6	4.65			mg/kg dry	6.88		67.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.63			mg/kg dry	6.88		67.4	51-99.6			

Matrix Spike Dup (B1J2502-MSD1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.27	0.34	0.032	mg/kg dry	6.85	<0.34	62.3	44.8-97.9	1.58	19.6	
1,4-Dichlorobenzene	4.06	0.34	0.030	mg/kg dry	6.85	<0.34	59.2	42.3-77.9	3.77	22.4	
2,4-Dinitrotoluene	4.70	0.34	0.036	mg/kg dry	6.85	<0.34	68.6	57.3-86.6	0.652	19.5	
2-Chlorophenol	4.35	0.68	0.061	mg/kg dry	6.85	<0.68	63.5	43.3-93.2	3.34	23.7	
4-Chloro-3-methylphenol	4.65	0.68	0.067	mg/kg dry	6.85	<0.68	67.9	47.1-97.6	4.06	18.3	
4-Nitrophenol	4.95	0.68	0.095	mg/kg dry	6.85	<0.68	72.3	49.3-96.2	0.0213	20.4	
Anthracene	5.50	0.34	0.037	mg/kg dry	6.85	<0.34	80.2	67.5-93.1	1.48	19.9	
Benzo(a)anthracene	5.31	0.34	0.042	mg/kg dry	6.85	<0.34	77.5	59.8-95.7	0.830	23.4	
Benzo(a)pyrene	5.43	0.34	0.043	mg/kg dry	6.85	<0.34	79.3	59.8-92.7	0.417	21.1	
Chrysene	5.43	0.34	0.045	mg/kg dry	6.85	<0.34	79.2	62.5-94.6	1.48	24.8	
Fluoranthene	5.40	0.34	0.040	mg/kg dry	6.85	<0.34	78.8	61.3-92.8	0.721	21.8	
Fluorene	4.80	0.34	0.036	mg/kg dry	6.85	<0.34	70.0	62.8-92.6	2.63	17.6	
N-Nitrosodi-n-propylamine	4.31	0.34	0.034	mg/kg dry	6.85	<0.34	62.9	46.9-89.9	2.12	18.9	
Pentachlorophenol	4.45	0.68	0.080	mg/kg dry	6.85	<0.68	64.9	40.1-95.1	5.93	19.7	
Phenanthrene	5.37	0.34	0.037	mg/kg dry	6.85	<0.34	78.3	65.2-92.2	2.53	20.5	
Phenol	4.17	0.68	0.070	mg/kg dry	6.85	<0.68	60.8	44.7-91	2.22	17.9	
Surrogate: 2,4,6-Tribromophenol	5.35			mg/kg dry	6.85		78.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.82			mg/kg dry	6.85		70.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.51			mg/kg dry	6.85		65.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.38			mg/kg dry	6.85		63.9	48.9-100			
Surrogate: Phenol-d6	4.63			mg/kg dry	6.85		67.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.75			mg/kg dry	6.85		69.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2011 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2011-BLK1)

Prepared & Analyzed: 10/20/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2011 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2011-BLK1)

Prepared & Analyzed: 10/20/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	50.2			ug/L	50.0		100	80-124			
Surrogate: Dibromofluoromethane	48.2			ug/L	50.0		96.3	77.1-123			
Surrogate: Toluene-d8	48.3			ug/L	50.0		96.6	78.1-125			

LCS (B1J2011-BS1)

Prepared & Analyzed: 10/20/11

1,1,2,2-Tetrachloroethane	43.8			ug/L	50.0		87.5	75-120			
1,1-Dichloroethane	44.5			ug/L	50.0		88.9	79.6-120			
1,1-Dichloroethene	44.6			ug/L	50.0		89.3	78.3-120			
1,3,5-Trimethylbenzene	43.7			ug/L	50.0		87.5	77-120			
1,4-Dichlorobenzene	46.1			ug/L	50.0		92.1	75-125			
2-Chlorotoluene	47.4			ug/L	50.0		94.8	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2011 - EPA 5035 Soil (Purge and Trap)

LCS (B1J2011-BS1)

Prepared & Analyzed: 10/20/11

Benzene	41.2			ug/L	50.0		82.4	80-120			
Bromoform	53.2			ug/L	50.0		106	80-120			
Chlorobenzene	50.6			ug/L	50.0		101	80-120			
Chloroform	44.1			ug/L	50.0		88.3	80-120			
Ethylbenzene	54.8			ug/L	50.0		110	80-120			
n-Butylbenzene	47.1			ug/L	50.0		94.3	75-125			
n-Propylbenzene	48.5			ug/L	50.0		97.1	75-120			
Toluene	49.3			ug/L	50.0		98.7	80-120			
Trichloroethene	48.2			ug/L	50.0		96.5	80-120			
Vinyl chloride	47.1			ug/L	50.0		94.1	75-130			
Surrogate: 4-Bromofluorobenzene	49.4			ug/L	50.0		98.9	80-124			
Surrogate: Dibromofluoromethane	47.7			ug/L	50.0		95.5	77.1-123			
Surrogate: Toluene-d8	48.3			ug/L	50.0		96.6	78.1-125			

Matrix Spike (B1J2011-MS1)

Source: 1105073-01

Prepared & Analyzed: 10/20/11

1,1,2,2-Tetrachloroethane	42.6			ug/L	50.0	<	85.1	75-125			
1,1-Dichloroethane	44.6			ug/L	50.0	<	89.3	78.7-123			
1,1-Dichloroethene	42.9			ug/L	50.0	<	85.8	75.8-121			
1,3,5-Trimethylbenzene	44.2			ug/L	50.0	<	88.4	75-120			
1,4-Dichlorobenzene	45.0			ug/L	50.0	<	89.9	75-125			
2-Chlorotoluene	46.6			ug/L	50.0	<	93.1	75-120			
Benzene	41.1			ug/L	50.0	<	82.1	80-120			
Bromoform	51.0			ug/L	50.0	<	102	80-120			
Chlorobenzene	49.2			ug/L	50.0	<	98.3	80-120			
Chloroform	44.0			ug/L	50.0	<	87.9	80-120			
Ethylbenzene	53.5			ug/L	50.0	<	107	80-120			
n-Butylbenzene	46.2			ug/L	50.0	<	92.5	73.8-125			
n-Propylbenzene	47.9			ug/L	50.0	<	95.7	75-120			
Toluene	48.7			ug/L	50.0	<	97.3	80-120			
Trichloroethene	47.4			ug/L	50.0	<	94.8	80-120			
Vinyl chloride	46.4			ug/L	50.0	<	92.8	74.8-130			
Surrogate: 4-Bromofluorobenzene	49.4			ug/L	50.0		98.9	80-124			
Surrogate: Dibromofluoromethane	47.3			ug/L	50.0		94.6	77.1-123			
Surrogate: Toluene-d8	48.0			ug/L	50.0		96.0	78.1-125			

Matrix Spike Dup (B1J2011-MSD1)

Source: 1105073-01

Prepared & Analyzed: 10/20/11

1,1,2,2-Tetrachloroethane	41.3			ug/L	50.0	<	82.6	75-125	2.93	20	
1,1-Dichloroethane	42.8			ug/L	50.0	<	85.7	78.7-123	4.08	20	
1,1-Dichloroethene	42.1			ug/L	50.0	<	84.3	75.8-121	1.78	20	
1,3,5-Trimethylbenzene	42.9			ug/L	50.0	<	85.7	75-120	3.09	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2011 - EPA 5035 Soil (Purge and Trap)

Matrix Spike Dup (B1J2011-MSD1)

Source: 1105073-01

Prepared & Analyzed: 10/20/11

1,4-Dichlorobenzene	43.3			ug/L	50.0	<	86.5	75-125	3.86	20	
2-Chlorotoluene	44.7			ug/L	50.0	<	89.4	75-120	4.03	20	
Benzene	40.1			ug/L	50.0	<	80.2	80-120	2.43	20	
Bromoform	50.4			ug/L	50.0	<	101	80-120	1.26	20	
Chlorobenzene	48.0			ug/L	50.0	<	96.0	80-120	2.41	20	
Chloroform	42.7			ug/L	50.0	<	85.5	80-120	2.79	20	
Ethylbenzene	51.6			ug/L	50.0	<	103	80-120	3.70	20	
n-Butylbenzene	44.1			ug/L	50.0	<	88.1	73.8-125	4.81	20	
n-Propylbenzene	45.4			ug/L	50.0	<	90.9	75-120	5.22	20	
Toluene	47.5			ug/L	50.0	<	95.0	80-120	2.36	20	
Trichloroethene	46.1			ug/L	50.0	<	92.2	80-120	2.78	20	
Vinyl chloride	43.9			ug/L	50.0	<	87.7	74.8-130	5.62	20	
Surrogate: 4-Bromofluorobenzene	50.2			ug/L	50.0		100	80-124			
Surrogate: Dibromofluoromethane	47.2			ug/L	50.0		94.4	77.1-123			
Surrogate: Toluene-d8	47.4			ug/L	50.0		94.7	78.1-125			

Batch B1J2707 - EPA 5030 Water (Purge and Trap)

Blank (B1J2707-BLK1)

Prepared & Analyzed: 10/26/11

1,1,1,2-Tetrachloroethane	< 0.29	1.0	0.29	ug/L							
1,1,1-Trichloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2,2-Tetrachloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2-Trichloroethane	< 0.19	1.0	0.19	ug/L							
1,1,2-Trichlorotrifluoroethane	< 0.25	1.0	0.25	ug/L							
1,1-Dichloroethane	< 0.15	1.0	0.15	ug/L							
1,1-Dichloroethene	< 0.24	1.0	0.24	ug/L							
1,1-Dichloropropene	< 0.14	1.0	0.14	ug/L							
1,2,3-Trichlorobenzene	< 0.35	5.0	0.35	ug/L							
1,2,3-Trichloropropane	< 0.22	2.5	0.22	ug/L							
1,2,4-Trichlorobenzene	< 0.30	5.0	0.30	ug/L							
1,2,4-Trimethylbenzene	< 0.072	1.0	0.072	ug/L							
1,2-Dibromo-3-chloropropane	< 0.40	5.0	0.40	ug/L							
1,2-Dibromoethane (EDB)	< 0.15	2.5	0.15	ug/L							
1,2-Dichlorobenzene	< 0.12	1.0	0.12	ug/L							
1,2-Dichloroethane	< 0.26	1.0	0.26	ug/L							
1,2-Dichloropropane	< 0.19	1.0	0.19	ug/L							
1,3,5-Trimethylbenzene	< 0.11	1.0	0.11	ug/L							
1,3-Dichlorobenzene	< 0.15	1.0	0.15	ug/L							
1,3-Dichloropropane	< 0.16	1.0	0.16	ug/L							
1,4-Dichlorobenzene	< 0.081	1.0	0.081	ug/L							
2,2-Dichloropropane	< 0.66	5.0	0.66	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2707 - EPA 5030 Water (Purge and Trap)

Blank (B1J2707-BLK1)

Prepared & Analyzed: 10/26/11

2-Butanone	< 0.65	20	0.65	ug/L							
2-Chlorotoluene	< 0.081	1.0	0.081	ug/L							
4-Chlorotoluene	< 0.11	1.0	0.11	ug/L							
Acetone	< 3.8	20	3.8	ug/L							
Allyl chloride	< 0.51	5.0	0.51	ug/L							
Benzene	< 0.071	1.0	0.071	ug/L							
Bromobenzene	< 0.082	1.0	0.082	ug/L							
Bromochloromethane	< 0.20	1.0	0.20	ug/L							
Bromodichloromethane	< 0.23	1.0	0.23	ug/L							
Bromoform	< 0.26	5.0	0.26	ug/L							
Bromomethane	< 0.32	5.0	0.32	ug/L							
Carbon tetrachloride	< 0.15	1.0	0.15	ug/L							
Chlorobenzene	< 0.20	1.0	0.20	ug/L							
Chloroethane	< 0.27	2.5	0.27	ug/L							
Chloroform	< 0.15	1.0	0.15	ug/L							
Chloromethane	< 0.24	2.5	0.24	ug/L							
cis-1,2-Dichloroethene	< 0.12	1.0	0.12	ug/L							
cis-1,3-Dichloropropene	< 0.18	1.0	0.18	ug/L							
Dibromochloromethane	< 0.26	2.5	0.26	ug/L							
Dibromomethane	< 0.24	2.5	0.24	ug/L							
Dichlorodifluoromethane	< 0.25	5.0	0.25	ug/L							
Dichlorofluoromethane	< 0.21	1.0	0.21	ug/L							
Ethyl ether	< 0.27	5.0	0.27	ug/L							
Ethylbenzene	< 0.28	1.0	0.28	ug/L							
Hexachlorobutadiene	< 0.42	10	0.42	ug/L							
Isopropylbenzene	< 0.12	1.0	0.12	ug/L							
m,p-Xylene	< 0.57	2.0	0.57	ug/L							
Methyl isobutyl ketone	< 0.40	5.0	0.40	ug/L							
Methyl tert-butyl ether	< 0.16	1.0	0.16	ug/L							
Methylene chloride	2.81	5.0	0.85	ug/L							B-02, J
Naphthalene	< 0.30	5.0	0.30	ug/L							
n-Butylbenzene	< 0.15	2.5	0.15	ug/L							
n-Propylbenzene	< 0.094	1.0	0.094	ug/L							
o-Xylene	< 0.19	1.0	0.19	ug/L							
p-Isopropyltoluene	< 0.14	2.5	0.14	ug/L							
sec-Butylbenzene	< 0.11	1.0	0.11	ug/L							
Styrene	< 0.21	1.0	0.21	ug/L							
tert-Butylbenzene	< 0.091	1.0	0.091	ug/L							
Tetrachloroethene	< 0.28	1.0	0.28	ug/L							

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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2707 - EPA 5030 Water (Purge and Trap)

Blank (B1J2707-BLK1)

Prepared & Analyzed: 10/26/11

Tetrahydrofuran	< 0.75	20	0.75	ug/L							
Toluene	< 0.10	1.0	0.10	ug/L							
trans-1,2-Dichloroethene	< 0.056	1.0	0.056	ug/L							
trans-1,3-Dichloropropene	< 0.14	1.0	0.14	ug/L							
Trichloroethene	< 0.18	1.0	0.18	ug/L							
Trichlorofluoromethane	< 0.29	1.0	0.29	ug/L							
Vinyl chloride	< 0.21	1.0	0.21	ug/L							
Surrogate: 4-Bromofluorobenzene	50.7			ug/L	50.0		101	80-121			
Surrogate: Dibromofluoromethane	49.9			ug/L	50.0		99.7	79.9-121			
Surrogate: Toluene-d8	49.7			ug/L	50.0		99.5	80-120			

LCS (B1J2707-BS1)

Prepared & Analyzed: 10/26/11

1,1,1,2-Tetrachloroethane	48.3	1.0	0.16	ug/L	50.0		96.5	80-121			
1,1-Dichloroethane	48.2	1.0	0.15	ug/L	50.0		96.5	80-125			
1,1-Dichloroethene	47.0	1.0	0.24	ug/L	50.0		93.9	80-125			
1,3,5-Trimethylbenzene	49.4	1.0	0.11	ug/L	50.0		98.8	75.4-125			
1,4-Dichlorobenzene	48.9	1.0	0.081	ug/L	50.0		97.9	75-125			
2-Chlorotoluene	48.5	1.0	0.081	ug/L	50.0		96.9	75.4-125			
Benzene	49.6	1.0	0.071	ug/L	50.0		99.2	80-120			
Bromoform	52.4	5.0	0.26	ug/L	50.0		105	80-120			
Chlorobenzene	50.2	1.0	0.20	ug/L	50.0		100	80-120			
Chloroform	48.6	1.0	0.15	ug/L	50.0		97.2	80-123			
Ethylbenzene	50.3	1.0	0.28	ug/L	50.0		101	80-120			
n-Butylbenzene	49.6	2.5	0.15	ug/L	50.0		99.2	75-125			
n-Propylbenzene	49.5	1.0	0.094	ug/L	50.0		98.9	75.8-125			
Toluene	49.4	1.0	0.10	ug/L	50.0		98.7	80-120			
Trichloroethene	49.4	1.0	0.18	ug/L	50.0		98.7	80-120			
Vinyl chloride	52.7	1.0	0.21	ug/L	50.0		105	75-130			
Surrogate: 4-Bromofluorobenzene	50.9			ug/L	50.0		102	80-121			
Surrogate: Dibromofluoromethane	50.4			ug/L	50.0		101	79.9-121			
Surrogate: Toluene-d8	50.8			ug/L	50.0		102	80-120			

Matrix Spike (B1J2707-MS1)

Source: 1105135-01

Prepared & Analyzed: 10/26/11

1,1,1,2-Tetrachloroethane	49.4	1.0	0.16	ug/L	50.0	<1.0	98.8	76.8-125			
1,1-Dichloroethane	49.6	1.0	0.15	ug/L	50.0	<1.0	99.2	80-125			
1,1-Dichloroethene	47.8	1.0	0.24	ug/L	50.0	<1.0	95.6	80-125			
1,3,5-Trimethylbenzene	49.9	1.0	0.11	ug/L	50.0	<1.0	99.8	75-125			
1,4-Dichlorobenzene	49.6	1.0	0.081	ug/L	50.0	<1.0	99.2	75-125			
2-Chlorotoluene	49.0	1.0	0.081	ug/L	50.0	<1.0	98.0	75-125			
Benzene	51.4	1.0	0.071	ug/L	50.0	<1.0	101	80-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2707 - EPA 5030 Water (Purge and Trap)

Matrix Spike (B1J2707-MS1)

Source: 1105135-01

Prepared & Analyzed: 10/26/11

Bromoform	56.2	5.0	0.26	ug/L	50.0	<5.0	112	80-120			
Chlorobenzene	52.4	1.0	0.20	ug/L	50.0	<1.0	105	80-120			
Chloroform	49.6	1.0	0.15	ug/L	50.0	<1.0	99.3	79.8-125			
Ethylbenzene	53.3	1.0	0.28	ug/L	50.0	<1.0	107	80-120			
n-Butylbenzene	49.6	2.5	0.15	ug/L	50.0	<2.5	99.2	75-130			
n-Propylbenzene	48.9	1.0	0.094	ug/L	50.0	<1.0	97.7	75-125			
Toluene	51.2	1.0	0.10	ug/L	50.0	<1.0	102	80-120			
Trichloroethene	49.5	1.0	0.18	ug/L	50.0	<1.0	99.0	80-120			
Vinyl chloride	53.1	1.0	0.21	ug/L	50.0	<1.0	106	75-130			
Surrogate: 4-Bromofluorobenzene	51.3			ug/L	50.0		103	80-121			
Surrogate: Dibromofluoromethane	50.7			ug/L	50.0		101	79.9-121			
Surrogate: Toluene-d8	51.2			ug/L	50.0		102	80-120			

Matrix Spike Dup (B1J2707-MSD1)

Source: 1105135-01

Prepared & Analyzed: 10/26/11

1,1,2,2-Tetrachloroethane	46.6	1.0	0.16	ug/L	50.0	<1.0	93.3	76.8-125	5.81	20	
1,1-Dichloroethane	46.2	1.0	0.15	ug/L	50.0	<1.0	92.4	80-125	7.08	20	
1,1-Dichloroethene	45.3	1.0	0.24	ug/L	50.0	<1.0	90.6	80-125	5.34	20	
1,3,5-Trimethylbenzene	47.1	1.0	0.11	ug/L	50.0	<1.0	94.3	75-125	5.70	20	
1,4-Dichlorobenzene	46.4	1.0	0.081	ug/L	50.0	<1.0	92.8	75-125	6.65	20	
2-Chlorotoluene	46.4	1.0	0.081	ug/L	50.0	<1.0	92.8	75-125	5.38	20	
Benzene	47.9	1.0	0.071	ug/L	50.0	<1.0	93.9	80-120	7.12	20	
Bromoform	49.1	5.0	0.26	ug/L	50.0	<5.0	98.2	80-120	13.4	20	
Chlorobenzene	47.1	1.0	0.20	ug/L	50.0	<1.0	94.3	80-120	10.6	20	
Chloroform	46.9	1.0	0.15	ug/L	50.0	<1.0	93.8	79.8-125	5.67	20	
Ethylbenzene	47.2	1.0	0.28	ug/L	50.0	<1.0	94.4	80-120	12.0	20	
n-Butylbenzene	46.6	2.5	0.15	ug/L	50.0	<2.5	93.1	75-130	6.35	20	
n-Propylbenzene	46.2	1.0	0.094	ug/L	50.0	<1.0	92.4	75-125	5.58	20	
Toluene	47.1	1.0	0.10	ug/L	50.0	<1.0	94.2	80-120	8.30	20	
Trichloroethene	46.5	1.0	0.18	ug/L	50.0	<1.0	93.1	80-120	6.19	20	
Vinyl chloride	51.5	1.0	0.21	ug/L	50.0	<1.0	103	75-130	3.14	20	
Surrogate: 4-Bromofluorobenzene	50.9			ug/L	50.0		102	80-121			
Surrogate: Dibromofluoromethane	50.3			ug/L	50.0		101	79.9-121			
Surrogate: Toluene-d8	51.0			ug/L	50.0		102	80-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105075 Date Reported: 10/28/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
S-02	Surrogate recovery outside of laboratory acceptance limits.
QR-04	The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-11	Spike recovery was outside of laboratory limits
QM-10	LCS/LCSD were analyzed in place of MS/MSD.
Q9	Insufficient sample received to meet method QC requirements.
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
L1a	The associated blank spike recovery was above laboratory acceptance limits.
J	Parameter was present between the MDL and RL and should be considered an estimated value
B-02	Target analyte was present in the method blank between the MDL and RL.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-6803
(952) 852-2600

110 5075

Project Number: 23/19-1092 4805 820
Project Name: Urne East RS - Site Wide

Sample Origination State: MN (use two letter postal state abbreviation)

CDC Number: No 37143

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type
						Water	Soil	Ice	
1. U-LWBC6-SB1	17	17	ft	10/19/11	9:30	X	X	X	OC
2. U-LWBC7-SB1	18	18			10:00	X	X	X	OC
3. U-LWBC7-SB1	23	23			10:10	X	X	X	OC
4. U-LWBB7-SB1	17	17	↓		10:45	X	X	X	OC
5. M-1	-	-	-		-	X	X	X	OC
6. FB-1	-	-	-		-	X	X	X	OC
7. U-LWBB7-SB1	4	4	ft	✓	10:35	X	X	X	OC
8. TB-2									
9.									
10.									

Relinquished By: [Signature] Date: 10/19/11
Relinquished By: [Signature] Date: 10/19/11

Common Parameter/Container - Preservation Key:
 #1 - Volatile Organics = BTEX, GRG TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfide
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

1340
0.0 / creat

Number of Containers/Preservative:
 Water: []
 Soil: []
 Total Number of Containers: []

Project Manager: JME
 Project OC Contact: AAN
 Sampled by: AAN
 Laboratory: Legend

Received by: [Signature] Date: 10/19/11 Time: 12:40
 Air Bill Number: []



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 28, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105078
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/19/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink that reads "Dan Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105078 Date Reported: 10/28/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OP-SB1_5-5	1105078-01	Soil	10/18/11 09:00	10/19/11 12:40
CAP-SB1_3-3	1105078-04	Soil	10/18/11 09:45	10/19/11 12:40
CAP-SB2_5-5	1105078-07	Soil	10/18/11 10:30	10/19/11 12:40
301ALP-SB1_4-4	1105078-10	Soil	10/18/11 12:20	10/19/11 12:40
303A-SB1_4-4	1105078-12	Soil	10/18/11 13:00	10/19/11 12:40

Shipping Container Information

Default Cooler	Temperature (°C):	
Received on ice: Yes	Temperature blank was not present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: Yes		

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105078 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-SB1_5-5 (1105078-01) Soil Sampled: 10/18/11 09:00 Received: 10/19/11 12:40										
Arsenic	1.5	0.50	0.055	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Barium	16	1.0	0.060	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	10	0.50	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.7	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	0.13	0.094	0.018	mg/kg dry	1	B1J2510	10/25/11	10/28/11	EPA 7471A	
Selenium	<1.0	1.0	0.095	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
CAP-SB1_3-3 (1105078-04) Soil Sampled: 10/18/11 09:45 Received: 10/19/11 12:40										
Arsenic	1.8	0.51	0.056	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Barium	18	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	7.2	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.6	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.087	0.087	0.017	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
CAP-SB2_5-5 (1105078-07) Soil Sampled: 10/18/11 10:30 Received: 10/19/11 12:40										
Arsenic	1.5	0.51	0.056	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Barium	16	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	6.5	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	3.8	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.017	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
301ALP-SB1_4-4 (1105078-10) Soil Sampled: 10/18/11 12:20 Received: 10/19/11 12:40										
Arsenic	1.6	0.48	0.053	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Barium	37	0.96	0.058	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	8.2	0.48	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.9	0.96	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.089	0.089	0.017	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<0.96	0.96	0.092	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
303A-SB1_4-4 (1105078-12) Soil Sampled: 10/18/11 13:00 Received: 10/19/11 12:40										
Arsenic	2.0	0.51	0.056	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105078 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-SB1_4-4 (1105078-12) Soil Sampled: 10/18/11 13:00 Received: 10/19/11 12:40										
Barium	23	1.0	0.061	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.0	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.9	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.091	0.091	0.017	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105078 Date Reported: 10/28/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OP-SB1_5-5 (1105078-01) Soil Sampled: 10/18/11 09:00 Received: 10/19/11 12:40										
% Solids	100			%	1	B1J2705	10/27/11	10/27/11	% calculation	
CAP-SB1_3-3 (1105078-04) Soil Sampled: 10/18/11 09:45 Received: 10/19/11 12:40										
% Solids	99			%	1	B1J2705	10/27/11	10/27/11	% calculation	
CAP-SB2_5-5 (1105078-07) Soil Sampled: 10/18/11 10:30 Received: 10/19/11 12:40										
% Solids	99			%	1	B1J2705	10/27/11	10/27/11	% calculation	
301ALP-SB1_4-4 (1105078-10) Soil Sampled: 10/18/11 12:20 Received: 10/19/11 12:40										
% Solids	98			%	1	B1J2705	10/27/11	10/27/11	% calculation	
303A-SB1_4-4 (1105078-12) Soil Sampled: 10/18/11 13:00 Received: 10/19/11 12:40										
% Solids	98			%	1	B1J2705	10/27/11	10/27/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105078 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2101 - EPA 3050B

Blank (B1J2101-BLK1)

Prepared & Analyzed: 10/21/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J2101-BS1)

Prepared & Analyzed: 10/21/11

Arsenic	40.7	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.2	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	41.2	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1J2101-BSD1)

Prepared & Analyzed: 10/21/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		102	80-120	0.500	20	
Barium	41.5	1.0	0.060	mg/kg wet	39.9		104	80-120	1.68	20	
Cadmium	40.9	0.25	0.033	mg/kg wet	39.9		102	80-120	0.686	20	
Chromium	41.4	0.50	0.012	mg/kg wet	39.9		104	80-120	0.411	20	
Lead	41.8	1.0	0.14	mg/kg wet	39.9		105	80-120	0.269	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	0.738	20	
Silver	4.13	0.25	0.016	mg/kg wet	3.99		103	80-120	0.716	20	

Matrix Spike (B1J2101-MS1)

Source: 1105096-01

Prepared & Analyzed: 10/21/11

Arsenic	40.3	0.51	0.056	mg/kg dry	39.2	1.26	99.7	75-125			
Barium	59.7	1.0	0.061	mg/kg dry	39.2	15.5	113	75-125			
Cadmium	39.2	0.26	0.034	mg/kg dry	39.2	<0.26	99.8	75-125			
Chromium	45.4	0.51	0.012	mg/kg dry	39.2	5.77	101	75-125			
Lead	39.4	1.0	0.14	mg/kg dry	39.2	1.36	97.1	75-125			
Selenium	38.8	1.0	0.097	mg/kg dry	39.2	<1.0	99.0	75-125			
Silver	3.88	0.26	0.016	mg/kg dry	3.92	<0.26	99.1	75-125			

Matrix Spike Dup (B1J2101-MSD1)

Source: 1105096-01

Prepared & Analyzed: 10/21/11

Arsenic	42.0	0.51	0.056	mg/kg dry	40.0	1.26	102	75-125	3.97	20	
Barium	53.3	1.0	0.061	mg/kg dry	40.0	15.5	94.5	75-125	11.3	20	
Cadmium	41.1	0.26	0.034	mg/kg dry	40.0	<0.26	103	75-125	4.68	20	
Chromium	44.7	0.51	0.012	mg/kg dry	40.0	5.77	97.3	75-125	1.71	20	
Lead	40.8	1.0	0.14	mg/kg dry	40.0	1.36	98.7	75-125	3.53	20	
Selenium	40.6	1.0	0.097	mg/kg dry	40.0	<1.0	102	75-125	4.55	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105078 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2101 - EPA 3050B											
Matrix Spike Dup (B1J2101-MSD1) Source: 1105096-01 Prepared & Analyzed: 10/21/11											
Silver	4.11	0.26	0.016	mg/kg dry	4.00	<0.26	103	75-125	5.59	20	
Batch B1J2510 - EPA 7471A											
Blank (B1J2510-BLK1) Prepared: 10/25/11 Analyzed: 10/27/11											
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J2510-BS1) Prepared: 10/25/11 Analyzed: 10/27/11											
Mercury	0.187	0.10	0.019	mg/kg wet	0.200		93.5	80-120			
LCS Dup (B1J2510-BSD1) Prepared: 10/25/11 Analyzed: 10/27/11											
Mercury	0.203	0.10	0.019	mg/kg wet	0.200		102	80-120	8.21	20	
Matrix Spike (B1J2510-MS1) Source: 1105075-01 Prepared: 10/25/11 Analyzed: 10/27/11											
Mercury	0.200	0.087	0.017	mg/kg dry	0.174	<0.087	115	75-125			
Matrix Spike Dup (B1J2510-MSD1) Source: 1105075-01 Prepared: 10/25/11 Analyzed: 10/27/11											
Mercury	0.207	0.10	0.019	mg/kg dry	0.207	<0.10	100	75-125	3.49	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105078 Date Reported: 10/28/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J2705 - General Preparation												
Duplicate (B1J2705-DUP1)							Source: 1105068-03					Prepared & Analyzed: 10/27/11
% Solids	88.0			%		88.0			0.00	20		
Duplicate (B1J2705-DUP2)							Source: 1105071-09					Prepared & Analyzed: 10/27/11
% Solids	99.0			%		99.0			0.00	20		
Duplicate (B1J2705-DUP3)							Source: 1105078-12					Prepared & Analyzed: 10/27/11
% Solids	98.0			%		98.0			0.00	20		
Duplicate (B1J2705-DUP4)							Source: 1105164-03					Prepared & Analyzed: 10/27/11
% Solids	95.0			%		95.0			0.00	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105078 Date Reported: 10/28/11
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Notes and Definitions

<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4893
(952) 832-2600

Project Number: 23/19-1092 48RE 820
Project Name: Ume West RE - Gow East
Sample Origination State: MN (use two letter postal state abbreviation)
COC Number: **NO 37391**

1105078

COC _____ of _____
Project Manager: JME
Project QC Contact: AAN
Sampled by: AAN
Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Ice?	Date	Received by:	Date	Time
						%	Type					
1. OP-SB1	5	5	ft	10/18/2011	9:00	X	X	N	10/19/11			
2. OP-SB1	12	12			9:05	X	X	N				
3. OP-SB1	16	16			9:10	X	X	N				
4. CAP-SB1	3	3			9:45	X	X	N				
5. CAP-SB1	12	12			9:50	X	X	N				
6. CAP-SB1	18	18			9:55	X	X	N				
7. CAP-SB2	5	5			10:30	X	X	N				
8. CAP-SB2	12	12			10:35	X	X	N				
9. CAP-SB2	16	16			10:40	X	X	N				
10.												

Relinquished by: [Signature] Date: 10/19/11
Relinquished by: [Signature] Date: 10/19/11

Received by: [Signature] Date: 10/19/11 Time: 10:40

Samples Shipped VIA: Air Freight Federal Express Sampler Other

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRX, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

D.O. / Out

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

BARR

Project Number: 2319-1092 48RE 820
 Project Name: Under East RE - Cow East
 Sample Origin: State MN (use two letter postal state abbreviation)
 COC Number: **No 37396**

110507X

COC 2 of 2
 Project Manager: JME
 Project QC Contact: AAN
 Sampled by: AAN
 Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type	Total Number of Containers
						Water	Soil	Grab		
1. 301ALP-SB1	4	4	FT	10/18/11	12:20	X	X	X	GC	1
2. 301ALP-SB1	10	10	FT	10/18/11	12:25	X	X	X	GC	1
3. 303A-SB1	4	4		10/18/11	13:00	X	X	X	GC	1
4. 303A-SB1	12	12		10/18/11	13:05	X	X	X	GC	1
5. 303A-SB1	16	16		10/18/11	13:10	X	X	X	GC	1
6. 10/19/11				10/19/11						
7.										
8.										
9.										
10.										

Number of Containers/Preservative

Water	Soil
VOCs (HCl) #1	
VOCs (unpreserved) #2	
Dissolved Metals (HNO3)	
Total Metals (HNO3)	
General (unpreserved) #3	
Diesel Range Organics (BCL)	
Nutrients (H2SO4) #4	
VOCs (Iated MeOH) #1	
GRO, BTEX (Iated MeOH) #2	
DRO (Iated unpreserved)	
Metals (unpreserved)	
SVOs (unpreserved) #2	
S Solids (Iated MeOH)	

Received by: [Signature] Date: 10/19/11 Time: 12:40
Received by: [Signature] Date: 10/19/11 Time: 12:40

Relinquished by: [Signature] Date: 10/19/11
Relinquished by: [Signature] Date: 10/19/11

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phosphorus, Ammonia Nitrogen, TKN

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10/19/11

12:40

10/19/11

12:40

10/19/11

12:40



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 28, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105079
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/19/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "T-LE".

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
U-LWBC7-SB3_11-11	1105079-01	Soil	10/18/11 11:30	10/19/11 12:40
M-1	1105079-02	Soil	10/18/11 00:00	10/19/11 12:40
Trip Blank	1105079-03	Methanol	10/18/11 00:00	10/19/11 12:40

Shipping Container Information

Default Cooler	Temperature (°C):	
Received on ice: Yes	Temperature blank was not present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: Yes		

Case Narrative:

Recovery for 8270 matrix spike compound phenanthrene was above laboratory limits in the batch B1J2001 MSD. The MS/MSD source sample was not associated with this work order. All target analytes were within limits in the LCS/MS.

Di-n-butylphthalate was detected in the method blank between the MDL and RL for 8270 batch B1J2001. Samples with di-n-butylphthalate detections less than or equal to 10 times the blank contamination are qualified.

Recoveries of the 8082 surrogate decachlorobiphenyl, surrogate tetrachloro-meta-xylene, and Aroclor 1260 in the batch B1J2406 MSD and the corresponding %RPD were outside laboratory acceptance limits. Recoveries of the surrogates and spike were within limits in the LCS/MS. The source sample was not associated with this work order.

Recoveries for ethylbenzene in the batch B1J2441 MS/MSD was above 8260 laboratory limits but within limits in the LCS. The MS/MSD source sample was U-LWBC7-SB3_11-11

Acetone and tetrahydrofuran were detected in the 8260 batch B1J2441 BLK between the MDL and RL. Samples with acetone and tetrahydrofuran detections less than or equal to 10 times the blank contamination are qualified.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-SB3_11-11 (1105079-01) Soil Sampled: 10/18/11 11:30 Received: 10/19/11 12:40										
Arsenic	1.7	0.51	0.056	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Barium	20	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	7.1	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.7	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.088	0.088	0.017	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-SB3_11-11 (1105079-01) Soil Sampled: 10/18/11 11:30 Received: 10/19/11 12:40										
Aroclor 1016	<0.20	0.20	0.0081	mg/kg dry	1	B1J2406	10/24/11	10/27/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	89.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	87.5			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-SB3_11-11 (1105079-01) Soil Sampled: 10/18/11 11:30 Received: 10/19/11 12:40										
% Solids	98			%	1	B1J2705	10/27/11	10/27/11	% calculation	
M-1 (1105079-02) Soil Sampled: 10/18/11 00:00 Received: 10/19/11 12:40										
% Solids	98			%	1	B1J2808	10/28/11	10/28/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-SB3_11-11 (1105079-01) Soil Sampled: 10/18/11 11:30 Received: 10/19/11 12:40										
4,4'-DDD	<0.041	0.041	0.0020	mg/kg dry	1	B1J2410	10/24/11	10/27/11	EPA 8081A	
4,4'-DDE	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Aldrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endrin	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.041	0.041	0.0014	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.082	0.082	0.016	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	97.5			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	94.0			65.2-135 %		"	"	"	"	

M-1 (1105079-02) Soil Sampled: 10/18/11 00:00 Received: 10/19/11 12:40										
4,4'-DDD	<0.041	0.041	0.0020	mg/kg dry	1	B1J2410	10/24/11	10/27/11	EPA 8081A	
4,4'-DDE	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Aldrin	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.041	0.041	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Endrin	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.041	0.041	0.0014	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1105079-02) Soil Sampled: 10/18/11 00:00 Received: 10/19/11 12:40										
gamma-BHC (Lindane)	<0.041	0.041	0.0021	mg/kg dry	1	B1J2410	10/24/11	10/27/11	EPA 8081A	
gamma-Chlordane	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.041	0.041	0.0020	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.041	0.041	0.0021	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.082	0.082	0.016	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	94.0			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	88.5			65.2-135 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-SB3_11-11 (1105079-01) Soil Sampled: 10/18/11 11:30 Received: 10/19/11 12:40										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-SB3_11-11 (1105079-01) Soil Sampled: 10/18/11 11:30 Received: 10/19/11 12:40										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J2001	10/20/11	10/20/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	89.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	94.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-SB3_11-11 (1105079-01) Soil Sampled: 10/18/11 11:30 Received: 10/19/11 12:40										
1,1,1,2-Tetrachloroethane	<0.060	0.26	0.060	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1,1-Trichloroethane	<0.033	0.26	0.033	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.069	0.26	0.069	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.026	0.26	0.026	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.062	0.51	0.062	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.26	0.024	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.028	0.51	0.028	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.070	0.51	0.070	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.032	0.26	0.032	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.26	0.022	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.26	0.017	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.061	0.51	0.061	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.090	2.0	0.090	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.26	0.014	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
Acetone	0.69	2.0	0.19	mg/kg dry	1	"	"	"	"	B-01, J
Allyl chloride	<0.059	0.51	0.059	mg/kg dry	1	"	"	"	"	
Benzene	<0.015	0.26	0.015	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.038	0.26	0.038	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
Bromoform	<0.028	0.51	0.028	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.11	0.51	0.11	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.038	0.26	0.038	mg/kg dry	1	"	"	"	"	
Chloroform	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.062	0.26	0.062	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.027	0.26	0.027	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-SB3_11-11 (1105079-01) Soil Sampled: 10/18/11 11:30 Received: 10/19/11 12:40										
cis-1,3-Dichloropropene	<0.022	0.26	0.022	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
Dibromochloromethane	<0.035	0.26	0.035	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.030	0.26	0.030	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.10	0.51	0.10	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.039	0.26	0.039	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.039	0.51	0.039	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.011	0.26	0.011	mg/kg dry	1	"	"	"	"	M1
Hexachlorobutadiene	<0.070	1.0	0.070	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.019	0.26	0.019	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.048	0.51	0.048	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.084	0.51	0.084	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.18	1.0	0.059	mg/kg dry	1	"	"	"	"	J
Naphthalene	<0.056	0.51	0.056	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.028	0.26	0.028	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.021	0.26	0.021	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.026	0.26	0.026	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.26	0.014	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.26	0.017	mg/kg dry	1	"	"	"	"	
Styrene	<0.020	0.26	0.020	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.26	0.018	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.029	0.26	0.029	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	0.34	2.0	0.12	mg/kg dry	1	"	"	"	"	B-01, T-1, J
Toluene	<0.016	0.26	0.016	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.031	0.26	0.031	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.26	0.023	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.042	0.26	0.042	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.036	0.26	0.036	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.066	0.26	0.066	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	110			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	97.5			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	98.0			78.1-125 %		"	"	"	"	

Trip Blank (1105079-03) Methanol Sampled: 10/18/11 00:00 Received: 10/19/11 12:40										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105079-03) Methanol Sampled: 10/18/11 00:00 Received: 10/19/11 12:40										
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	0.59	2.0	0.19	mg/kg wet	1	"	"	"	"	B-01, J
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105079-03) Methanol Sampled: 10/18/11 00:00 Received: 10/19/11 12:40										
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	0.15	1.0	0.058	mg/kg wet	1	"	"	"	"	J
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	0.35	2.0	0.12	mg/kg wet	1	"	"	"	"	B-01, T-1, J
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	107			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	95.1			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	97.9			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2101 - EPA 3050B

Blank (B1J2101-BLK1)

Prepared & Analyzed: 10/21/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J2101-BS1)

Prepared & Analyzed: 10/21/11

Arsenic	40.7	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.2	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	41.2	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1J2101-BSD1)

Prepared & Analyzed: 10/21/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		102	80-120	0.500	20	
Barium	41.5	1.0	0.060	mg/kg wet	39.9		104	80-120	1.68	20	
Cadmium	40.9	0.25	0.033	mg/kg wet	39.9		102	80-120	0.686	20	
Chromium	41.4	0.50	0.012	mg/kg wet	39.9		104	80-120	0.411	20	
Lead	41.8	1.0	0.14	mg/kg wet	39.9		105	80-120	0.269	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	0.738	20	
Silver	4.13	0.25	0.016	mg/kg wet	3.99		103	80-120	0.716	20	

Matrix Spike (B1J2101-MS1)

Source: 1105096-01

Prepared & Analyzed: 10/21/11

Arsenic	40.3	0.51	0.056	mg/kg dry	39.2	1.26	99.7	75-125			
Barium	59.7	1.0	0.061	mg/kg dry	39.2	15.5	113	75-125			
Cadmium	39.2	0.26	0.034	mg/kg dry	39.2	<0.26	99.8	75-125			
Chromium	45.4	0.51	0.012	mg/kg dry	39.2	5.77	101	75-125			
Lead	39.4	1.0	0.14	mg/kg dry	39.2	1.36	97.1	75-125			
Selenium	38.8	1.0	0.097	mg/kg dry	39.2	<1.0	99.0	75-125			
Silver	3.88	0.26	0.016	mg/kg dry	3.92	<0.26	99.1	75-125			

Matrix Spike Dup (B1J2101-MSD1)

Source: 1105096-01

Prepared & Analyzed: 10/21/11

Arsenic	42.0	0.51	0.056	mg/kg dry	40.0	1.26	102	75-125	3.97	20	
Barium	53.3	1.0	0.061	mg/kg dry	40.0	15.5	94.5	75-125	11.3	20	
Cadmium	41.1	0.26	0.034	mg/kg dry	40.0	<0.26	103	75-125	4.68	20	
Chromium	44.7	0.51	0.012	mg/kg dry	40.0	5.77	97.3	75-125	1.71	20	
Lead	40.8	1.0	0.14	mg/kg dry	40.0	1.36	98.7	75-125	3.53	20	
Selenium	40.6	1.0	0.097	mg/kg dry	40.0	<1.0	102	75-125	4.55	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2101 - EPA 3050B											
Matrix Spike Dup (B1J2101-MSD1)			Source: 1105096-01			Prepared & Analyzed: 10/21/11					
Silver	4.11	0.26	0.016	mg/kg dry	4.00	<0.26	103	75-125	5.59	20	
Batch B1J2510 - EPA 7471A											
Blank (B1J2510-BLK1)			Prepared: 10/25/11 Analyzed: 10/27/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J2510-BS1)			Prepared: 10/25/11 Analyzed: 10/27/11								
Mercury	0.187	0.10	0.019	mg/kg wet	0.200		93.5	80-120			
LCS Dup (B1J2510-BSD1)			Prepared: 10/25/11 Analyzed: 10/27/11								
Mercury	0.203	0.10	0.019	mg/kg wet	0.200		102	80-120	8.21	20	
Matrix Spike (B1J2510-MS1)			Source: 1105075-01			Prepared: 10/25/11 Analyzed: 10/27/11					
Mercury	0.200	0.087	0.017	mg/kg dry	0.174	<0.087	115	75-125			
Matrix Spike Dup (B1J2510-MSD1)			Source: 1105075-01			Prepared: 10/25/11 Analyzed: 10/27/11					
Mercury	0.207	0.10	0.019	mg/kg dry	0.207	<0.10	100	75-125	3.49	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2406 - EPA 3545 ASE Extraction

Blank (B1J2406-BLK1)

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0553			mg/kg wet	0.0667		83.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0560			mg/kg wet	0.0667		84.0	60.9-138			

LCS (B1J2406-BS1)

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.318	0.20	0.0059	mg/kg wet	0.333		95.3	70-130			
Surrogate: Decachlorobiphenyl	0.0577			mg/kg wet	0.0667		86.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0570			mg/kg wet	0.0667		85.5	60.9-138			

Matrix Spike (B1J2406-MS1)

Source: 1105003-02

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.672	0.21	0.0062	mg/kg dry	0.358	0.324	97.2	70-130			
Surrogate: Decachlorobiphenyl	0.0655			mg/kg dry	0.0716		91.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0687			mg/kg dry	0.0716		96.0	60.9-138			

Matrix Spike Dup (B1J2406-MSD1)

Source: 1105003-02

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.397	0.21	0.0062	mg/kg dry	0.351	0.324	20.9	70-130	51.3	17.2	M2, QR-04
Surrogate: Decachlorobiphenyl	0.0386			mg/kg dry	0.0703		55.0	65.3-143			S-02
Surrogate: Tetrachloro-meta-xylene	0.0379			mg/kg dry	0.0703		54.0	60.9-138			S-02

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2705 - General Preparation											
Duplicate (B1J2705-DUP1)						Source: 1105068-03			Prepared & Analyzed: 10/27/11		
% Solids	88.0			%		88.0			0.00	20	
Duplicate (B1J2705-DUP2)						Source: 1105071-09			Prepared & Analyzed: 10/27/11		
% Solids	99.0			%		99.0			0.00	20	
Duplicate (B1J2705-DUP3)						Source: 1105078-12			Prepared & Analyzed: 10/27/11		
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1J2705-DUP4)						Source: 1105164-03			Prepared & Analyzed: 10/27/11		
% Solids	95.0			%		95.0			0.00	20	
Batch B1J2808 - General Preparation											
Duplicate (B1J2808-DUP1)						Source: 1105127-01			Prepared & Analyzed: 10/28/11		
% Solids	96.0			%		96.0			0.00	20	
Duplicate (B1J2808-DUP2)						Source: 1105132-05			Prepared & Analyzed: 10/28/11		
% Solids	94.0			%		94.0			0.00	20	
Duplicate (B1J2808-DUP3)						Source: 1105221-01			Prepared & Analyzed: 10/28/11		
% Solids	93.0			%		94.0			1.07	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2410 - EPA 3545 ASE Extraction

Blank (B1J2410-BLK1)

Prepared: 10/24/11 Analyzed: 10/27/11

4,4'-DDD	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDE	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDT	< 0.040	0.040	0.0020	mg/kg wet							
Aldrin	< 0.040	0.040	0.0021	mg/kg wet							
alpha-BHC	< 0.040	0.040	0.0020	mg/kg wet							
alpha-Chlordane	< 0.040	0.040	0.0020	mg/kg wet							
beta-BHC	< 0.040	0.040	0.0022	mg/kg wet							
delta-BHC	< 0.040	0.040	0.0020	mg/kg wet							
Dieldrin	< 0.040	0.040	0.0020	mg/kg wet							
Endosulfan I	< 0.040	0.040	0.0022	mg/kg wet							
Endosulfan II	< 0.040	0.040	0.0021	mg/kg wet							
Endosulfan sulfate	< 0.040	0.040	0.0021	mg/kg wet							
Endrin	< 0.040	0.040	0.0020	mg/kg wet							
Endrin aldehyde	< 0.040	0.040	0.0014	mg/kg wet							
Endrin ketone	< 0.040	0.040	0.0021	mg/kg wet							
gamma-BHC (Lindane)	< 0.040	0.040	0.0021	mg/kg wet							
gamma-Chlordane	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor epoxide	< 0.040	0.040	0.0020	mg/kg wet							
Methoxychlor	< 0.040	0.040	0.0021	mg/kg wet							
Toxaphene	< 0.080	0.080	0.016	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0697			mg/kg wet	0.0667		104	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0677			mg/kg wet	0.0667		102	65.2-135			

LCS (B1J2410-BS1)

Prepared: 10/24/11 Analyzed: 10/27/11

4,4'-DDD	0.0820	0.040	0.0020	mg/kg wet	0.0833		98.4	70-130			
4,4'-DDE	0.0813	0.040	0.0020	mg/kg wet	0.0833		97.6	70-130			
4,4'-DDT	0.0820	0.040	0.0020	mg/kg wet	0.0833		98.4	70-130			
Aldrin	0.0810	0.040	0.0021	mg/kg wet	0.0833		97.2	70-130			
alpha-BHC	0.0823	0.040	0.0020	mg/kg wet	0.0833		98.8	70-130			
alpha-Chlordane	0.0830	0.040	0.0020	mg/kg wet	0.0833		99.6	70-130			
beta-BHC	0.0803	0.040	0.0022	mg/kg wet	0.0833		96.4	70-130			
delta-BHC	0.0807	0.040	0.0020	mg/kg wet	0.0833		96.8	70-130			
Dieldrin	0.0810	0.040	0.0020	mg/kg wet	0.0833		97.2	70-130			
Endosulfan I	0.0800	0.040	0.0022	mg/kg wet	0.0833		96.0	70-130			
Endosulfan II	0.0803	0.040	0.0021	mg/kg wet	0.0833		96.4	70-130			
Endosulfan sulfate	0.0797	0.040	0.0021	mg/kg wet	0.0833		95.6	70-130			
Endrin	0.0837	0.040	0.0020	mg/kg wet	0.0833		100	70-130			
Endrin aldehyde	0.0877	0.040	0.0014	mg/kg wet	0.0833		105	70-130			
Endrin ketone	0.0803	0.040	0.0021	mg/kg wet	0.0833		96.4	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2410 - EPA 3545 ASE Extraction

LCS (B1J2410-BS1)

Prepared: 10/24/11 Analyzed: 10/27/11

gamma-BHC (Lindane)	0.0823	0.040	0.0021	mg/kg wet	0.0833		98.8	70-130			
gamma-Chlordane	0.0803	0.040	0.0021	mg/kg wet	0.0833		96.4	70-130			
Heptachlor	0.0800	0.040	0.0021	mg/kg wet	0.0833		96.0	70-130			
Heptachlor epoxide	0.0807	0.040	0.0020	mg/kg wet	0.0833		96.8	70-130			
Methoxychlor	0.0790	0.040	0.0021	mg/kg wet	0.0833		94.8	70-130			
Surrogate: Decachlorobiphenyl	0.0667			mg/kg wet	0.0667		100	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0657			mg/kg wet	0.0667		98.5	65.2-135			

Matrix Spike (B1J2410-MS1)

Source: 1105075-02

Prepared: 10/24/11 Analyzed: 10/27/11

4,4'-DDD	0.0865	0.041	0.0020	mg/kg dry	0.0854	<0.041	101	70-130			
4,4'-DDE	0.0858	0.041	0.0020	mg/kg dry	0.0854	<0.041	100	70-130			
4,4'-DDT	0.0865	0.041	0.0020	mg/kg dry	0.0854	<0.041	101	70-130			
Aldrin	0.0841	0.041	0.0021	mg/kg dry	0.0854	<0.041	98.4	70-130			
alpha-BHC	0.0851	0.041	0.0020	mg/kg dry	0.0854	<0.041	99.6	70-130			
alpha-Chlordane	0.0875	0.041	0.0020	mg/kg dry	0.0854	<0.041	102	70-130			
beta-BHC	0.0851	0.041	0.0022	mg/kg dry	0.0854	<0.041	99.6	70-130			
delta-BHC	0.0817	0.041	0.0020	mg/kg dry	0.0854	<0.041	95.6	70-130			
Dieldrin	0.0854	0.041	0.0020	mg/kg dry	0.0854	<0.041	100	70-130			
Endosulfan I	0.0844	0.041	0.0022	mg/kg dry	0.0854	<0.041	98.8	70-130			
Endosulfan II	0.0854	0.041	0.0021	mg/kg dry	0.0854	<0.041	100	70-130			
Endosulfan sulfate	0.0844	0.041	0.0021	mg/kg dry	0.0854	<0.041	98.8	70-130			
Endrin	0.0882	0.041	0.0020	mg/kg dry	0.0854	<0.041	103	70-130			
Endrin aldehyde	0.104	0.041	0.0014	mg/kg dry	0.0854	<0.041	122	70-130			
Endrin ketone	0.0851	0.041	0.0021	mg/kg dry	0.0854	<0.041	99.6	70-130			
gamma-BHC (Lindane)	0.0851	0.041	0.0021	mg/kg dry	0.0854	<0.041	99.6	70-130			
gamma-Chlordane	0.0847	0.041	0.0021	mg/kg dry	0.0854	<0.041	99.2	70-130			
Heptachlor	0.0827	0.041	0.0021	mg/kg dry	0.0854	<0.041	96.8	70-130			
Heptachlor epoxide	0.0847	0.041	0.0020	mg/kg dry	0.0854	<0.041	99.2	70-130			
Methoxychlor	0.0834	0.041	0.0021	mg/kg dry	0.0854	<0.041	97.6	70-130			
Surrogate: Decachlorobiphenyl	0.0704			mg/kg dry	0.0683		103	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0683			mg/kg dry	0.0683		100	65.2-135			

Matrix Spike Dup (B1J2410-MSD1)

Source: 1105075-02

Prepared: 10/24/11 Analyzed: 10/27/11

4,4'-DDD	0.0848	0.041	0.0020	mg/kg dry	0.0858	<0.041	98.8	70-130	1.93	17.3	
4,4'-DDE	0.0845	0.041	0.0020	mg/kg dry	0.0858	<0.041	98.4	70-130	1.54	18.9	
4,4'-DDT	0.0848	0.041	0.0020	mg/kg dry	0.0858	<0.041	98.8	70-130	1.93	37.6	
Aldrin	0.0845	0.041	0.0021	mg/kg dry	0.0858	<0.041	98.4	70-130	0.470	26.6	
alpha-BHC	0.0862	0.041	0.0020	mg/kg dry	0.0858	<0.041	100	70-130	1.27	27.3	
alpha-Chlordane	0.0865	0.041	0.0020	mg/kg dry	0.0858	<0.041	101	70-130	1.10	17.2	
beta-BHC	0.0845	0.041	0.0022	mg/kg dry	0.0858	<0.041	98.4	70-130	0.742	24.7	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2410 - EPA 3545 ASE Extraction											
Matrix Spike Dup (B1J2410-MSD1)		Source: 1105075-02			Prepared: 10/24/11		Analyzed: 10/27/11				
delta-BHC	0.0814	0.041	0.0020	mg/kg dry	0.0858	<0.041	94.8	70-130	0.370	25.9	
Dieldrin	0.0838	0.041	0.0020	mg/kg dry	0.0858	<0.041	97.6	70-130	1.96	24.6	
Endosulfan I	0.0838	0.041	0.0022	mg/kg dry	0.0858	<0.041	97.6	70-130	0.752	18.2	
Endosulfan II	0.0838	0.041	0.0021	mg/kg dry	0.0858	<0.041	97.6	70-130	1.96	16.6	
Endosulfan sulfate	0.0831	0.041	0.0021	mg/kg dry	0.0858	<0.041	96.8	70-130	1.58	16.5	
Endrin	0.0872	0.041	0.0020	mg/kg dry	0.0858	<0.041	102	70-130	1.09	18.9	
Endrin aldehyde	0.0982	0.041	0.0014	mg/kg dry	0.0858	<0.041	114	70-130	5.96	17.9	
Endrin ketone	0.0834	0.041	0.0021	mg/kg dry	0.0858	<0.041	97.2	70-130	1.97	15.7	
gamma-BHC (Lindane)	0.0858	0.041	0.0021	mg/kg dry	0.0858	<0.041	100	70-130	0.871	27	
gamma-Chlordane	0.0838	0.041	0.0021	mg/kg dry	0.0858	<0.041	97.6	70-130	1.16	20	
Heptachlor	0.0831	0.041	0.0021	mg/kg dry	0.0858	<0.041	96.8	70-130	0.470	20.3	
Heptachlor epoxide	0.0848	0.041	0.0020	mg/kg dry	0.0858	<0.041	98.8	70-130	0.0659	26.2	
Methoxychlor	0.0817	0.041	0.0021	mg/kg dry	0.0858	<0.041	95.2	70-130	2.02	20.2	
Surrogate: Decachlorobiphenyl	0.0680			mg/kg dry	0.0687		99.0	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0683			mg/kg dry	0.0687		99.5	65.2-135			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2001 - EPA 3545 ASE Extraction

Blank (B1J2001-BLK1)

Prepared & Analyzed: 10/20/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2001 - EPA 3545 ASE Extraction

Blank (B1J2001-BLK1)

Prepared & Analyzed: 10/20/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	0.0506	0.33	0.044	mg/kg wet							B-02, J
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.79			mg/kg wet	6.67		71.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.68			mg/kg wet	6.67		70.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.25			mg/kg wet	6.67		63.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.50			mg/kg wet	6.67		67.4	48.9-100			
Surrogate: Phenol-d6	4.31			mg/kg wet	6.67		64.6	50.4-99.6			
Surrogate: Terphenyl-d14	6.29			mg/kg wet	6.67		94.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2001 - EPA 3545 ASE Extraction

LCS (B1J2001-BS1)

Prepared & Analyzed: 10/20/11

1,2,4-Trichlorobenzene	4.41	0.33	0.031	mg/kg wet	6.67		66.1	59.1-87.7			
1,4-Dichlorobenzene	3.88	0.33	0.029	mg/kg wet	6.67		58.2	50.3-72.9			
2,4-Dinitrotoluene	5.12	0.33	0.035	mg/kg wet	6.67		76.8	59.8-82.2			
2-Chlorophenol	4.19	0.67	0.060	mg/kg wet	6.67		62.9	59.7-77.3			
4-Chloro-3-methylphenol	4.91	0.67	0.066	mg/kg wet	6.67		73.6	63.6-80.4			
4-Nitrophenol	5.55	0.67	0.093	mg/kg wet	6.67		83.2	57.3-84.9			
Anthracene	5.27	0.33	0.036	mg/kg wet	6.67		79.1	67.3-88			
Benzo(a)anthracene	5.57	0.33	0.041	mg/kg wet	6.67		83.6	66.5-90.5			
Benzo(a)pyrene	5.08	0.33	0.042	mg/kg wet	6.67		76.2	66.1-89.7			
Chrysene	5.69	0.33	0.044	mg/kg wet	6.67		85.3	65.5-90.5			
Fluoranthene	5.11	0.33	0.039	mg/kg wet	6.67		76.7	66.7-89.9			
Fluorene	5.03	0.33	0.035	mg/kg wet	6.67		75.4	66.2-85.6			
N-Nitrosodi-n-propylamine	4.49	0.33	0.033	mg/kg wet	6.67		67.3	59.4-78			
Pentachlorophenol	4.28	0.67	0.078	mg/kg wet	6.67		64.2	46.7-83.2			
Phenanthrene	5.23	0.33	0.036	mg/kg wet	6.67		78.5	67.5-87.9			
Phenol	4.20	0.67	0.069	mg/kg wet	6.67		63.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.60			mg/kg wet	6.67		84.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.27			mg/kg wet	6.67		64.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.10			mg/kg wet	6.67		61.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.30			mg/kg wet	6.67		64.6	48.9-100			
Surrogate: Phenol-d6	4.67			mg/kg wet	6.67		70.1	50.4-99.6			
Surrogate: Terphenyl-d14	4.91			mg/kg wet	6.67		73.7	51-99.6			

Matrix Spike (B1J2001-MS1)

Source: 1104970-15

Prepared & Analyzed: 10/20/11

1,2,4-Trichlorobenzene	5.19	0.37	0.035	mg/kg dry	7.58	<0.37	68.5	44.8-97.9			
1,4-Dichlorobenzene	4.74	0.37	0.033	mg/kg dry	7.58	<0.37	62.6	42.3-77.9			
2,4-Dinitrotoluene	5.50	0.37	0.039	mg/kg dry	7.58	<0.37	72.6	57.3-86.6			
2-Chlorophenol	5.59	0.75	0.067	mg/kg dry	7.58	<0.75	73.8	43.3-93.2			
4-Chloro-3-methylphenol	6.00	0.75	0.074	mg/kg dry	7.58	<0.75	79.2	47.1-97.6			
4-Nitrophenol	5.48	0.75	0.10	mg/kg dry	7.58	<0.75	72.3	49.3-96.2			
Anthracene	6.84	0.37	0.040	mg/kg dry	7.58	0.621	82.0	67.5-93.1			
Benzo(a)anthracene	6.61	0.37	0.046	mg/kg dry	7.58	0.898	75.4	59.8-95.7			
Benzo(a)pyrene	6.65	0.37	0.047	mg/kg dry	7.58	0.630	79.5	59.8-92.7			
Chrysene	6.32	0.37	0.049	mg/kg dry	7.58	0.890	71.6	62.5-94.6			
Fluoranthene	7.80	0.37	0.044	mg/kg dry	7.58	2.11	75.2	61.3-92.8			
Fluorene	6.24	0.37	0.039	mg/kg dry	7.58	<0.37	77.6	62.8-92.6			
N-Nitrosodi-n-propylamine	5.24	0.37	0.037	mg/kg dry	7.58	<0.37	69.2	46.9-89.9			
Pentachlorophenol	5.53	0.75	0.088	mg/kg dry	7.58	<0.75	73.0	40.1-95.1			
Phenanthrene	8.29	0.37	0.040	mg/kg dry	7.58	2.34	78.5	65.2-92.2			
Phenol	5.29	0.75	0.078	mg/kg dry	7.58	<0.75	69.8	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2001 - EPA 3545 ASE Extraction

Matrix Spike (B1J2001-MS1)

Source: 1104970-15

Prepared & Analyzed: 10/20/11

Surrogate: 2,4,6-Tribromophenol	6.28			mg/kg dry	7.58		82.9	53-107			
Surrogate: 2-Fluorobiphenyl	5.70			mg/kg dry	7.58		75.2	53.9-97.9			
Surrogate: 2-Fluorophenol	5.17			mg/kg dry	7.58		68.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.31			mg/kg dry	7.58		70.0	48.9-100			
Surrogate: Phenol-d6	5.64			mg/kg dry	7.58		74.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.37			mg/kg dry	7.58		70.8	51-99.6			

Matrix Spike Dup (B1J2001-MSD1)

Source: 1104970-15

Prepared & Analyzed: 10/20/11

1,2,4-Trichlorobenzene	5.30	0.37	0.035	mg/kg dry	7.54	<0.37	70.3	44.8-97.9	2.07	19.6	
1,4-Dichlorobenzene	4.87	0.37	0.033	mg/kg dry	7.54	<0.37	64.6	42.3-77.9	2.61	22.4	
2,4-Dinitrotoluene	5.83	0.37	0.039	mg/kg dry	7.54	<0.37	77.4	57.3-86.6	5.91	19.5	
2-Chlorophenol	5.80	0.75	0.067	mg/kg dry	7.54	<0.75	76.9	43.3-93.2	3.58	23.7	
4-Chloro-3-methylphenol	6.42	0.75	0.074	mg/kg dry	7.54	<0.75	85.1	47.1-97.6	6.67	18.3	
4-Nitrophenol	5.89	0.75	0.10	mg/kg dry	7.54	<0.75	78.2	49.3-96.2	7.38	20.4	
Anthracene	7.37	0.37	0.040	mg/kg dry	7.54	0.621	89.5	67.5-93.1	7.47	19.9	
Benzo(a)anthracene	7.20	0.37	0.046	mg/kg dry	7.54	0.898	83.6	59.8-95.7	8.51	23.4	
Benzo(a)pyrene	7.27	0.37	0.047	mg/kg dry	7.54	0.630	88.1	59.8-92.7	8.89	21.1	
Chrysene	6.95	0.37	0.049	mg/kg dry	7.54	0.890	80.5	62.5-94.6	9.64	24.8	
Fluoranthene	8.84	0.37	0.044	mg/kg dry	7.54	2.11	89.3	61.3-92.8	12.5	21.8	
Fluorene	6.59	0.37	0.039	mg/kg dry	7.54	<0.37	82.8	62.8-92.6	5.57	17.6	
N-Nitrosodi-n-propylamine	5.45	0.37	0.037	mg/kg dry	7.54	<0.37	72.4	46.9-89.9	3.98	18.9	
Pentachlorophenol	5.68	0.75	0.088	mg/kg dry	7.54	<0.75	75.4	40.1-95.1	2.73	19.7	
Phenanthrene	9.44	0.37	0.040	mg/kg dry	7.54	2.34	94.2	65.2-92.2	12.9	20.5	M1
Phenol	5.44	0.75	0.078	mg/kg dry	7.54	<0.75	72.2	44.7-91	2.91	17.9	
Surrogate: 2,4,6-Tribromophenol	6.72			mg/kg dry	7.54		89.2	53-107			
Surrogate: 2-Fluorobiphenyl	6.00			mg/kg dry	7.54		79.6	53.9-97.9			
Surrogate: 2-Fluorophenol	5.42			mg/kg dry	7.54		72.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.45			mg/kg dry	7.54		72.4	48.9-100			
Surrogate: Phenol-d6	5.94			mg/kg dry	7.54		78.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.61			mg/kg dry	7.54		74.4	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2441 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2441-BLK1)

Prepared & Analyzed: 10/24/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	0.403	2.0	0.19	mg/kg wet							B-02, J
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2441 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2441-BLK1)

Prepared & Analyzed: 10/24/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	0.303	2.0	0.12	mg/kg wet							B-02, J
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	54.0			ug/L	50.0		108	80-124			
Surrogate: Dibromofluoromethane	47.1			ug/L	50.0		94.3	77.1-123			
Surrogate: Toluene-d8	48.4			ug/L	50.0		96.8	78.1-125			

LCS (B1J2441-BS1)

Prepared & Analyzed: 10/24/11

1,1,2,2-Tetrachloroethane	40.7			ug/L	50.0		81.4	75-120			
1,1-Dichloroethane	48.0			ug/L	50.0		96.0	79.6-120			
1,1-Dichloroethene	45.8			ug/L	50.0		91.6	78.3-120			
1,3,5-Trimethylbenzene	44.5			ug/L	50.0		89.1	77-120			
1,4-Dichlorobenzene	46.4			ug/L	50.0		92.8	75-125			
2-Chlorotoluene	47.6			ug/L	50.0		95.1	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2441 - EPA 5035 Soil (Purge and Trap)

LCS (B1J2441-BS1)

Prepared & Analyzed: 10/24/11

Benzene	43.6			ug/L	50.0		87.2	80-120			
Bromoform	55.9			ug/L	50.0		112	80-120			
Chlorobenzene	52.0			ug/L	50.0		104	80-120			
Chloroform	48.5			ug/L	50.0		97.0	80-120			
Ethylbenzene	58.2			ug/L	50.0		116	80-120			
n-Butylbenzene	48.5			ug/L	50.0		97.0	75-125			
n-Propylbenzene	48.5			ug/L	50.0		96.9	75-120			
Toluene	54.3			ug/L	50.0		109	80-120			
Trichloroethene	53.0			ug/L	50.0		106	80-120			
Vinyl chloride	48.4			ug/L	50.0		96.8	75-130			
Surrogate: 4-Bromofluorobenzene	54.7			ug/L	50.0		109	80-124			
Surrogate: Dibromofluoromethane	47.5			ug/L	50.0		94.9	77.1-123			
Surrogate: Toluene-d8	50.5			ug/L	50.0		101	78.1-125			

Matrix Spike (B1J2441-MS1)

Source: 1105079-01

Prepared & Analyzed: 10/24/11

1,1,2,2-Tetrachloroethane	43.2			ug/L	50.0	<	86.4	75-125			
1,1-Dichloroethane	51.3			ug/L	50.0	<	103	78.7-123			
1,1-Dichloroethene	49.3			ug/L	50.0	<	98.7	75.8-121			
1,3,5-Trimethylbenzene	44.1			ug/L	50.0	<	88.3	75-120			
1,4-Dichlorobenzene	47.6			ug/L	50.0	<	95.2	75-125			
2-Chlorotoluene	50.6			ug/L	50.0	<	101	75-120			
Benzene	42.6			ug/L	50.0	<	85.2	80-120			
Bromoform	58.0			ug/L	50.0	<	116	80-120			
Chlorobenzene	54.2			ug/L	50.0	<	108	80-120			
Chloroform	49.9			ug/L	50.0	<	99.8	80-120			
Ethylbenzene	60.7			ug/L	50.0	<	121	80-120			M1
n-Butylbenzene	47.5			ug/L	50.0	<	95.1	73.8-125			
n-Propylbenzene	51.2			ug/L	50.0	<	102	75-120			
Toluene	55.9			ug/L	50.0	<	112	80-120			
Trichloroethene	54.6			ug/L	50.0	<	109	80-120			
Vinyl chloride	45.6			ug/L	50.0	<	91.1	74.8-130			
Surrogate: 4-Bromofluorobenzene	54.4			ug/L	50.0		109	80-124			
Surrogate: Dibromofluoromethane	48.3			ug/L	50.0		96.6	77.1-123			
Surrogate: Toluene-d8	50.3			ug/L	50.0		101	78.1-125			

Matrix Spike Dup (B1J2441-MSD1)

Source: 1105079-01

Prepared & Analyzed: 10/24/11

1,1,2,2-Tetrachloroethane	42.7			ug/L	50.0	<	85.4	75-125	1.24	20	
1,1-Dichloroethane	49.0			ug/L	50.0	<	97.9	78.7-123	4.78	20	
1,1-Dichloroethene	48.6			ug/L	50.0	<	97.1	75.8-121	1.60	20	
1,3,5-Trimethylbenzene	43.5			ug/L	50.0	<	86.9	75-120	1.55	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2441 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1J2441-MSD1)			Source: 1105079-01			Prepared & Analyzed: 10/24/11					
1,4-Dichlorobenzene	46.6			ug/L	50.0	<	93.3	75-125	2.05	20	
2-Chlorotoluene	50.4			ug/L	50.0	<	101	75-120	0.412	20	
Benzene	42.6			ug/L	50.0	<	85.3	80-120	0.0699	20	
Bromoform	57.2			ug/L	50.0	<	114	80-120	1.47	20	
Chlorobenzene	54.1			ug/L	50.0	<	108	80-120	0.200	20	
Chloroform	49.5			ug/L	50.0	<	99.0	80-120	0.771	20	
Ethylbenzene	60.4			ug/L	50.0	<	121	80-120	0.536	20	M1
n-Butylbenzene	47.5			ug/L	50.0	<	95.0	73.8-125	0.0457	20	
n-Propylbenzene	50.5			ug/L	50.0	<	101	75-120	1.35	20	
Toluene	55.6			ug/L	50.0	<	111	80-120	0.596	20	
Trichloroethene	53.7			ug/L	50.0	<	107	80-120	1.61	20	
Vinyl chloride	44.7			ug/L	50.0	<	89.4	74.8-130	1.90	20	
Surrogate: 4-Bromofluorobenzene	54.6			ug/L	50.0		109	80-124			
Surrogate: Dibromofluoromethane	46.9			ug/L	50.0		93.9	77.1-123			
Surrogate: Toluene-d8	48.7			ug/L	50.0		97.4	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105079 Date Reported: 10/28/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
S-02	Surrogate recovery outside of laboratory acceptance limits.
QR-04	The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
B-02	Target analyte was present in the method blank between the MDL and RL.
B-01	Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

BARR

Project Number: 23/19-092 48RS 870
 Project Name: Ume East RS-~~870~~ Site Wide
 Sample Origin State: MN (use two letter postal state abbreviation)

COC # 1105079

COC Number: **NO 37392**

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	
						Soil	Water	Grab	Composite
1. U-LWB07-583	11	11	ft	10/18/2011	11:30	X		X	OC
2. M-1	-	-	-	-	-	X		X	OC
3. TB-1	-	-	-	-	-			X	OC
4.									
5.									
6.									
7.									
8.									
9.									
10.									

COC # 1105079 at 1

Project Manager: JME

Project OC Contact: AAV

Sampled by: ADN

Laboratory: Legend

Analyse VOCs, PCBs, PAHs, OC, Pesticides

Analyse OC-Pesticides

Analyse VOCs, sep Blank

Number of Containers/Preservative

Water	Soil	Total Number of Containers
VOCs (unpreserved) #2		
Disinfectant Metals (HNO ₃)		
Total Metals (HNO ₃)		
General Range Organics (HCl)		
Nutrients (H ₂ SO ₄) #4		
VOCs (HCl) #1		
VOCs (unpreserved) #1	X	X
GRO, BTEX (fared MeOH) #1		
DRO (fared unpreserved)		
Metals (unpreserved)	X	X
SVOs (unpreserved) #2	X	X
SVOs (unpreserved) #1	X	X
Solids (plastic vial, unpres.)		
OC-Pesticides	X	X

Received by: [Signature] Date: 10/19/11 Time: 12:40

Received by: [Signature] Date: 10/19/11 Time: 12:40

Air Bill Number: _____

Samples Shipped Via: Air Freight Federal Express Sampler Other: _____

Requisition By: [Signature] Date: 10/18/11

Requisitioned By: _____ Date: _____

On Ice? Y N

On Ice? Y N

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List

#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

#4 - Anions = COD, TOC, Phenols, Ammonia, Nitrate, Nitrogen, TKN

DO/last

H:\LEGEND\FORMS\Chain of Custody Form 2009 (RLG) Rev. 09/01/09



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 31, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105080
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/19/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "T-LE", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
101A-SB1_4-4	1105080-01	Soil	10/18/11 13:45	10/19/11 12:40
101A-SB2_4-4	1105080-03	Soil	10/18/11 14:00	10/19/11 12:40
716B-SB1_12-12	1105080-05	Soil	10/18/11 14:20	10/19/11 12:40
716A-SB6_12-12	1105080-06	Soil	10/18/11 15:00	10/19/11 12:40
716A-SB5_12-12	1105080-08	Soil	10/18/11 15:30	10/19/11 12:40
Trip Blank	1105080-10	Methanol	10/18/11 00:00	10/19/11 12:40

Shipping Container Information

Default Cooler	Temperature (°C):	
Received on ice: Yes	Temperature blank was not present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: Yes		

Case Narrative:

Recoveries of the 8082 surrogate decachlorobiphenyl, surrogate tetrachloro-meta-xylene, and Aroclor 1260 in the batch B1J2406 MSD and the corresponding %RPD were outside laboratory acceptance limits. Recoveries of the surrogates and spike were within limits in the LCS/MS. The source sample was not associated with this work order.

Recoveries for ethylbenzene in the batch B1J2441 MS/MSD was above 8260 laboratory limits but within limits in the LCS. The MS/MSD source sample was not associated with this work order

Acetone and tetrahydrofuran were detected in the 8260 batch B1J2441 BLK between the MDL and RL. Samples with acetone and tetrahydrofuran detections less than or equal to 10 times the blank contamination are qualified.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
716B-SB1_12-12 (1105080-05) Soil Sampled: 10/18/11 14:20 Received: 10/19/11 12:40										
Arsenic	1.7	0.49	0.054	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Barium	16	0.98	0.059	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	7.1	0.49	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.8	0.98	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.088	0.088	0.017	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<0.98	0.98	0.093	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.24	0.24	0.016	mg/kg dry	1	"	"	"	"	
716A-SB6_12-12 (1105080-06) Soil Sampled: 10/18/11 15:00 Received: 10/19/11 12:40										
Arsenic	1.3	0.51	0.056	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Barium	14	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	5.5	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.3	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
716A-SB5_12-12 (1105080-08) Soil Sampled: 10/18/11 15:30 Received: 10/19/11 12:40										
Arsenic	4.8	0.60	0.066	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Barium	230	1.2	0.072	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	15	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	9.8	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
101A-SB1_4-4 (1105080-01) Soil Sampled: 10/18/11 13:45 Received: 10/19/11 12:40										
Aroclor 1016	<0.20	0.20	0.0081	mg/kg dry	1	B1J2406	10/24/11	10/26/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	87.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	86.0			60.9-138 %		"	"	"	"	
101A-SB2_4-4 (1105080-03) Soil Sampled: 10/18/11 14:00 Received: 10/19/11 12:40										
Aroclor 1016	<0.21	0.21	0.0084	mg/kg dry	1	B1J2406	10/24/11	10/26/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0063	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	85.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	89.0			60.9-138 %		"	"	"	"	
716B-SB1_12-12 (1105080-05) Soil Sampled: 10/18/11 14:20 Received: 10/19/11 12:40										
Aroclor 1016	<0.21	0.21	0.0081	mg/kg dry	1	B1J2406	10/24/11	10/26/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	85.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	86.5			60.9-138 %		"	"	"	"	
716A-SB6_12-12 (1105080-06) Soil Sampled: 10/18/11 15:00 Received: 10/19/11 12:40										
Aroclor 1016	<0.20	0.20	0.0081	mg/kg dry	1	B1J2605	10/26/11	10/29/11	EPA 8082	
Aroclor 1221	<0.20	0.20	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.20	0.20	0.023	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.20	0.20	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.20	0.20	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.20	0.20	0.0060	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	78.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	86.0			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
716A-SB5_12-12 (1105080-08) Soil Sampled: 10/18/11 15:30 Received: 10/19/11 12:40										
Aroclor 1016	<0.24	0.24	0.0095	mg/kg dry	1	B1J2605	10/26/11	10/29/11	EPA 8082	
Aroclor 1221	<0.24	0.24	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.24	0.24	0.028	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.24	0.24	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.24	0.24	0.048	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.24	0.24	0.048	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.24	0.24	0.0071	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	80.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	85.0			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
101A-SB1_4-4 (1105080-01) Soil Sampled: 10/18/11 13:45 Received: 10/19/11 12:40										
% Solids	98			%	1	B1J2705	10/27/11	10/27/11	% calculation	
101A-SB2_4-4 (1105080-03) Soil Sampled: 10/18/11 14:00 Received: 10/19/11 12:40										
% Solids	94			%	1	B1J2705	10/27/11	10/27/11	% calculation	
716B-SB1_12-12 (1105080-05) Soil Sampled: 10/18/11 14:20 Received: 10/19/11 12:40										
% Solids	97			%	1	B1J2705	10/27/11	10/27/11	% calculation	
716A-SB6_12-12 (1105080-06) Soil Sampled: 10/18/11 15:00 Received: 10/19/11 12:40										
% Solids	98			%	1	B1J2705	10/27/11	10/27/11	% calculation	
716A-SB5_12-12 (1105080-08) Soil Sampled: 10/18/11 15:30 Received: 10/19/11 12:40										
% Solids	83			%	1	B1J2705	10/27/11	10/27/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
716A-SB6_12-12 (1105080-06) Soil Sampled: 10/18/11 15:00 Received: 10/19/11 12:40										
1,1,1,2-Tetrachloroethane	<0.074	0.31	0.074	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1,1-Trichloroethane	<0.040	0.31	0.040	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.043	0.31	0.043	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.085	0.31	0.085	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.029	0.31	0.029	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.031	0.31	0.031	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.076	0.63	0.076	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.030	0.31	0.030	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.034	0.63	0.034	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.023	0.31	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.086	0.63	0.086	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.028	0.31	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.025	0.31	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.034	0.31	0.034	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.039	0.31	0.039	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.025	0.31	0.025	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.028	0.31	0.028	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.021	0.31	0.021	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.075	0.63	0.075	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.11	2.5	0.11	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.018	0.31	0.018	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
Acetone	0.82	2.5	0.24	mg/kg dry	1	"	"	"	"	B-01, J
Allyl chloride	<0.073	0.63	0.073	mg/kg dry	1	"	"	"	"	
Benzene	<0.019	0.31	0.019	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.034	0.31	0.034	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.046	0.31	0.046	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.034	0.31	0.034	mg/kg dry	1	"	"	"	"	
Bromoform	<0.034	0.63	0.034	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.14	0.63	0.14	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.043	0.31	0.043	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.024	0.31	0.024	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.046	0.31	0.046	mg/kg dry	1	"	"	"	"	
Chloroform	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.076	0.31	0.076	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.033	0.31	0.033	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
716A-SB6_12-12 (1105080-06) Soil Sampled: 10/18/11 15:00 Received: 10/19/11 12:40										
cis-1,3-Dichloropropene	<0.028	0.31	0.028	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
Dibromochloromethane	<0.043	0.31	0.043	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.036	0.31	0.036	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.12	0.63	0.12	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.048	0.31	0.048	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.048	0.63	0.048	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.014	0.31	0.014	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.086	1.3	0.086	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.024	0.31	0.024	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.059	0.63	0.059	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.10	0.63	0.10	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.020	0.31	0.020	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.16	1.3	0.073	mg/kg dry	1	"	"	"	"	J
Naphthalene	<0.069	0.63	0.069	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.034	0.31	0.034	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.026	0.31	0.026	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.031	0.31	0.031	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.018	0.31	0.018	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.021	0.31	0.021	mg/kg dry	1	"	"	"	"	
Styrene	<0.025	0.31	0.025	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.023	0.31	0.023	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.035	0.31	0.035	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	0.40	2.5	0.15	mg/kg dry	1	"	"	"	"	J, B-01, T-1
Toluene	<0.020	0.31	0.020	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.038	0.31	0.038	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.029	0.31	0.029	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.051	0.31	0.051	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.044	0.31	0.044	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.081	0.31	0.081	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	108			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	95.4			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	101			78.1-125 %		"	"	"	"	

Trip Blank (1105080-10) Methanol Sampled: 10/18/11 00:00 Received: 10/19/11 12:40										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105080-10) Methanol Sampled: 10/18/11 00:00 Received: 10/19/11 12:40										
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	0.65	2.0	0.19	mg/kg wet	1	"	"	"	"	J, B-01
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105080-10) Methanol Sampled: 10/18/11 00:00 Received: 10/19/11 12:40										
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	0.15	1.0	0.058	mg/kg wet	1	"	"	"	"	J
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	0.32	2.0	0.12	mg/kg wet	1	"	"	"	"	J, B-01, T-1
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	109			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	95.4			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	98.9			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2101 - EPA 3050B

Blank (B1J2101-BLK1)

Prepared & Analyzed: 10/21/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J2101-BS1)

Prepared & Analyzed: 10/21/11

Arsenic	40.7	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.2	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	41.2	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1J2101-BSD1)

Prepared & Analyzed: 10/21/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		102	80-120	0.500	20	
Barium	41.5	1.0	0.060	mg/kg wet	39.9		104	80-120	1.68	20	
Cadmium	40.9	0.25	0.033	mg/kg wet	39.9		102	80-120	0.686	20	
Chromium	41.4	0.50	0.012	mg/kg wet	39.9		104	80-120	0.411	20	
Lead	41.8	1.0	0.14	mg/kg wet	39.9		105	80-120	0.269	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	0.738	20	
Silver	4.13	0.25	0.016	mg/kg wet	3.99		103	80-120	0.716	20	

Matrix Spike (B1J2101-MS1)

Source: 1105096-01

Prepared & Analyzed: 10/21/11

Arsenic	40.3	0.51	0.056	mg/kg dry	39.2	1.26	99.7	75-125			
Barium	59.7	1.0	0.061	mg/kg dry	39.2	15.5	113	75-125			
Cadmium	39.2	0.26	0.034	mg/kg dry	39.2	<0.26	99.8	75-125			
Chromium	45.4	0.51	0.012	mg/kg dry	39.2	5.77	101	75-125			
Lead	39.4	1.0	0.14	mg/kg dry	39.2	1.36	97.1	75-125			
Selenium	38.8	1.0	0.097	mg/kg dry	39.2	<1.0	99.0	75-125			
Silver	3.88	0.26	0.016	mg/kg dry	3.92	<0.26	99.1	75-125			

Matrix Spike Dup (B1J2101-MSD1)

Source: 1105096-01

Prepared & Analyzed: 10/21/11

Arsenic	42.0	0.51	0.056	mg/kg dry	40.0	1.26	102	75-125	3.97	20	
Barium	53.3	1.0	0.061	mg/kg dry	40.0	15.5	94.5	75-125	11.3	20	
Cadmium	41.1	0.26	0.034	mg/kg dry	40.0	<0.26	103	75-125	4.68	20	
Chromium	44.7	0.51	0.012	mg/kg dry	40.0	5.77	97.3	75-125	1.71	20	
Lead	40.8	1.0	0.14	mg/kg dry	40.0	1.36	98.7	75-125	3.53	20	
Selenium	40.6	1.0	0.097	mg/kg dry	40.0	<1.0	102	75-125	4.55	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2101 - EPA 3050B											
Matrix Spike Dup (B1J2101-MSD1)			Source: 1105096-01			Prepared & Analyzed: 10/21/11					
Silver	4.11	0.26	0.016	mg/kg dry	4.00	<0.26	103	75-125	5.59	20	
Batch B1J2510 - EPA 7471A											
Blank (B1J2510-BLK1)			Prepared: 10/25/11 Analyzed: 10/27/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J2510-BS1)			Prepared: 10/25/11 Analyzed: 10/27/11								
Mercury	0.187	0.10	0.019	mg/kg wet	0.200		93.5	80-120			
LCS Dup (B1J2510-BSD1)			Prepared: 10/25/11 Analyzed: 10/27/11								
Mercury	0.203	0.10	0.019	mg/kg wet	0.200		102	80-120	8.21	20	
Matrix Spike (B1J2510-MS1)			Source: 1105075-01			Prepared: 10/25/11 Analyzed: 10/27/11					
Mercury	0.200	0.087	0.017	mg/kg dry	0.174	<0.087	115	75-125			
Matrix Spike Dup (B1J2510-MSD1)			Source: 1105075-01			Prepared: 10/25/11 Analyzed: 10/27/11					
Mercury	0.207	0.10	0.019	mg/kg dry	0.207	<0.10	100	75-125	3.49	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2406 - EPA 3545 ASE Extraction

Blank (B1J2406-BLK1)

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0553			mg/kg wet	0.0667		83.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0560			mg/kg wet	0.0667		84.0	60.9-138			

LCS (B1J2406-BS1)

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.318	0.20	0.0059	mg/kg wet	0.333		95.3	70-130			
Surrogate: Decachlorobiphenyl	0.0577			mg/kg wet	0.0667		86.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0570			mg/kg wet	0.0667		85.5	60.9-138			

Matrix Spike (B1J2406-MS1)

Source: 1105003-02

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.672	0.21	0.0062	mg/kg dry	0.358	0.324	97.2	70-130			
Surrogate: Decachlorobiphenyl	0.0655			mg/kg dry	0.0716		91.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0687			mg/kg dry	0.0716		96.0	60.9-138			

Matrix Spike Dup (B1J2406-MSD1)

Source: 1105003-02

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.397	0.21	0.0062	mg/kg dry	0.351	0.324	20.9	70-130	51.3	17.2	M2, QR-04
Surrogate: Decachlorobiphenyl	0.0386			mg/kg dry	0.0703		55.0	65.3-143			S-02
Surrogate: Tetrachloro-meta-xylene	0.0379			mg/kg dry	0.0703		54.0	60.9-138			S-02

Batch B1J2605 - EPA 3545 ASE Extraction

Blank (B1J2605-BLK1)

Prepared: 10/26/11 Analyzed: 10/27/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0627			mg/kg wet	0.0667		94.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0630			mg/kg wet	0.0667		94.5	60.9-138			

LCS (B1J2605-BS1)

Prepared: 10/26/11 Analyzed: 10/27/11

Aroclor 1260	0.338	0.20	0.0059	mg/kg wet	0.333		102	70-130			
Surrogate: Decachlorobiphenyl	0.0617			mg/kg wet	0.0667		92.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0617			mg/kg wet	0.0667		92.5	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2605 - EPA 3545 ASE Extraction											
Matrix Spike (B1J2605-MS1)											
			Source: 1105080-06			Prepared: 10/26/11			Analyzed: 10/29/11		
Aroclor 1260	0.306	0.20	0.0060	mg/kg dry	0.344	<0.20	88.8	70-130			
Surrogate: Decachlorobiphenyl	0.0530			mg/kg dry	0.0689		77.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0606			mg/kg dry	0.0689		88.0	60.9-138			
Matrix Spike Dup (B1J2605-MSD1)											
			Source: 1105080-06			Prepared: 10/26/11			Analyzed: 10/29/11		
Aroclor 1260	0.313	0.20	0.0060	mg/kg dry	0.344	<0.20	91.0	70-130	2.38	17.2	
Surrogate: Decachlorobiphenyl	0.0544			mg/kg dry	0.0688		79.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0585			mg/kg dry	0.0688		85.0	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2705 - General Preparation											
Duplicate (B1J2705-DUP1)						Source: 1105068-03			Prepared & Analyzed: 10/27/11		
% Solids	88.0			%		88.0			0.00	20	
Duplicate (B1J2705-DUP2)						Source: 1105071-09			Prepared & Analyzed: 10/27/11		
% Solids	99.0			%		99.0			0.00	20	
Duplicate (B1J2705-DUP3)						Source: 1105078-12			Prepared & Analyzed: 10/27/11		
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1J2705-DUP4)						Source: 1105164-03			Prepared & Analyzed: 10/27/11		
% Solids	95.0			%		95.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2441 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2441-BLK1)

Prepared & Analyzed: 10/24/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	0.403	2.0	0.19	mg/kg wet							J, B-02
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2441 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2441-BLK1)

Prepared & Analyzed: 10/24/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	0.303	2.0	0.12	mg/kg wet							J, B-02
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	54.0			ug/L	50.0		108	80-124			
Surrogate: Dibromofluoromethane	47.1			ug/L	50.0		94.3	77.1-123			
Surrogate: Toluene-d8	48.4			ug/L	50.0		96.8	78.1-125			

LCS (B1J2441-BS1)

Prepared & Analyzed: 10/24/11

1,1,2,2-Tetrachloroethane	40.7			ug/L	50.0		81.4	75-120			
1,1-Dichloroethane	48.0			ug/L	50.0		96.0	79.6-120			
1,1-Dichloroethene	45.8			ug/L	50.0		91.6	78.3-120			
1,3,5-Trimethylbenzene	44.5			ug/L	50.0		89.1	77-120			
1,4-Dichlorobenzene	46.4			ug/L	50.0		92.8	75-125			
2-Chlorotoluene	47.6			ug/L	50.0		95.1	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2441 - EPA 5035 Soil (Purge and Trap)

LCS (B1J2441-BS1)

Prepared & Analyzed: 10/24/11

Benzene	43.6			ug/L	50.0		87.2	80-120			
Bromoform	55.9			ug/L	50.0		112	80-120			
Chlorobenzene	52.0			ug/L	50.0		104	80-120			
Chloroform	48.5			ug/L	50.0		97.0	80-120			
Ethylbenzene	58.2			ug/L	50.0		116	80-120			
n-Butylbenzene	48.5			ug/L	50.0		97.0	75-125			
n-Propylbenzene	48.5			ug/L	50.0		96.9	75-120			
Toluene	54.3			ug/L	50.0		109	80-120			
Trichloroethene	53.0			ug/L	50.0		106	80-120			
Vinyl chloride	48.4			ug/L	50.0		96.8	75-130			
Surrogate: 4-Bromofluorobenzene	54.7			ug/L	50.0		109	80-124			
Surrogate: Dibromofluoromethane	47.5			ug/L	50.0		94.9	77.1-123			
Surrogate: Toluene-d8	50.5			ug/L	50.0		101	78.1-125			

Matrix Spike (B1J2441-MS1)

Source: 1105079-01

Prepared & Analyzed: 10/24/11

1,1,2,2-Tetrachloroethane	43.2			ug/L	50.0	<	86.4	75-125			
1,1-Dichloroethane	51.3			ug/L	50.0	<	103	78.7-123			
1,1-Dichloroethene	49.3			ug/L	50.0	<	98.7	75.8-121			
1,3,5-Trimethylbenzene	44.1			ug/L	50.0	<	88.3	75-120			
1,4-Dichlorobenzene	47.6			ug/L	50.0	<	95.2	75-125			
2-Chlorotoluene	50.6			ug/L	50.0	<	101	75-120			
Benzene	42.6			ug/L	50.0	<	85.2	80-120			
Bromoform	58.0			ug/L	50.0	<	116	80-120			
Chlorobenzene	54.2			ug/L	50.0	<	108	80-120			
Chloroform	49.9			ug/L	50.0	<	99.8	80-120			
Ethylbenzene	60.7			ug/L	50.0	<	121	80-120			M1
n-Butylbenzene	47.5			ug/L	50.0	<	95.1	73.8-125			
n-Propylbenzene	51.2			ug/L	50.0	<	102	75-120			
Toluene	55.9			ug/L	50.0	<	112	80-120			
Trichloroethene	54.6			ug/L	50.0	<	109	80-120			
Vinyl chloride	45.6			ug/L	50.0	<	91.1	74.8-130			
Surrogate: 4-Bromofluorobenzene	54.4			ug/L	50.0		109	80-124			
Surrogate: Dibromofluoromethane	48.3			ug/L	50.0		96.6	77.1-123			
Surrogate: Toluene-d8	50.3			ug/L	50.0		101	78.1-125			

Matrix Spike Dup (B1J2441-MSD1)

Source: 1105079-01

Prepared & Analyzed: 10/24/11

1,1,2,2-Tetrachloroethane	42.7			ug/L	50.0	<	85.4	75-125	1.24	20	
1,1-Dichloroethane	49.0			ug/L	50.0	<	97.9	78.7-123	4.78	20	
1,1-Dichloroethene	48.6			ug/L	50.0	<	97.1	75.8-121	1.60	20	
1,3,5-Trimethylbenzene	43.5			ug/L	50.0	<	86.9	75-120	1.55	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2441 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1J2441-MSD1)			Source: 1105079-01			Prepared & Analyzed: 10/24/11					
1,4-Dichlorobenzene	46.6			ug/L	50.0	<	93.3	75-125	2.05	20	
2-Chlorotoluene	50.4			ug/L	50.0	<	101	75-120	0.412	20	
Benzene	42.6			ug/L	50.0	<	85.3	80-120	0.0699	20	
Bromoform	57.2			ug/L	50.0	<	114	80-120	1.47	20	
Chlorobenzene	54.1			ug/L	50.0	<	108	80-120	0.200	20	
Chloroform	49.5			ug/L	50.0	<	99.0	80-120	0.771	20	
Ethylbenzene	60.4			ug/L	50.0	<	121	80-120	0.536	20	M1
n-Butylbenzene	47.5			ug/L	50.0	<	95.0	73.8-125	0.0457	20	
n-Propylbenzene	50.5			ug/L	50.0	<	101	75-120	1.35	20	
Toluene	55.6			ug/L	50.0	<	111	80-120	0.596	20	
Trichloroethene	53.7			ug/L	50.0	<	107	80-120	1.61	20	
Vinyl chloride	44.7			ug/L	50.0	<	89.4	74.8-130	1.90	20	
Surrogate: 4-Bromofluorobenzene	54.6			ug/L	50.0		109	80-124			
Surrogate: Dibromofluoromethane	46.9			ug/L	50.0		93.9	77.1-123			
Surrogate: Toluene-d8	48.7			ug/L	50.0		97.4	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105080 Date Reported: 10/31/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
S-02	Surrogate recovery outside of laboratory acceptance limits.
QR-04	The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
M2	Matrix spike recovery was low, the associated blank spike recovery was acceptable.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
B-02	Target analyte was present in the method blank between the MDL and RL.
B-01	Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
BARR
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1105080

Project Number: 23/19-1092 48RE 820
 Project Name: Ume East RE - ABC Line
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: **NO 37397**

Number of Containers/Preservative		COC <u>1</u> of <u>1</u>
Water	Soil	
VOCs (unpreserved) #1	VOCs (tared MeOH) #1	Total Number Of Containers
Dissolved Metals (HNO ₃)	GRQ, BTEX (tared MeOH) #1	
Total Metals (HNO ₃)	DRD (tared unpreserved) Metals (unpreserved)	
General (unpreserved) #3	SVOCs (unpreserved) #2	
Diesel Range Organics (HCl)	% Solids (plastic vial, unpres.)	
Nutrients (H ₂ SO ₄) #4	PCBs	

Project Manager: JME
 Project QC Contact: AAN
 Sampled by: ADN
 Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRQ, BTEX (tared MeOH) #1	DRD (tared unpreserved) Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	PCBs	Total Number Of Containers		
						Water	Soil	Grab	QC																
1 ¹ 101A-SB1	4	4	FT	10/11/11	13:45	X	X																	1	Analyze PCBs
2 ² 101A-SB1	12	12		10/18/11	13:50	X	X																	1	* HOLD *
3 ³ 101A-SB2	4	4			14:00	X	X																	1	Analyze PCBs
4 ⁴ 101A-SB2	12	12			14:05	X	X																	1	* HOLD *
5 ⁵ 716B-SB1	12	12			14:20	X	X										X	X	X	X				2	Analyze PCBs, metals
6 ⁶ 716A-SB6	12	12			15:00	X	X										X	X	X	X				3	Analyze VOC, PCBs, metals
7 ⁷ 716A-SB6	20	20			15:05	X	X										X	X	X	X				2	* HOLD *
8 ⁸ 716A-SB5	12	12			15:30	X	X										X	X	X	X				2	Analyze PCBs, metals
9 ⁹ 716A-SB5	20	20	↓		15:35	X	X										X	X	X	X				2	* HOLD *
10 ¹⁰ TB-2				Y					X								X							1	Analyze VOCs

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
 O.O. / cut

Relinquished By: [Signature] On Ice? N Date: 10/11/11 Time: _____ Received by: _____ Date: _____ Time: _____
 Relinquished By: _____ On Ice? Y N Date: _____ Time: _____ Received by: [Signature] Date: 10/19/11 Time: 12:40
 Samples Shipped VIA: Air Freight Federal Express Sampler Air Bill Number: _____
 Other: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 28, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105096
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/20/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink that reads "D. Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105096 Date Reported: 10/28/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BSD-TT4A_10-10	1105096-01	Soil	10/19/11 13:00	10/20/11 10:30
BSD-TT19_0.5-0.5	1105096-02	Soil	10/19/11 14:00	10/20/11 10:30
BSD-TT20_0.5-0.5	1105096-03	Soil	10/19/11 15:00	10/20/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 5.3

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105096 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT4A_10-10 (1105096-01) Soil Sampled: 10/19/11 13:00 Received: 10/20/11 10:30										
Arsenic	1.3	0.49	0.053	mg/kg dry	1	B1J2101	10/21/11	10/21/11	EPA 6010B	
Barium	16	0.97	0.058	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	5.8	0.49	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.4	0.97	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.088	0.088	0.017	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<0.97	0.97	0.092	mg/kg dry	1	B1J2101	10/21/11	10/21/11	EPA 6010B	
Silver	<0.24	0.24	0.016	mg/kg dry	1	"	"	"	"	
BSD-TT19_0.5-0.5 (1105096-02) Soil Sampled: 10/19/11 14:00 Received: 10/20/11 10:30										
Arsenic	1.4	0.53	0.059	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Barium	15	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	4.9	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	2.3	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
BSD-TT20_0.5-0.5 (1105096-03) Soil Sampled: 10/19/11 15:00 Received: 10/20/11 10:30										
Arsenic	3.9	0.53	0.059	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Barium	56	1.1	0.064	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	14	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	10	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J2510	10/25/11	10/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105096 Date Reported: 10/28/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT4A_10-10 (1105096-01) Soil Sampled: 10/19/11 13:00 Received: 10/20/11 10:30										
% Solids	98			%	1	B1J2808	10/28/11	10/28/11	% calculation	
BSD-TT19_0.5-0.5 (1105096-02) Soil Sampled: 10/19/11 14:00 Received: 10/20/11 10:30										
% Solids	94			%	1	B1J2808	10/28/11	10/28/11	% calculation	
BSD-TT20_0.5-0.5 (1105096-03) Soil Sampled: 10/19/11 15:00 Received: 10/20/11 10:30										
% Solids	89			%	1	B1J2808	10/28/11	10/28/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105096 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT4A_10-10 (1105096-01) Soil Sampled: 10/19/11 13:00 Received: 10/20/11 10:30										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105096 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT4A_10-10 (1105096-01) Soil Sampled: 10/19/11 13:00 Received: 10/20/11 10:30										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	79.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	59.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	65.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	63.8			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT19_0.5-0.5 (1105096-02) Soil Sampled: 10/19/11 14:00 Received: 10/20/11 10:30										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT19_0.5-0.5 (1105096-02) Soil Sampled: 10/19/11 14:00 Received: 10/20/11 10:30										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	66.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	55.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	56.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105096 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT20_0.5-0.5 (1105096-03) Soil Sampled: 10/19/11 15:00 Received: 10/20/11 10:30										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105096 Date Reported: 10/28/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT20_0.5-0.5 (1105096-03) Soil Sampled: 10/19/11 15:00 Received: 10/20/11 10:30										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1J2502	10/25/11	10/25/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	82.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105096 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2101 - EPA 3050B

Blank (B1J2101-BLK1)

Prepared & Analyzed: 10/21/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J2101-BS1)

Prepared & Analyzed: 10/21/11

Arsenic	40.7	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.2	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	41.2	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1J2101-BSD1)

Prepared & Analyzed: 10/21/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		102	80-120	0.500	20	
Barium	41.5	1.0	0.060	mg/kg wet	39.9		104	80-120	1.68	20	
Cadmium	40.9	0.25	0.033	mg/kg wet	39.9		102	80-120	0.686	20	
Chromium	41.4	0.50	0.012	mg/kg wet	39.9		104	80-120	0.411	20	
Lead	41.8	1.0	0.14	mg/kg wet	39.9		105	80-120	0.269	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	0.738	20	
Silver	4.13	0.25	0.016	mg/kg wet	3.99		103	80-120	0.716	20	

Matrix Spike (B1J2101-MS1)

Source: 1105096-01

Prepared & Analyzed: 10/21/11

Arsenic	40.3	0.51	0.056	mg/kg dry	39.2	1.26	99.7	75-125			
Barium	59.7	1.0	0.061	mg/kg dry	39.2	15.5	113	75-125			
Cadmium	39.2	0.26	0.034	mg/kg dry	39.2	<0.26	99.8	75-125			
Chromium	45.4	0.51	0.012	mg/kg dry	39.2	5.77	101	75-125			
Lead	39.4	1.0	0.14	mg/kg dry	39.2	1.36	97.1	75-125			
Selenium	38.8	1.0	0.097	mg/kg dry	39.2	<1.0	99.0	75-125			
Silver	3.88	0.26	0.016	mg/kg dry	3.92	<0.26	99.1	75-125			

Matrix Spike Dup (B1J2101-MSD1)

Source: 1105096-01

Prepared & Analyzed: 10/21/11

Arsenic	42.0	0.51	0.056	mg/kg dry	40.0	1.26	102	75-125	3.97	20	
Barium	53.3	1.0	0.061	mg/kg dry	40.0	15.5	94.5	75-125	11.3	20	
Cadmium	41.1	0.26	0.034	mg/kg dry	40.0	<0.26	103	75-125	4.68	20	
Chromium	44.7	0.51	0.012	mg/kg dry	40.0	5.77	97.3	75-125	1.71	20	
Lead	40.8	1.0	0.14	mg/kg dry	40.0	1.36	98.7	75-125	3.53	20	
Selenium	40.6	1.0	0.097	mg/kg dry	40.0	<1.0	102	75-125	4.55	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105096 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2101 - EPA 3050B											
Matrix Spike Dup (B1J2101-MSD1)											
			Source: 1105096-01			Prepared & Analyzed: 10/21/11					
Silver	4.11	0.26	0.016	mg/kg dry	4.00	<0.26	103	75-125	5.59	20	
Batch B1J2510 - EPA 7471A											
Blank (B1J2510-BLK1)											
			Prepared: 10/25/11 Analyzed: 10/27/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J2510-BS1)											
			Prepared: 10/25/11 Analyzed: 10/27/11								
Mercury	0.187	0.10	0.019	mg/kg wet	0.200		93.5	80-120			
LCS Dup (B1J2510-BSD1)											
			Prepared: 10/25/11 Analyzed: 10/27/11								
Mercury	0.203	0.10	0.019	mg/kg wet	0.200		102	80-120	8.21	20	
Matrix Spike (B1J2510-MS1)											
			Source: 1105075-01			Prepared: 10/25/11 Analyzed: 10/27/11					
Mercury	0.200	0.087	0.017	mg/kg dry	0.174	<0.087	115	75-125			
Matrix Spike Dup (B1J2510-MSD1)											
			Source: 1105075-01			Prepared: 10/25/11 Analyzed: 10/27/11					
Mercury	0.207	0.10	0.019	mg/kg dry	0.207	<0.10	100	75-125	3.49	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105096 Date Reported: 10/28/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J2808 - General Preparation												
Duplicate (B1J2808-DUP1)							Source: 1105127-01					Prepared & Analyzed: 10/28/11
% Solids	96.0			%		96.0			0.00	20		
Duplicate (B1J2808-DUP2)							Source: 1105132-05					Prepared & Analyzed: 10/28/11
% Solids	94.0			%		94.0			0.00	20		
Duplicate (B1J2808-DUP3)							Source: 1105221-01					Prepared & Analyzed: 10/28/11
% Solids	93.0			%		94.0			1.07	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105096 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Blank (B1J2502-BLK1)

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105096 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Blank (B1J2502-BLK1)

Prepared & Analyzed: 10/25/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.71			mg/kg wet	6.67		70.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.09			mg/kg wet	6.67		61.3	53.9-97.9			
Surrogate: 2-Fluorophenol	3.61			mg/kg wet	6.67		54.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.54			mg/kg wet	6.67		53.1	48.9-100			
Surrogate: Phenol-d6	4.11			mg/kg wet	6.67		61.6	50.4-99.6			
Surrogate: Terphenyl-d14	3.83			mg/kg wet	6.67		57.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105096 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

LCS (B1J2502-BS1)

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.39	0.33	0.031	mg/kg wet	6.67		65.8	59.1-87.7			
1,4-Dichlorobenzene	4.25	0.33	0.029	mg/kg wet	6.67		63.8	50.3-72.9			
2,4-Dinitrotoluene	4.71	0.33	0.035	mg/kg wet	6.67		70.6	59.8-82.2			
2-Chlorophenol	4.53	0.67	0.060	mg/kg wet	6.67		67.9	59.7-77.3			
4-Chloro-3-methylphenol	4.77	0.67	0.066	mg/kg wet	6.67		71.5	63.6-80.4			
4-Nitrophenol	4.91	0.67	0.093	mg/kg wet	6.67		73.7	57.3-84.9			
Anthracene	5.41	0.33	0.036	mg/kg wet	6.67		81.2	67.3-88			
Benzo(a)anthracene	5.25	0.33	0.041	mg/kg wet	6.67		78.7	66.5-90.5			
Benzo(a)pyrene	5.18	0.33	0.042	mg/kg wet	6.67		77.8	66.1-89.7			
Chrysene	5.20	0.33	0.044	mg/kg wet	6.67		78.0	65.5-90.5			
Fluoranthene	5.36	0.33	0.039	mg/kg wet	6.67		80.3	66.7-89.9			
Fluorene	4.95	0.33	0.035	mg/kg wet	6.67		74.2	66.2-85.6			
N-Nitrosodi-n-propylamine	4.52	0.33	0.033	mg/kg wet	6.67		67.9	59.4-78			
Pentachlorophenol	4.21	0.67	0.078	mg/kg wet	6.67		63.2	46.7-83.2			
Phenanthrene	5.38	0.33	0.036	mg/kg wet	6.67		80.7	67.5-87.9			
Phenol	4.34	0.67	0.069	mg/kg wet	6.67		65.2	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	5.05			mg/kg wet	6.67		75.7	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.78			mg/kg wet	6.67		71.7	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.70			mg/kg wet	6.67		70.5	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.25			mg/kg wet	6.67		63.7	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.89			mg/kg wet	6.67		73.4	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.43			mg/kg wet	6.67		66.5	51-99.6			

Matrix Spike (B1J2502-MS1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.34	0.34	0.032	mg/kg dry	6.88	<0.34	63.1	44.8-97.9			
1,4-Dichlorobenzene	4.21	0.34	0.030	mg/kg dry	6.88	<0.34	61.3	42.3-77.9			
2,4-Dinitrotoluene	4.73	0.34	0.036	mg/kg dry	6.88	<0.34	68.9	57.3-86.6			
2-Chlorophenol	4.50	0.68	0.061	mg/kg dry	6.88	<0.68	65.5	43.3-93.2			
4-Chloro-3-methylphenol	4.85	0.68	0.067	mg/kg dry	6.88	<0.68	70.5	47.1-97.6			
4-Nitrophenol	4.95	0.68	0.095	mg/kg dry	6.88	<0.68	72.0	49.3-96.2			
Anthracene	5.58	0.34	0.037	mg/kg dry	6.88	<0.34	81.1	67.5-93.1			
Benzo(a)anthracene	5.35	0.34	0.042	mg/kg dry	6.88	<0.34	77.9	59.8-95.7			
Benzo(a)pyrene	5.41	0.34	0.043	mg/kg dry	6.88	<0.34	78.7	59.8-92.7			
Chrysene	5.35	0.34	0.045	mg/kg dry	6.88	<0.34	77.8	62.5-94.6			
Fluoranthene	5.44	0.34	0.040	mg/kg dry	6.88	<0.34	79.1	61.3-92.8			
Fluorene	4.93	0.34	0.036	mg/kg dry	6.88	<0.34	71.7	62.8-92.6			
N-Nitrosodi-n-propylamine	4.41	0.34	0.034	mg/kg dry	6.88	<0.34	64.1	46.9-89.9			
Pentachlorophenol	4.72	0.68	0.080	mg/kg dry	6.88	<0.68	68.6	40.1-95.1			
Phenanthrene	5.51	0.34	0.037	mg/kg dry	6.88	<0.34	80.1	65.2-92.2			
Phenol	4.26	0.68	0.070	mg/kg dry	6.88	<0.68	62.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105096 Date Reported: 10/28/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2502 - EPA 3545 ASE Extraction

Matrix Spike (B1J2502-MS1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

Surrogate: 2,4,6-Tribromophenol	5.33			mg/kg dry	6.88		77.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.87			mg/kg dry	6.88		70.8	53.9-97.9			
Surrogate: 2-Fluorophenol	4.42			mg/kg dry	6.88		64.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.32			mg/kg dry	6.88		62.9	48.9-100			
Surrogate: Phenol-d6	4.65			mg/kg dry	6.88		67.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.63			mg/kg dry	6.88		67.4	51-99.6			

Matrix Spike Dup (B1J2502-MSD1)

Source: 1105071-10

Prepared & Analyzed: 10/25/11

1,2,4-Trichlorobenzene	4.27	0.34	0.032	mg/kg dry	6.85	<0.34	62.3	44.8-97.9	1.58	19.6	
1,4-Dichlorobenzene	4.06	0.34	0.030	mg/kg dry	6.85	<0.34	59.2	42.3-77.9	3.77	22.4	
2,4-Dinitrotoluene	4.70	0.34	0.036	mg/kg dry	6.85	<0.34	68.6	57.3-86.6	0.652	19.5	
2-Chlorophenol	4.35	0.68	0.061	mg/kg dry	6.85	<0.68	63.5	43.3-93.2	3.34	23.7	
4-Chloro-3-methylphenol	4.65	0.68	0.067	mg/kg dry	6.85	<0.68	67.9	47.1-97.6	4.06	18.3	
4-Nitrophenol	4.95	0.68	0.095	mg/kg dry	6.85	<0.68	72.3	49.3-96.2	0.0213	20.4	
Anthracene	5.50	0.34	0.037	mg/kg dry	6.85	<0.34	80.2	67.5-93.1	1.48	19.9	
Benzo(a)anthracene	5.31	0.34	0.042	mg/kg dry	6.85	<0.34	77.5	59.8-95.7	0.830	23.4	
Benzo(a)pyrene	5.43	0.34	0.043	mg/kg dry	6.85	<0.34	79.3	59.8-92.7	0.417	21.1	
Chrysene	5.43	0.34	0.045	mg/kg dry	6.85	<0.34	79.2	62.5-94.6	1.48	24.8	
Fluoranthene	5.40	0.34	0.040	mg/kg dry	6.85	<0.34	78.8	61.3-92.8	0.721	21.8	
Fluorene	4.80	0.34	0.036	mg/kg dry	6.85	<0.34	70.0	62.8-92.6	2.63	17.6	
N-Nitrosodi-n-propylamine	4.31	0.34	0.034	mg/kg dry	6.85	<0.34	62.9	46.9-89.9	2.12	18.9	
Pentachlorophenol	4.45	0.68	0.080	mg/kg dry	6.85	<0.68	64.9	40.1-95.1	5.93	19.7	
Phenanthrene	5.37	0.34	0.037	mg/kg dry	6.85	<0.34	78.3	65.2-92.2	2.53	20.5	
Phenol	4.17	0.68	0.070	mg/kg dry	6.85	<0.68	60.8	44.7-91	2.22	17.9	
Surrogate: 2,4,6-Tribromophenol	5.35			mg/kg dry	6.85		78.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.82			mg/kg dry	6.85		70.3	53.9-97.9			
Surrogate: 2-Fluorophenol	4.51			mg/kg dry	6.85		65.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.38			mg/kg dry	6.85		63.9	48.9-100			
Surrogate: Phenol-d6	4.63			mg/kg dry	6.85		67.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.75			mg/kg dry	6.85		69.3	51-99.6			

Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Project: 23191092
Project Number: 23191092 48RI 820 Navy/BG
Project Manager: Ms. Andrea Nord

Work Order #: 1105096
Date Reported: 10/28/11

Notes and Definitions

T-1 MDH does not offer certification for this parameter.
< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR

Project Number: 2319-1092.00 48R1 820

Project Name: WMore R1 - Navy / BG

Sample Origination State: MA (use two letter postal state abbreviation)

COC Number: **NO 36984**

1105096

COC _____ of _____

Project Manager: JME

Project OC Contact: AAN

Sampled by: KCB

Laboratory: Legend

Total Number Of Containers: 2

Number of Containers/Preservative

Water		Soil	
VOCs (HCl) #1		VOCs (tared MeOH) #1	
SVOCs (unpreserved) #2		DRO (tared unpreserved)	
Dissolved Metals (HNO ₃)		ORO, BTEX (tared MeOH) #1	
Total Metals (HNO ₃)		Metals (unpreserved)	
General (unpreserved) #3		SVOCs (unpreserved) #2	
Diesel Range Organics (HCl)		% Solids (plastic vial, unpres.)	
Nutrients (H ₂ SO ₄) #4			

Location	Start Depth	Stop Depth	Depth Unit (m/R or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix Type			On Ice? (Y/N)	Date	Time	Relinquished By: <u>Walter Schaefer</u>	Date	Time	Received by:	Date	Time			
						Water	Soil	Grab												
1. BSD-T14A	10	10	ft	10/19/2011	1300	X	X		Y	10/21/11	08:00	<div style="border: 1px solid black; padding: 5px;"> <p>Relinquished By: <u>Walter Schaefer</u></p> <p>Relinquished By:</p> <p>Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other:</p> </div>	<div style="border: 1px solid black; padding: 5px;"> <p>Received by: <u>[Signature]</u></p> <p>Air Bill Number:</p> </div>	<div style="border: 1px solid black; padding: 5px;"> <p>Date: <u>10/21/11</u></p> <p>Time: <u>10:30</u></p> </div>	<div style="border: 1px solid black; padding: 5px;"> <p>Date: <u>10/21/11</u></p> <p>Time: <u>10:30</u></p> </div>					
2. BSD-T17	0.5	0.5		↓	1400	X	X		Y											
3. BSD-T120	0.5	0.5		↓	1500	X	X		Y											
4.																				
5.																				
6.																				
7.																				
8.																				
9.																				
10.																				

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRG, TPH, B260 Full List

#2 - Semivolatile Organics = PAHs, PCB, Dioxins, B270 Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

#4 - Nutrients = COD, TOC, Phenols, Ammonia, Nitrogen, TKN

Distribution: White-Original, Accompantes Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

October 28, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105097
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/20/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink that reads "D. Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105097 Date Reported: 10/28/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
46T-TT11_0.5-0.5	1105097-01	Soil	10/19/11 08:30	10/20/11 10:30
46T-TT12_0.5-0.5	1105097-02	Soil	10/19/11 09:00	10/20/11 10:30
46T-TT14_0.5-0.5	1105097-03	Soil	10/19/11 09:30	10/20/11 10:30
46T-TT13_0.5-0.5	1105097-04	Soil	10/19/11 10:00	10/20/11 10:30
46T-TT10A_1-1	1105097-05	Soil	10/19/11 10:30	10/20/11 10:30

Shipping Container Information

Default Cooler Temperature (°C): 5.3

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105097 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
46T-TT11_0.5-0.5 (1105097-01) Soil Sampled: 10/19/11 08:30 Received: 10/20/11 10:30										
Arsenic	5.2	0.56	0.061	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Barium	97	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	13	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	20	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J2614	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
46T-TT12_0.5-0.5 (1105097-02) Soil Sampled: 10/19/11 09:00 Received: 10/20/11 10:30										
Arsenic	4.4	0.56	0.061	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Barium	62	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	12	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	69	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J2614	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
46T-TT14_0.5-0.5 (1105097-03) Soil Sampled: 10/19/11 09:30 Received: 10/20/11 10:30										
Arsenic	6.5	0.56	0.062	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Barium	130	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	17	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.099	0.099	0.019	mg/kg dry	1	B1J2614	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
46T-TT13_0.5-0.5 (1105097-04) Soil Sampled: 10/19/11 10:00 Received: 10/20/11 10:30										
Arsenic	5.3	0.57	0.062	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Barium	100	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	13	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	28	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1J2614	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2101	10/21/11	10/25/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
46T-TT10A_1-1 (1105097-05) Soil Sampled: 10/19/11 10:30 Received: 10/20/11 10:30										
Arsenic	7.5	0.58	0.064	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105097 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
46T-TT10A_1-1 (1105097-05) Soil Sampled: 10/19/11 10:30 Received: 10/20/11 10:30										
Barium	120	1.2	0.070	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	20	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	10	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1J2614	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105097 Date Reported: 10/28/11
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PERCENT SOLIDS
 Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
46T-TT11_0.5-0.5 (1105097-01) Soil Sampled: 10/19/11 08:30 Received: 10/20/11 10:30										
% Solids	90			%	1	B1J2808	10/28/11	10/28/11	% calculation	
46T-TT12_0.5-0.5 (1105097-02) Soil Sampled: 10/19/11 09:00 Received: 10/20/11 10:30										
% Solids	90			%	1	B1J2808	10/28/11	10/28/11	% calculation	
46T-TT14_0.5-0.5 (1105097-03) Soil Sampled: 10/19/11 09:30 Received: 10/20/11 10:30										
% Solids	89			%	1	B1J2808	10/28/11	10/28/11	% calculation	
46T-TT13_0.5-0.5 (1105097-04) Soil Sampled: 10/19/11 10:00 Received: 10/20/11 10:30										
% Solids	88			%	1	B1J2808	10/28/11	10/28/11	% calculation	
46T-TT10A_1-1 (1105097-05) Soil Sampled: 10/19/11 10:30 Received: 10/20/11 10:30										
% Solids	86			%	1	B1J2808	10/28/11	10/28/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105097 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2101 - EPA 3050B

Blank (B1J2101-BLK1)

Prepared & Analyzed: 10/21/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J2101-BS1)

Prepared & Analyzed: 10/21/11

Arsenic	40.7	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	42.2	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	41.1	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.9	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	41.2	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.16	0.25	0.016	mg/kg wet	3.99		104	80-120			

LCS Dup (B1J2101-BSD1)

Prepared & Analyzed: 10/21/11

Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		102	80-120	0.500	20	
Barium	41.5	1.0	0.060	mg/kg wet	39.9		104	80-120	1.68	20	
Cadmium	40.9	0.25	0.033	mg/kg wet	39.9		102	80-120	0.686	20	
Chromium	41.4	0.50	0.012	mg/kg wet	39.9		104	80-120	0.411	20	
Lead	41.8	1.0	0.14	mg/kg wet	39.9		105	80-120	0.269	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120	0.738	20	
Silver	4.13	0.25	0.016	mg/kg wet	3.99		103	80-120	0.716	20	

Matrix Spike (B1J2101-MS1)

Source: 1105096-01

Prepared & Analyzed: 10/21/11

Arsenic	40.3	0.51	0.056	mg/kg dry	39.2	1.26	99.7	75-125			
Barium	59.7	1.0	0.061	mg/kg dry	39.2	15.5	113	75-125			
Cadmium	39.2	0.26	0.034	mg/kg dry	39.2	<0.26	99.8	75-125			
Chromium	45.4	0.51	0.012	mg/kg dry	39.2	5.77	101	75-125			
Lead	39.4	1.0	0.14	mg/kg dry	39.2	1.36	97.1	75-125			
Selenium	38.8	1.0	0.097	mg/kg dry	39.2	<1.0	99.0	75-125			
Silver	3.88	0.26	0.016	mg/kg dry	3.92	<0.26	99.1	75-125			

Matrix Spike Dup (B1J2101-MSD1)

Source: 1105096-01

Prepared & Analyzed: 10/21/11

Arsenic	42.0	0.51	0.056	mg/kg dry	40.0	1.26	102	75-125	3.97	20	
Barium	53.3	1.0	0.061	mg/kg dry	40.0	15.5	94.5	75-125	11.3	20	
Cadmium	41.1	0.26	0.034	mg/kg dry	40.0	<0.26	103	75-125	4.68	20	
Chromium	44.7	0.51	0.012	mg/kg dry	40.0	5.77	97.3	75-125	1.71	20	
Lead	40.8	1.0	0.14	mg/kg dry	40.0	1.36	98.7	75-125	3.53	20	
Selenium	40.6	1.0	0.097	mg/kg dry	40.0	<1.0	102	75-125	4.55	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105097 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2101 - EPA 3050B											
Matrix Spike Dup (B1J2101-MSD1)			Source: 1105096-01			Prepared & Analyzed: 10/21/11					
Silver	4.11	0.26	0.016	mg/kg dry	4.00	<0.26	103	75-125	5.59	20	
Batch B1J2614 - EPA 7471A											
Blank (B1J2614-BLK1)						Prepared: 10/26/11 Analyzed: 10/27/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J2614-BS1)						Prepared: 10/26/11 Analyzed: 10/27/11					
Mercury	0.203	0.10	0.019	mg/kg wet	0.200		102	80-120			
LCS Dup (B1J2614-BSD1)						Prepared: 10/26/11 Analyzed: 10/27/11					
Mercury	0.209	0.10	0.019	mg/kg wet	0.200		104	80-120	2.91	20	
Matrix Spike (B1J2614-MS1)			Source: 1105097-01			Prepared: 10/26/11 Analyzed: 10/27/11					
Mercury	0.232	0.11	0.021	mg/kg dry	0.222	<0.11	81.5	75-125			
Matrix Spike Dup (B1J2614-MSD1)			Source: 1105097-01			Prepared: 10/26/11 Analyzed: 10/27/11					
Mercury	0.248	0.099	0.019	mg/kg dry	0.199	<0.099	99.3	75-125	6.73	20	
Batch B1J2618 - EPA 3050B											
Blank (B1J2618-BLK1)						Prepared: 10/26/11 Analyzed: 10/27/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1J2618-BS1)						Prepared: 10/26/11 Analyzed: 10/27/11					
Arsenic	38.2	0.50	0.055	mg/kg wet	39.9		95.7	80-120			
Barium	40.6	1.0	0.060	mg/kg wet	39.9		102	80-120			
Cadmium	38.7	0.25	0.033	mg/kg wet	39.9		97.1	80-120			
Chromium	39.1	0.50	0.012	mg/kg wet	39.9		98.1	80-120			
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120			
Selenium	38.6	1.0	0.095	mg/kg wet	39.9		96.8	80-120			
Silver	3.88	0.25	0.016	mg/kg wet	3.99		97.2	80-120			
LCS Dup (B1J2618-BSD1)						Prepared: 10/26/11 Analyzed: 10/27/11					
Arsenic	38.4	0.50	0.055	mg/kg wet	39.9		96.2	80-120	0.577	20	
Barium	40.4	1.0	0.060	mg/kg wet	39.9		101	80-120	0.458	20	
Cadmium	38.6	0.25	0.033	mg/kg wet	39.9		96.8	80-120	0.325	20	
Chromium	39.0	0.50	0.012	mg/kg wet	39.9		97.7	80-120	0.379	20	
Lead	40.8	1.0	0.14	mg/kg wet	39.9		102	80-120	0.0737	20	
Selenium	38.6	1.0	0.095	mg/kg wet	39.9		96.7	80-120	0.144	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105097 Date Reported: 10/28/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2618 - EPA 3050B											
LCS Dup (B1J2618-BSD1)											
						Prepared: 10/26/11 Analyzed: 10/27/11					
Silver	3.88	0.25	0.016	mg/kg wet	3.99		97.1	80-120	0.101	20	
Matrix Spike (B1J2618-MS1)											
						Source: 1105097-05 Prepared: 10/26/11 Analyzed: 10/27/11					
Arsenic	45.7	0.58	0.064	mg/kg dry	46.1	7.53	82.7	75-125			
Barium	162	1.2	0.070	mg/kg dry	46.1	124	81.2	75-125			
Cadmium	40.2	0.29	0.038	mg/kg dry	46.1	<0.29	86.8	75-125			
Chromium	60.8	0.58	0.014	mg/kg dry	46.1	19.6	89.3	75-125			
Lead	51.7	1.2	0.16	mg/kg dry	46.1	10.1	90.2	75-125			
Selenium	37.9	1.2	0.11	mg/kg dry	46.1	<1.2	81.7	75-125			
Silver	3.89	0.29	0.019	mg/kg dry	4.61	<0.29	84.2	75-125			
Matrix Spike Dup (B1J2618-MSD1)											
						Source: 1105097-05 Prepared: 10/26/11 Analyzed: 10/27/11					
Arsenic	45.7	0.58	0.064	mg/kg dry	46.1	7.53	82.7	75-125	0.0449	20	
Barium	163	1.2	0.070	mg/kg dry	46.1	124	85.5	75-125	1.20	20	
Cadmium	39.9	0.29	0.038	mg/kg dry	46.1	<0.29	86.3	75-125	0.601	20	
Chromium	60.1	0.58	0.014	mg/kg dry	46.1	19.6	87.9	75-125	1.15	20	
Lead	49.8	1.2	0.16	mg/kg dry	46.1	10.1	86.1	75-125	3.76	20	
Selenium	38.1	1.2	0.11	mg/kg dry	46.1	<1.2	82.2	75-125	0.549	20	
Silver	3.84	0.29	0.019	mg/kg dry	4.61	<0.29	83.3	75-125	1.22	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105097 Date Reported: 10/28/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J2808 - General Preparation												
Duplicate (B1J2808-DUP1)							Source: 1105127-01					Prepared & Analyzed: 10/28/11
% Solids	96.0			%		96.0			0.00	20		
Duplicate (B1J2808-DUP2)							Source: 1105132-05					Prepared & Analyzed: 10/28/11
% Solids	94.0			%		94.0			0.00	20		
Duplicate (B1J2808-DUP3)							Source: 1105221-01					Prepared & Analyzed: 10/28/11
% Solids	93.0			%		94.0			1.07	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105097 Date Reported: 10/28/11
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Notes and Definitions

<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
BARR Minneapolis, MN 55435-4803
(952) 832-2600

1105097

Project Number: 2319-1092-00 48R1 820
Project Name: UMore PL - ABC Line
Sample Origin/State: MN (use two letter postal state abbreviation)
COC Number: **NO 36983**

COC 1 of 1
Project Manager: JME
Project QC Contact: AAN
Sampled by: KCB
Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Ice?	Relinquished By	Date	Time	Received by	Date	Time
						Soil	Water							
1. 46T-T11	0.5	0.5	ft	10/10/11	0830	X	X	N	Krista Stimpke	10/20/11	0600	Received by:	10/20/11	10:30
2. 46T-T12	0.5	0.5			0900	X	X	Y				Received by:		
3. 46T-T14	0.5	0.5			0930	X	X	Y				Received by:		
4. 46T-T13	0.5	0.5			1000	X	X	Y				Received by:		
5. 46T-T10A	1	1	ft		1030	X	X	Y				Received by:		
6.														
7.														
8.														
9.														
10.														

Number of Containers/Preservative

Water	Soil	Total Number of Containers
VOCs (HCl) #1		1
VOCs (Heated MeOH) #1		1
GRO, BTEX (Heated MeOH) #2		1
DRO (Heated MeOH) #2		1
Metals (Unpreserved)		1
SVOCs (Unpreserved) #2		1
* Solids (Plastic Vial, unpres.)		1

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCB Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia, Nitrogen, TKN

Relinquished By: Krista Stimpke
Relinquished By: [Signature]
Samples Shipped Via: Air Freight Federal Express Other

Distribution: White-Original Accompanies Shipments to Lab; Yellow - Field Copy; Pink - Lab Coordinator



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

November 03, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105127
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 10/21/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of the original report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "TRIE T L", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
U-LWBC7-1	1105127-01	Soil	10/20/11 08:15	10/21/11 12:00
U-SANC4-1	1105127-02	Soil	10/20/11 10:00	10/21/11 12:00
U-PC4-1	1105127-03	Soil	10/20/11 10:45	10/21/11 12:00
U-LWBC7-3	1105127-04	Soil	10/20/11 13:00	10/21/11 12:00
U-LWBC5-1	1105127-05	Soil	10/20/11 15:00	10/21/11 12:00
M-1	1105127-06	Soil	10/20/11 00:00	10/21/11 12:00
FB-1	1105127-07	Water	10/20/11 00:00	10/21/11 12:00
FB-2	1105127-08	Water	10/20/11 00:00	10/21/11 12:00
Trip Blank	1105127-09	Methanol	10/20/11 00:00	10/21/11 12:00

Shipping Container Information

Default Cooler Temperature (°C): 2.4

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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Case Narrative:

The recovery for mercury in the MS/MSD samples for batch B1J2615 was outside of the laboratory control limits due to the sample concentration being disproportionate to the spike amount. The LCS/LCSD samples, and %RPDs were within limits. The MS/MSD source sample was U-LWBC7-1.

An LCS/LCSD was prepared and analyzed for 8082 water batch B1J2114 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

The recoveries of the 8082 surrogate decachlorobiphenyl, surrogate tetrachloro-meta-xylene, and Aroclor 1260 in the batch B1J2406 MSD and the corresponding %RPD were outside laboratory acceptance limits. Recoveries of the surrogates and spike were within limits in the LCS/MS. The source sample was not associated with this work order.

The recovery of the 8082 surrogate dechlorobiphenyl for sample U-LWBC7-1 was above laboratory acceptance limits due to sample matrix interference.

The recoveries for alpha-BHC, gamma-BHC, delta-BHC, and 4,4'-DDD were above the method limits and recoveries for 4,4'-DDT and methoxychlor were below the method limits in the ending 8081A continuing calibration verification standard (CCVS). However, following calibration evaluation procedures per EPA 8000B, the average % difference for all analytes was within the method limit, verifying the calibration. The specific analytes are flagged as required. All recoveries were within limits in the beginning and middle CCVS.

The recoveries of the 8081A surrogate dechlorobiphenyl for samples U-LWBC7-1, U-LWBC7-3, and U-LWBC5-1 were above laboratory acceptance limits due to sample matrix interference.

The recovery of the 8081A spike compound 4,4'-DDT in the MS/MSD samples for batch B1J2604 was above laboratory acceptance limits. All spike compounds were within limits in the LCS. The source sample was not associated with this work order.

An LCS/LCSD/MS was prepared and analyzed for 8270 water batch B1J2409 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements

The recovery for the 8270 water compound fluorene in the LCS/LCSD samples for batch B1J2409 was above laboratory limits. All spike compounds were within limits in the batch MS.

The recovery for the 8270 surrogate 2-fluorobiphenyl in sample U-LWBC7_1 was below laboratory limits.

The recovery for ethylbenzene in the MS/MSD samples for batch B1J2441 was above 8260 laboratory limits, but within limits in the LCS. The MS/MSD source sample was not associated with this work order

Acetone and tetrahydrofuran were detected between the MDL and RL in the 8260 batch B1J2441 BLK. Samples with acetone and tetrahydrofuran detections less than or equal to 10 times the blank contamination are qualified.

This report was revised on November 3, 2011 to make changes to the case narrative. This report supercedes the report dated November 2, 2011.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-1 (1105127-01) Soil Sampled: 10/20/11 08:15 Received: 10/21/11 12:00										
Arsenic	5.0	1.6	0.18	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	190	3.3	0.20	mg/kg dry	1	"	"	"	"	
Cadmium	3.3	0.81	0.11	mg/kg dry	1	"	"	"	"	
Chromium	50	1.6	0.039	mg/kg dry	1	"	"	"	"	
Lead	290	3.3	0.46	mg/kg dry	1	"	"	"	"	
Mercury	15	2.6	0.49	mg/kg dry	25	B1J2615	10/26/11	10/28/11	EPA 7471A	M3
Selenium	<3.3	3.3	0.31	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	69	0.81	0.052	mg/kg dry	1	"	"	"	"	
U-SANC4-1 (1105127-02) Soil Sampled: 10/20/11 10:00 Received: 10/21/11 12:00										
Arsenic	3.5	0.85	0.093	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	69	1.7	0.10	mg/kg dry	1	"	"	"	"	
Cadmium	<0.42	0.42	0.056	mg/kg dry	1	"	"	"	"	
Chromium	14	0.85	0.020	mg/kg dry	1	"	"	"	"	
Lead	9.0	1.7	0.24	mg/kg dry	1	"	"	"	"	
Mercury	<0.15	0.15	0.029	mg/kg dry	1	B1J2615	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.7	1.7	0.16	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.42	0.42	0.027	mg/kg dry	1	"	"	"	"	
U-PC4-1 (1105127-03) Soil Sampled: 10/20/11 10:45 Received: 10/21/11 12:00										
Arsenic	5.1	0.61	0.067	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	92	1.2	0.073	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	16	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	11	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J2615	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	
U-LWBC7-3 (1105127-04) Soil Sampled: 10/20/11 13:00 Received: 10/21/11 12:00										
Arsenic	24	0.88	0.097	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	240	1.8	0.11	mg/kg dry	1	"	"	"	"	
Cadmium	1.5	0.44	0.058	mg/kg dry	1	"	"	"	"	
Chromium	58	0.88	0.021	mg/kg dry	1	"	"	"	"	
Lead	220	1.8	0.25	mg/kg dry	1	"	"	"	"	
Mercury	12	1.7	0.33	mg/kg dry	10	B1J2615	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.8	1.8	0.17	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.44	0.44	0.028	mg/kg dry	1	"	"	"	"	
U-LWBC5-1 (1105127-05) Soil Sampled: 10/20/11 15:00 Received: 10/21/11 12:00										

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC5-1 (1105127-05) Soil Sampled: 10/20/11 15:00 Received: 10/21/11 12:00										
Arsenic	21	0.59	0.065	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	62	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	1.2	0.29	0.039	mg/kg dry	1	"	"	"	"	
Chromium	14	0.59	0.014	mg/kg dry	1	"	"	"	"	
Lead	17	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	0.15	0.099	0.019	mg/kg dry	1	B1J2615	10/26/11	10/28/11	EPA 7471A	
Selenium	1.5	1.2	0.11	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
M-1 (1105127-06) Soil Sampled: 10/20/11 00:00 Received: 10/21/11 12:00										
Arsenic	3.7	0.85	0.093	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	81	1.7	0.10	mg/kg dry	1	"	"	"	"	
Cadmium	<0.42	0.42	0.056	mg/kg dry	1	"	"	"	"	
Chromium	11	0.85	0.020	mg/kg dry	1	"	"	"	"	
Lead	10	1.7	0.24	mg/kg dry	1	"	"	"	"	
Mercury	<0.15	0.15	0.029	mg/kg dry	1	B1J2615	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.7	1.7	0.16	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.42	0.42	0.027	mg/kg dry	1	"	"	"	"	
FB-1 (1105127-07) Water Sampled: 10/20/11 00:00 Received: 10/21/11 12:00										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1J2405	10/24/11	10/26/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1J2713	10/27/11	10/28/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1J2405	10/24/11	10/26/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
FB-2 (1105127-08) Water Sampled: 10/20/11 00:00 Received: 10/21/11 12:00										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1J2405	10/24/11	10/26/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1J2713	10/27/11	10/28/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1J2405	10/24/11	10/26/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-1 (1105127-01) Soil Sampled: 10/20/11 08:15 Received: 10/21/11 12:00										
Aroclor 1016	<0.21	0.21	0.0082	mg/kg dry	1	B1J2406	10/24/11	10/27/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.010	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0061	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	476			65.3-143 %		"	"	"	"	S-04
Surrogate: Tetrachloro-meta-xylene	77.0			60.9-138 %		"	"	"	"	
U-SANC4-1 (1105127-02) Soil Sampled: 10/20/11 10:00 Received: 10/21/11 12:00										
Aroclor 1016	<0.34	0.34	0.013	mg/kg dry	1	B1J2406	10/24/11	10/27/11	EPA 8082	
Aroclor 1221	<0.34	0.34	0.034	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.34	0.34	0.039	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.34	0.34	0.017	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.34	0.34	0.068	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.34	0.34	0.068	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.34	0.34	0.010	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	81.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	94.0			60.9-138 %		"	"	"	"	
U-PC4-1 (1105127-03) Soil Sampled: 10/20/11 10:45 Received: 10/21/11 12:00										
Aroclor 1016	<0.24	0.24	0.0096	mg/kg dry	1	B1J2406	10/24/11	10/27/11	EPA 8082	
Aroclor 1221	<0.24	0.24	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.24	0.24	0.028	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.24	0.24	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.24	0.24	0.049	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.24	0.24	0.049	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.24	0.24	0.0072	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	85.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	92.0			60.9-138 %		"	"	"	"	
U-LWBC7-3 (1105127-04) Soil Sampled: 10/20/11 13:00 Received: 10/21/11 12:00										
Aroclor 1016	<0.41	0.41	0.016	mg/kg dry	1	B1J2605	10/26/11	10/29/11	EPA 8082	
Aroclor 1221	<0.41	0.41	0.041	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.41	0.41	0.047	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.41	0.41	0.020	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.41	0.41	0.082	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.41	0.41	0.082	mg/kg dry	1	"	"	"	"	
Aroclor 1260	1.2	0.41	0.012	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	82.0			65.3-143 %		"	"	"	"	

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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-3 (1105127-04) Soil Sampled: 10/20/11 13:00 Received: 10/21/11 12:00										
<i>Surrogate: Tetrachloro-meta-xylene</i>	98.5			60.9-138 %		B1J2605	10/26/11	10/29/11	EPA 8082	
U-LWBC5-1 (1105127-05) Soil Sampled: 10/20/11 15:00 Received: 10/21/11 12:00										
Aroclor 1016	<0.24	0.24	0.0093	mg/kg dry	1	B1J2605	10/26/11	10/29/11	EPA 8082	
Aroclor 1221	<0.24	0.24	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.24	0.24	0.027	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.24	0.24	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.24	0.24	0.047	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.24	0.24	0.047	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.24	0.24	0.0069	mg/kg dry	1	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	87.5			65.3-143 %		"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>	83.5			60.9-138 %		"	"	"	"	
FB-1 (1105127-07) Water Sampled: 10/20/11 00:00 Received: 10/21/11 12:00										
Aroclor 1016	<1.9	1.9	0.25	ug/L	1	B1J2114	10/21/11	10/26/11	EPA 8082	
Aroclor 1221	<1.9	1.9	0.48	ug/L	1	"	"	"	"	
Aroclor 1232	<1.9	1.9	0.22	ug/L	1	"	"	"	"	
Aroclor 1242	<1.9	1.9	0.18	ug/L	1	"	"	"	"	
Aroclor 1248	<1.9	1.9	0.26	ug/L	1	"	"	"	"	
Aroclor 1254	<1.9	1.9	0.41	ug/L	1	"	"	"	"	
Aroclor 1260	<1.9	1.9	0.16	ug/L	1	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>	83.5			65.6-114 %		"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>	69.5			58.9-107 %		"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-1 (1105127-01) Soil Sampled: 10/20/11 08:15 Received: 10/21/11 12:00										
% Solids	96			%	1	B1J2808	10/28/11	10/28/11	% calculation	
U-SANC4-1 (1105127-02) Soil Sampled: 10/20/11 10:00 Received: 10/21/11 12:00										
% Solids	59			%	1	B1J2808	10/28/11	10/28/11	% calculation	
U-PC4-1 (1105127-03) Soil Sampled: 10/20/11 10:45 Received: 10/21/11 12:00										
% Solids	82			%	1	B1J2808	10/28/11	10/28/11	% calculation	
U-LWBC7-3 (1105127-04) Soil Sampled: 10/20/11 13:00 Received: 10/21/11 12:00										
% Solids	49			%	1	B1J2808	10/28/11	10/28/11	% calculation	
U-LWBC5-1 (1105127-05) Soil Sampled: 10/20/11 15:00 Received: 10/21/11 12:00										
% Solids	85			%	1	B1J2808	10/28/11	10/28/11	% calculation	
M-1 (1105127-06) Soil Sampled: 10/20/11 00:00 Received: 10/21/11 12:00										
% Solids	59			%	1	B1J2808	10/28/11	10/28/11	% calculation	

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-1 (1105127-01) Soil Sampled: 10/20/11 08:15 Received: 10/21/11 12:00										
4,4'-DDD	<0.042	0.042	0.0021	mg/kg dry	1	B1J2410	10/24/11	10/27/11	EPA 8081A	
4,4'-DDE	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
4,4'-DDT	0.63	0.42	0.021	mg/kg dry	10	"	"	11/02/11	"	
Aldrin	<0.042	0.042	0.0022	mg/kg dry	1	"	"	10/27/11	"	
alpha-BHC	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.042	0.042	0.0023	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.042	0.042	0.0023	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
Endrin	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.042	0.042	0.0015	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	0.18	0.083	0.0044	mg/kg dry	2	"	"	10/29/11	"	
Heptachlor	<0.042	0.042	0.0022	mg/kg dry	1	"	"	10/27/11	"	
Heptachlor epoxide	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.083	0.083	0.017	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	514			83.7-130 %		"	"	"	"	S-04
Surrogate: Tetrachloro-meta-xylene	84.0			65.2-135 %		"	"	"	"	

U-SANC4-1 (1105127-02) Soil Sampled: 10/20/11 10:00 Received: 10/21/11 12:00										
4,4'-DDD	<0.068	0.068	0.0034	mg/kg dry	1	B1J2410	10/24/11	10/27/11	EPA 8081A	
4,4'-DDE	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	
Aldrin	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.068	0.068	0.0037	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.068	0.068	0.0037	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	
Endrin	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.068	0.068	0.0024	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SANC4-1 (1105127-02) Soil Sampled: 10/20/11 10:00 Received: 10/21/11 12:00										
gamma-BHC (Lindane)	<0.068	0.068	0.0036	mg/kg dry	1	B1J2410	10/24/11	10/27/11	EPA 8081A	
gamma-Chlordane	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.068	0.068	0.0034	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.068	0.068	0.0036	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.14	0.14	0.027	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	89.5			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	101			65.2-135 %		"	"	"	"	

U-PC4-1 (1105127-03) Soil Sampled: 10/20/11 10:45 Received: 10/21/11 12:00										
4,4'-DDD	<0.049	0.049	0.0024	mg/kg dry	1	B1J2410	10/24/11	10/27/11	EPA 8081A	
4,4'-DDE	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
Aldrin	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.049	0.049	0.0027	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.049	0.049	0.0027	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Endrin	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.049	0.049	0.0017	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.049	0.049	0.0024	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.098	0.098	0.020	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	93.5			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	98.5			65.2-135 %		"	"	"	"	

U-LWBC7-3 (1105127-04) Soil Sampled: 10/20/11 13:00 Received: 10/21/11 12:00										
4,4'-DDD	<0.082	0.082	0.0041	mg/kg dry	1	B1J2604	10/26/11	10/29/11	EPA 8081A	V7
4,4'-DDE	<0.082	0.082	0.0041	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.082	0.082	0.0041	mg/kg dry	1	"	"	"	"	V8
Aldrin	<0.082	0.082	0.0043	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.082	0.082	0.0041	mg/kg dry	1	"	"	"	"	V7

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-3 (1105127-04) Soil Sampled: 10/20/11 13:00 Received: 10/21/11 12:00										
alpha-Chlordane	<0.082	0.082	0.0041	mg/kg dry	1	B1J2604	10/26/11	10/29/11	EPA 8081A	
beta-BHC	<0.082	0.082	0.0045	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.082	0.082	0.0041	mg/kg dry	1	"	"	"	"	V7
Dieldrin	<0.082	0.082	0.0041	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.082	0.082	0.0045	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.082	0.082	0.0043	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.082	0.082	0.0043	mg/kg dry	1	"	"	"	"	
Endrin	<0.082	0.082	0.0041	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.082	0.082	0.0029	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.082	0.082	0.0043	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.082	0.082	0.0043	mg/kg dry	1	"	"	"	"	V7
gamma-Chlordane	<0.082	0.082	0.0043	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.082	0.082	0.0043	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.082	0.082	0.0041	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.082	0.082	0.0043	mg/kg dry	1	"	"	"	"	V8
Toxaphene	<0.16	0.16	0.033	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	491			83.7-130 %		"	"	"	"	S-04
Surrogate: Tetrachloro-meta-xylene	101			65.2-135 %		"	"	"	"	

U-LWBC5-1 (1105127-05) Soil Sampled: 10/20/11 15:00 Received: 10/21/11 12:00										
4,4'-DDD	<0.047	0.047	0.0024	mg/kg dry	1	B1J2604	10/26/11	10/29/11	EPA 8081A	V7
4,4'-DDE	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	V8
Aldrin	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	V7
alpha-Chlordane	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.047	0.047	0.0026	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	V7
Dieldrin	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.047	0.047	0.0026	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	
Endrin	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.047	0.047	0.0016	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	V7
gamma-Chlordane	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.047	0.047	0.0024	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.047	0.047	0.0025	mg/kg dry	1	"	"	"	"	V8

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC5-1 (1105127-05) Soil Sampled: 10/20/11 15:00 Received: 10/21/11 12:00										
Toxaphene	<0.094	0.094	0.019	mg/kg dry	1	B1J2604	10/26/11	10/29/11	EPA 8081A	
Surrogate: Decachlorobiphenyl	1090			83.7-130 %		"	"	"	"	S-04
Surrogate: Tetrachloro-meta-xylene	120			65.2-135 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-1 (1105127-01) Soil Sampled: 10/20/11 08:15 Received: 10/21/11 12:00										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J2606	10/26/11	10/27/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	8.1	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	0.73	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.54	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	0.055	0.70	0.035	mg/kg dry	1	"	"	"	"	J
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	0.11	0.70	0.033	mg/kg dry	1	"	"	"	"	J
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	1.5	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	1.3	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	4.7	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	14	3.4	0.43	mg/kg dry	10	"	"	10/27/11	"	
Benzo(a)pyrene	13	3.4	0.44	mg/kg dry	10	"	"	"	"	
Benzo(b)fluoranthene	23	3.4	0.45	mg/kg dry	10	"	"	"	"	
Benzo(g,h,i)perylene	6.4	0.34	0.045	mg/kg dry	1	"	"	10/27/11	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-1 (1105127-01) Soil Sampled: 10/20/11 08:15 Received: 10/21/11 12:00										
Benzo(k)fluoranthene	6.1	0.34	0.050	mg/kg dry	1	B1J2606	10/26/11	10/27/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	0.11	0.34	0.050	mg/kg dry	1	"	"	"	"	J
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	1.8	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	19	3.4	0.46	mg/kg dry	10	"	"	10/27/11	"	
Dibenz(a,h)anthracene	2.0	0.34	0.045	mg/kg dry	1	"	"	10/27/11	"	
Dibenzofuran	0.86	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	23	3.4	0.46	mg/kg dry	10	"	"	10/27/11	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	10/27/11	"	
Fluoranthene	33	3.4	0.41	mg/kg dry	10	"	"	10/27/11	"	
Fluorene	1.8	0.34	0.036	mg/kg dry	1	"	"	10/27/11	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	7.2	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	1.4	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	0.80	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	0.48	0.70	0.081	mg/kg dry	1	"	"	"	"	J
Phenanthrene	13	3.4	0.38	mg/kg dry	10	"	"	10/27/11	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	10/27/11	"	
Pyrene	27	3.4	0.43	mg/kg dry	10	"	"	10/27/11	"	
Surrogate: 2,4,6-Tribromophenol	55.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	48.0			53.9-97.9 %		"	"	"	"	S-GC
Surrogate: 2-Fluorophenol	49.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	58.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	56.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	58.7			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SANC4-1 (1105127-02) Soil Sampled: 10/20/11 10:00 Received: 10/21/11 12:00										
1,2,4-Trichlorobenzene	<0.053	0.56	0.053	mg/kg dry	1	B1J2606	10/26/11	10/27/11	EPA 8270C	
1,2-Dichlorobenzene	<0.056	0.56	0.056	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.061	0.56	0.061	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.053	0.56	0.053	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.049	0.56	0.049	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.13	1.1	0.13	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.063	1.1	0.063	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.14	1.1	0.14	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.13	1.1	0.13	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.14	1.1	0.14	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.054	1.1	0.054	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	0.11	0.56	0.059	mg/kg dry	1	"	"	"	"	J
2,6-Dichlorophenol	<0.12	1.1	0.12	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.066	0.56	0.066	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.058	0.56	0.058	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.10	1.1	0.10	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.061	0.56	0.061	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.058	1.1	0.058	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.064	0.56	0.064	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.14	1.1	0.14	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.054	1.1	0.054	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.25	2.7	0.25	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.046	0.56	0.046	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.058	1.1	0.058	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.056	0.56	0.056	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.11	1.1	0.11	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.046	1.1	0.046	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.061	0.56	0.061	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.058	0.56	0.058	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.16	1.1	0.16	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.064	0.56	0.064	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.069	0.56	0.069	mg/kg dry	1	"	"	"	"	
Aniline	<0.053	1.1	0.053	mg/kg dry	1	"	"	"	"	
Anthracene	0.081	0.56	0.061	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.32	4.2	0.32	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.12	0.56	0.069	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.11	0.56	0.071	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.14	0.56	0.073	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.073	0.56	0.073	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SANC4-1 (1105127-02) Soil Sampled: 10/20/11 10:00 Received: 10/21/11 12:00										
Benzo(k)fluoranthene	<0.081	0.56	0.081	mg/kg dry	1	B1J2606	10/26/11	10/27/11	EPA 8270C	
Benzoic acid	0.94	0.56	0.041	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.16	1.1	0.16	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.058	0.56	0.058	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.059	0.56	0.059	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.058	0.56	0.058	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.081	0.56	0.081	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.071	0.56	0.071	mg/kg dry	1	"	"	"	"	
Carbazole	<0.059	0.56	0.059	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.13	0.56	0.075	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.073	0.56	0.073	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.056	0.56	0.056	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.053	0.56	0.053	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.051	0.56	0.051	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.41	0.56	0.075	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.081	0.56	0.081	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.36	0.56	0.066	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.059	0.56	0.059	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.061	0.56	0.061	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.051	0.56	0.051	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.041	0.56	0.041	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.051	0.56	0.051	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.069	0.56	0.068	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.053	0.56	0.053	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.056	0.56	0.056	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.056	0.56	0.056	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.037	0.56	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.056	0.56	0.056	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.044	0.56	0.044	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.13	1.1	0.13	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.29	0.56	0.061	mg/kg dry	1	"	"	"	"	J
Phenol	<0.12	1.1	0.12	mg/kg dry	1	"	"	"	"	
Pyrene	0.27	0.56	0.069	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	86.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	67.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	74.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC4-1 (1105127-03) Soil Sampled: 10/20/11 10:45 Received: 10/21/11 12:00										
1,2,4-Trichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	B1J2606	10/26/11	10/27/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.82	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.091	0.82	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.073	0.82	0.073	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	2.0	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.82	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.82	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.090	0.40	0.046	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.82	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	0.21	0.40	0.044	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.38	0.40	0.050	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.27	0.40	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.29	0.40	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.12	0.40	0.052	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC4-1 (1105127-03) Soil Sampled: 10/20/11 10:45 Received: 10/21/11 12:00										
Benzo(k)fluoranthene	0.14	0.40	0.059	mg/kg dry	1	B1J2606	10/26/11	10/27/11	EPA 8270C	J
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	0.10	0.40	0.043	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	0.35	0.40	0.054	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	0.043	0.40	0.040	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.11	0.40	0.054	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.83	0.40	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	0.093	0.40	0.043	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.15	0.40	0.049	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.75	0.40	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
Pyrene	0.67	0.40	0.050	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	80.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-3 (1105127-04) Soil Sampled: 10/20/11 13:00 Received: 10/21/11 12:00										
1,2,4-Trichlorobenzene	<0.063	0.67	0.063	mg/kg dry	1	B1J2606	10/26/11	10/26/11	EPA 8270C	
1,2-Dichlorobenzene	<0.067	0.67	0.067	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.073	0.67	0.073	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.063	0.67	0.063	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.059	0.67	0.059	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.16	1.4	0.16	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.076	1.4	0.076	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.16	1.4	0.16	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.15	1.4	0.15	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.16	1.4	0.16	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.065	1.4	0.065	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.071	0.67	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.14	1.4	0.14	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.080	0.67	0.080	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.069	0.67	0.069	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.12	1.4	0.12	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	1.5	0.67	0.073	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.069	1.4	0.069	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.078	0.67	0.078	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.17	1.4	0.17	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	0.26	1.4	0.065	mg/kg dry	1	"	"	"	"	J
3,3'-Dichlorobenzidine	<0.31	3.3	0.31	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.055	0.67	0.055	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.069	1.4	0.069	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.067	0.67	0.067	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.13	1.4	0.13	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.055	1.4	0.055	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.073	0.67	0.073	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.069	0.67	0.069	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.19	1.4	0.19	mg/kg dry	1	"	"	"	"	
Acenaphthene	2.7	0.67	0.078	mg/kg dry	1	"	"	"	"	
Acenaphthylene	5.1	0.67	0.084	mg/kg dry	1	"	"	"	"	
Aniline	<0.063	1.4	0.063	mg/kg dry	1	"	"	"	"	
Anthracene	8.0	0.67	0.073	mg/kg dry	1	"	"	"	"	
Benzidine	<0.39	5.1	0.39	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	27	6.7	0.84	mg/kg dry	10	"	"	10/27/11	"	
Benzo(a)pyrene	30	6.7	0.86	mg/kg dry	10	"	"	"	"	
Benzo(b)fluoranthene	45	6.7	0.88	mg/kg dry	10	"	"	"	"	
Benzo(g,h,i)perylene	17	0.67	0.088	mg/kg dry	1	"	"	10/26/11	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-3 (1105127-04) Soil Sampled: 10/20/11 13:00 Received: 10/21/11 12:00										
Benzo(k)fluoranthene	12	0.67	0.098	mg/kg dry	1	B1J2606	10/26/11	10/26/11	EPA 8270C	
Benzoic acid	0.32	0.67	0.049	mg/kg dry	1	"	"	"	"	J
Benzyl alcohol	<0.19	1.4	0.19	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.069	0.67	0.069	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.071	0.67	0.071	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.069	0.67	0.069	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	0.19	0.67	0.098	mg/kg dry	1	"	"	"	"	J
Butyl benzyl phthalate	<0.086	0.67	0.086	mg/kg dry	1	"	"	"	"	
Carbazole	2.4	0.67	0.071	mg/kg dry	1	"	"	"	"	T-1
Chrysene	38	6.7	0.90	mg/kg dry	10	"	"	10/27/11	"	
Dibenz(a,h)anthracene	4.4	0.67	0.088	mg/kg dry	1	"	"	10/26/11	"	
Dibenzofuran	1.5	0.67	0.067	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.063	0.67	0.063	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.061	0.67	0.061	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.090	0.67	0.090	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.098	0.67	0.098	mg/kg dry	1	"	"	"	"	
Fluoranthene	42	6.7	0.80	mg/kg dry	10	"	"	10/27/11	"	
Fluorene	2.5	0.67	0.071	mg/kg dry	1	"	"	10/26/11	"	
Hexachlorobenzene	<0.073	0.67	0.073	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.061	0.67	0.061	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.049	0.67	0.049	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.061	0.67	0.061	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	17	0.67	0.082	mg/kg dry	1	"	"	"	"	
Isophorone	<0.063	0.67	0.063	mg/kg dry	1	"	"	"	"	
Naphthalene	8.0	0.67	0.067	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.067	0.67	0.067	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.045	0.67	0.045	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.067	0.67	0.067	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.053	0.67	0.053	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	0.35	1.4	0.16	mg/kg dry	1	"	"	"	"	J
Phenanthrene	12	0.67	0.073	mg/kg dry	1	"	"	"	"	
Phenol	<0.14	1.4	0.14	mg/kg dry	1	"	"	"	"	
Pyrene	39	6.7	0.84	mg/kg dry	10	"	"	10/27/11	"	
Surrogate: 2,4,6-Tribromophenol	91.9			53-107 %		"	"	10/26/11	"	
Surrogate: 2-Fluorobiphenyl	75.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	74.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	60.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	83.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	72.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC5-1 (1105127-05) Soil Sampled: 10/20/11 15:00 Received: 10/21/11 12:00										
1,2,4-Trichlorobenzene	<0.15	1.6	0.15	mg/kg dry	4	B1J2606	10/26/11	10/27/11	EPA 8270C	
1,2-Dichlorobenzene	<0.16	1.6	0.16	mg/kg dry	4	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.17	1.6	0.17	mg/kg dry	4	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.6	0.15	mg/kg dry	4	"	"	"	"	
1,4-Dichlorobenzene	<0.14	1.6	0.14	mg/kg dry	4	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.37	3.2	0.37	mg/kg dry	4	"	"	"	"	
2,4,5-Trichlorophenol	<0.17	3.2	0.17	mg/kg dry	4	"	"	"	"	
2,4,6-Trichlorophenol	<0.38	3.2	0.38	mg/kg dry	4	"	"	"	"	
2,4-Dichlorophenol	<0.35	3.2	0.35	mg/kg dry	4	"	"	"	"	
2,4-Dimethylphenol	<0.38	3.2	0.38	mg/kg dry	4	"	"	"	"	
2,4-Dinitrophenol	<0.15	3.2	0.15	mg/kg dry	4	"	"	"	"	
2,4-Dinitrotoluene	10	1.6	0.16	mg/kg dry	4	"	"	"	"	
2,6-Dichlorophenol	<0.32	3.2	0.32	mg/kg dry	4	"	"	"	"	
2,6-Dinitrotoluene	0.88	1.6	0.18	mg/kg dry	4	"	"	"	"	J
2-Chloronaphthalene	<0.16	1.6	0.16	mg/kg dry	4	"	"	"	"	
2-Chlorophenol	<0.28	3.2	0.28	mg/kg dry	4	"	"	"	"	
2-Methylnaphthalene	1.6	1.6	0.17	mg/kg dry	4	"	"	"	"	
2-Methylphenol	0.21	3.2	0.16	mg/kg dry	4	"	"	"	"	J
2-Nitroaniline	<0.18	1.6	0.18	mg/kg dry	4	"	"	"	"	
2-Nitrophenol	<0.40	3.2	0.40	mg/kg dry	4	"	"	"	"	
3&4-Methylphenol	0.60	3.2	0.15	mg/kg dry	4	"	"	"	"	J
3,3'-Dichlorobenzidine	<0.71	7.5	0.71	mg/kg dry	4	"	"	"	"	
3-Nitroaniline	<0.13	1.6	0.13	mg/kg dry	4	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.16	3.2	0.16	mg/kg dry	4	"	"	"	"	
4-Bromophenyl phenyl ether	<0.16	1.6	0.16	mg/kg dry	4	"	"	"	"	
4-Chloro-3-methylphenol	<0.31	3.2	0.31	mg/kg dry	4	"	"	"	"	
4-Chloroaniline	<0.13	3.2	0.13	mg/kg dry	4	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.17	1.6	0.17	mg/kg dry	4	"	"	"	"	
4-Nitroaniline	<0.16	1.6	0.16	mg/kg dry	4	"	"	"	"	
4-Nitrophenol	<0.44	3.2	0.44	mg/kg dry	4	"	"	"	"	
Acenaphthene	10	1.6	0.18	mg/kg dry	4	"	"	"	"	
Acenaphthylene	5.9	1.6	0.19	mg/kg dry	4	"	"	"	"	
Aniline	<0.15	3.2	0.15	mg/kg dry	4	"	"	"	"	
Anthracene	25	1.6	0.17	mg/kg dry	4	"	"	"	"	
Benzidine	<0.89	12	0.89	mg/kg dry	4	"	"	"	"	
Benzo(a)anthracene	57	16	1.9	mg/kg dry	40	"	"	10/27/11	"	
Benzo(a)pyrene	39	1.6	0.20	mg/kg dry	4	"	"	10/27/11	"	
Benzo(b)fluoranthene	74	16	2.0	mg/kg dry	40	"	"	10/27/11	"	
Benzo(g,h,i)perylene	18	1.6	0.20	mg/kg dry	4	"	"	10/27/11	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC5-1 (1105127-05) Soil Sampled: 10/20/11 15:00 Received: 10/21/11 12:00										
Benzo(k)fluoranthene	19	1.6	0.23	mg/kg dry	4	B1J2606	10/26/11	10/27/11	EPA 8270C	
Benzoic acid	<0.11	1.6	0.11	mg/kg dry	4	"	"	"	"	
Benzyl alcohol	<0.45	3.2	0.45	mg/kg dry	4	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.16	1.6	0.16	mg/kg dry	4	"	"	"	"	
Bis(2-chloroethyl)ether	<0.16	1.6	0.16	mg/kg dry	4	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.16	1.6	0.16	mg/kg dry	4	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.23	1.6	0.23	mg/kg dry	4	"	"	"	"	
Butyl benzyl phthalate	<0.20	1.6	0.20	mg/kg dry	4	"	"	"	"	
Carbazole	12	1.6	0.16	mg/kg dry	4	"	"	"	"	T-1
Chrysene	69	16	2.1	mg/kg dry	40	"	"	10/27/11	"	
Dibenz(a,h)anthracene	5.8	1.6	0.20	mg/kg dry	4	"	"	10/27/11	"	
Dibenzofuran	6.6	1.6	0.16	mg/kg dry	4	"	"	"	"	
Diethyl phthalate	<0.15	1.6	0.15	mg/kg dry	4	"	"	"	"	
Dimethyl phthalate	<0.14	1.6	0.14	mg/kg dry	4	"	"	"	"	
Di-n-butyl phthalate	7.4	1.6	0.21	mg/kg dry	4	"	"	"	"	
Di-n-octyl phthalate	<0.23	1.6	0.23	mg/kg dry	4	"	"	"	"	
Fluoranthene	150	16	1.8	mg/kg dry	40	"	"	10/27/11	"	
Fluorene	15	1.6	0.16	mg/kg dry	4	"	"	10/27/11	"	
Hexachlorobenzene	<0.17	1.6	0.17	mg/kg dry	4	"	"	"	"	
Hexachlorobutadiene	<0.14	1.6	0.14	mg/kg dry	4	"	"	"	"	
Hexachlorocyclopentadiene	<0.11	1.6	0.11	mg/kg dry	4	"	"	"	"	
Hexachloroethane	<0.14	1.6	0.14	mg/kg dry	4	"	"	"	"	
Indeno (1,2,3-cd) pyrene	22	1.6	0.19	mg/kg dry	4	"	"	"	"	
Isophorone	<0.15	1.6	0.15	mg/kg dry	4	"	"	"	"	
Naphthalene	4.0	1.6	0.16	mg/kg dry	4	"	"	"	"	
Nitrobenzene	<0.16	1.6	0.16	mg/kg dry	4	"	"	"	"	
N-Nitrosodimethylamine	<0.10	1.6	0.10	mg/kg dry	4	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.16	1.6	0.16	mg/kg dry	4	"	"	"	"	
N-Nitrosodiphenylamine	<0.12	1.6	0.12	mg/kg dry	4	"	"	"	"	
Pentachlorophenol	<0.37	3.2	0.37	mg/kg dry	4	"	"	"	"	
Phenanthrene	110	16	1.7	mg/kg dry	40	"	"	10/27/11	"	
Phenol	<0.32	3.2	0.32	mg/kg dry	4	"	"	10/27/11	"	
Pyrene	110	16	1.9	mg/kg dry	40	"	"	10/27/11	"	
Surrogate: 2,4,6-Tribromophenol	84.5			53-107 %		"	"	10/27/11	"	
Surrogate: 2-Fluorobiphenyl	82.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	71.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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FB-1 (1105127-07) Water **Sampled: 10/20/11 00:00** **Received: 10/21/11 12:00**

1,2,4-Trichlorobenzene	<0.30	10	0.30	ug/L	1	B1J2409	10/24/11	10/25/11	EPA 8270C	
1,2-Dichlorobenzene	<0.33	10	0.33	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.26	10	0.26	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.31	10	0.31	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.29	10	0.29	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.96	10	0.96	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.59	10	0.59	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.59	10	0.59	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.63	10	0.63	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.57	10	0.57	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.2	10	1.2	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.45	10	0.45	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.50	10	0.50	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.53	10	0.53	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.60	10	0.60	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.39	10	0.39	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.88	10	0.88	ug/L	1	"	"	"	"	
2-Methylphenol	<0.48	10	0.48	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.60	10	0.60	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.93	10	0.93	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.41	10	0.41	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<7.2	25	7.2	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.1	10	1.1	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<1.0	10	1.0	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.42	10	0.42	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.48	10	0.48	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.3	10	1.3	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.31	10	0.31	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.90	10	0.90	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.78	10	0.78	ug/L	1	"	"	"	"	
Acenaphthene	<0.60	10	0.60	ug/L	1	"	"	"	"	
Acenaphthylene	<0.55	10	0.55	ug/L	1	"	"	"	"	
Aniline	<1.6	10	1.6	ug/L	1	"	"	"	"	
Anthracene	<0.56	10	0.56	ug/L	1	"	"	"	"	
Benzidine	<7.6	100	7.6	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.50	10	0.50	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.41	10	0.41	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.44	10	0.44	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.46	10	0.46	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1105127-07) Water Sampled: 10/20/11 00:00 Received: 10/21/11 12:00										
Benzo(k)fluoranthene	<0.49	10	0.49	ug/L	1	B1J2409	10/24/11	10/25/11	EPA 8270C	
Benzoic acid	<0.52	10	0.52	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.2	10	1.2	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.27	10	0.27	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.22	10	0.22	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.23	10	0.23	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.81	10	0.81	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.45	10	0.45	ug/L	1	"	"	"	"	
Carbazole	<0.33	10	0.33	ug/L	1	"	"	"	"	T-1
Chrysene	<0.61	10	0.61	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.55	10	0.55	ug/L	1	"	"	"	"	
Dibenzofuran	<0.59	10	0.59	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.30	10	0.30	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.33	10	0.33	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.39	10	0.39	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.67	10	0.67	ug/L	1	"	"	"	"	
Fluoranthene	<0.61	10	0.61	ug/L	1	"	"	"	"	
Fluorene	<0.52	10	0.52	ug/L	1	"	"	"	"	L1a
Hexachlorobenzene	<0.40	10	0.40	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.41	10	0.41	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.35	10	0.35	ug/L	1	"	"	"	"	
Hexachloroethane	<0.33	10	0.33	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.39	10	0.39	ug/L	1	"	"	"	"	
Isophorone	<0.26	10	0.26	ug/L	1	"	"	"	"	
Naphthalene	<0.52	10	0.52	ug/L	1	"	"	"	"	
Nitrobenzene	<0.37	10	0.37	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.48	10	0.48	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.25	10	0.25	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.38	10	0.38	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.90	10	0.90	ug/L	1	"	"	"	"	
Phenanthrene	<0.35	10	0.35	ug/L	1	"	"	"	"	
Phenol	<0.41	10	0.41	ug/L	1	"	"	"	"	
Pyrene	<0.66	10	0.66	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.9			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.8			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.8			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.9			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	57.7			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.6			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-1 (1105127-01) Soil										W-03
Sampled: 10/20/11 08:15 Received: 10/21/11 12:00										
1,1,1,2-Tetrachloroethane	<0.10	0.44	0.10	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1,1-Trichloroethane	<0.057	0.44	0.057	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.046	0.44	0.046	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.060	0.44	0.060	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.12	0.44	0.12	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.041	0.44	0.041	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.037	0.44	0.037	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.042	0.44	0.042	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.048	0.88	0.048	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	0.038	0.44	0.032	mg/kg dry	1	"	"	"	"	J
1,2-Dibromo-3-chloropropane	<0.12	0.88	0.12	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.039	0.44	0.039	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.035	0.44	0.035	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.055	0.44	0.055	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.035	0.44	0.035	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.046	0.44	0.046	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.039	0.44	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.44	0.030	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.16	3.5	0.16	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.025	0.44	0.025	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.037	0.44	0.037	mg/kg dry	1	"	"	"	"	
Acetone	1.0	3.5	0.34	mg/kg dry	1	"	"	"	"	J, B-01
Allyl chloride	<0.10	0.88	0.10	mg/kg dry	1	"	"	"	"	
Benzene	<0.027	0.44	0.027	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.065	0.44	0.065	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
Bromoform	<0.048	0.88	0.048	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.19	0.88	0.19	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.060	0.44	0.060	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.034	0.44	0.034	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.065	0.44	0.065	mg/kg dry	1	"	"	"	"	
Chloroform	<0.037	0.44	0.037	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.11	0.44	0.11	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.046	0.44	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-1 (1105127-01) Soil										W-03
Sampled: 10/20/11 08:15 Received: 10/21/11 12:00										
cis-1,3-Dichloropropene	<0.039	0.44	0.039	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
Dibromochloromethane	<0.060	0.44	0.060	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.051	0.44	0.051	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.18	0.88	0.18	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.067	0.44	0.067	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.067	0.88	0.067	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.019	0.44	0.019	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.12	1.8	0.12	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.034	0.44	0.034	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.083	0.88	0.083	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.15	0.88	0.15	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.028	0.44	0.028	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.32	1.8	0.10	mg/kg dry	1	"	"	"	"	J
Naphthalene	0.82	0.88	0.097	mg/kg dry	1	"	"	"	"	J
n-Butylbenzene	<0.048	0.44	0.048	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.037	0.44	0.037	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.025	0.44	0.025	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.030	0.44	0.030	mg/kg dry	1	"	"	"	"	
Styrene	<0.035	0.44	0.035	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.032	0.44	0.032	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.050	0.44	0.050	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	0.55	3.5	0.21	mg/kg dry	1	"	"	"	"	B-01, T-1, J
Toluene	0.22	0.44	0.028	mg/kg dry	1	"	"	"	"	J
trans-1,2-Dichloroethene	<0.053	0.44	0.053	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.041	0.44	0.041	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.073	0.44	0.073	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.062	0.44	0.062	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.11	0.44	0.11	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	111			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.6			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	98.7			78.1-125 %		"	"	"	"	

U-SANC4-1 (1105127-02) Soil										W-03
Sampled: 10/20/11 10:00 Received: 10/21/11 12:00										
1,1,1,2-Tetrachloroethane	<0.13	0.57	0.13	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1,1-Trichloroethane	<0.073	0.57	0.073	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.059	0.57	0.059	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.077	0.57	0.077	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.15	0.57	0.15	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.052	0.57	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SANC4-1 (1105127-02) Soil										W-03
Sampled: 10/20/11 10:00 Received: 10/21/11 12:00										
1,1-Dichloroethene	<0.057	0.57	0.057	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1-Dichloropropene	<0.048	0.57	0.048	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.14	1.1	0.14	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.054	0.57	0.054	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.061	1.1	0.061	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.041	0.57	0.041	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.16	1.1	0.16	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.050	0.57	0.050	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.045	0.57	0.045	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.061	0.57	0.061	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.070	0.57	0.070	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.045	0.57	0.045	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.059	0.57	0.059	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.050	0.57	0.050	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.039	0.57	0.039	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.14	1.1	0.14	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.20	4.5	0.20	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.032	0.57	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.048	0.57	0.048	mg/kg dry	1	"	"	"	"	
Acetone	1.1	4.5	0.43	mg/kg dry	1	"	"	"	"	J, B-01
Allyl chloride	<0.13	1.1	0.13	mg/kg dry	1	"	"	"	"	
Benzene	<0.034	0.57	0.034	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.061	0.57	0.061	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.084	0.57	0.084	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.061	0.57	0.061	mg/kg dry	1	"	"	"	"	
Bromoform	<0.061	1.1	0.061	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.25	1.1	0.25	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.077	0.57	0.077	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.043	0.57	0.043	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.084	0.57	0.084	mg/kg dry	1	"	"	"	"	
Chloroform	<0.048	0.57	0.048	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.14	0.57	0.14	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.059	0.57	0.059	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.050	0.57	0.050	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.077	0.57	0.077	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.066	0.57	0.066	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.22	1.1	0.22	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.086	0.57	0.086	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.086	1.1	0.086	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SANC4-1 (1105127-02) Soil										W-03
Sampled: 10/20/11 10:00 Received: 10/21/11 12:00										
Ethylbenzene	<0.025	0.57	0.025	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
Hexachlorobutadiene	<0.16	2.3	0.16	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.043	0.57	0.043	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.11	1.1	0.11	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.19	1.1	0.19	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.036	0.57	0.036	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.45	2.3	0.13	mg/kg dry	1	"	"	"	"	J
Naphthalene	<0.12	1.1	0.12	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.061	0.57	0.061	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.048	0.57	0.048	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.057	0.57	0.057	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.032	0.57	0.032	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.039	0.57	0.039	mg/kg dry	1	"	"	"	"	
Styrene	<0.045	0.57	0.045	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.041	0.57	0.041	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.064	0.57	0.064	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	0.82	4.5	0.27	mg/kg dry	1	"	"	"	"	J, B-01, T-1
Toluene	<0.036	0.57	0.036	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.068	0.57	0.068	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.052	0.57	0.052	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.093	0.57	0.093	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.079	0.57	0.079	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.15	0.57	0.15	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	108			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.7			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	97.4			78.1-125 %		"	"	"	"	

U-PC4-1 (1105127-03) Soil										
Sampled: 10/20/11 10:45 Received: 10/21/11 12:00										
1,1,1,2-Tetrachloroethane	<0.072	0.30	0.072	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1,1-Trichloroethane	<0.039	0.30	0.039	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.032	0.30	0.032	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.041	0.30	0.041	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.083	0.30	0.083	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.028	0.30	0.028	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.030	0.30	0.030	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.026	0.30	0.026	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.074	0.61	0.074	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.029	0.30	0.029	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.033	0.61	0.033	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.022	0.30	0.022	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC4-1 (1105127-03) Soil Sampled: 10/20/11 10:45 Received: 10/21/11 12:00										
1,2-Dibromo-3-chloropropane	<0.084	0.61	0.084	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.027	0.30	0.027	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.024	0.30	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.033	0.30	0.033	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.038	0.30	0.038	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.024	0.30	0.024	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.30	0.032	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.027	0.30	0.027	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.021	0.30	0.021	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.073	0.61	0.073	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.11	2.4	0.11	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.017	0.30	0.017	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.026	0.30	0.026	mg/kg dry	1	"	"	"	"	
Acetone	0.83	2.4	0.23	mg/kg dry	1	"	"	"	"	J, B-01
Allyl chloride	<0.071	0.61	0.071	mg/kg dry	1	"	"	"	"	
Benzene	<0.018	0.30	0.018	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.033	0.30	0.033	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.045	0.30	0.045	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.033	0.30	0.033	mg/kg dry	1	"	"	"	"	
Bromoform	<0.033	0.61	0.033	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.13	0.61	0.13	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.041	0.30	0.041	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.023	0.30	0.023	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.045	0.30	0.045	mg/kg dry	1	"	"	"	"	
Chloroform	<0.026	0.30	0.026	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.074	0.30	0.074	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.032	0.30	0.032	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.027	0.30	0.027	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.041	0.30	0.041	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.035	0.30	0.035	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.12	0.61	0.12	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.046	0.30	0.046	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.046	0.61	0.046	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.013	0.30	0.013	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.084	1.2	0.084	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.023	0.30	0.023	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.057	0.61	0.057	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.10	0.61	0.10	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.020	0.30	0.020	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC4-1 (1105127-03) Soil Sampled: 10/20/11 10:45 Received: 10/21/11 12:00										
Methylene chloride	0.23	1.2	0.071	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	J
Naphthalene	<0.067	0.61	0.067	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.033	0.30	0.033	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.026	0.30	0.026	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.030	0.30	0.030	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.017	0.30	0.017	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.021	0.30	0.021	mg/kg dry	1	"	"	"	"	
Styrene	<0.024	0.30	0.024	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.022	0.30	0.022	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.034	0.30	0.034	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	0.37	2.4	0.15	mg/kg dry	1	"	"	"	"	B-01, T-1, J
Toluene	<0.020	0.30	0.020	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.037	0.30	0.037	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.028	0.30	0.028	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.050	0.30	0.050	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.043	0.30	0.043	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.079	0.30	0.079	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	110			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	95.4			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	98.7			78.1-125 %		"	"	"	"	
U-LWBC7-3 (1105127-04) Soil Sampled: 10/20/11 13:00 Received: 10/21/11 12:00										
1,1,1,2-Tetrachloroethane	<0.12	0.51	0.12	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1,1-Trichloroethane	<0.065	0.51	0.065	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.053	0.51	0.053	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.069	0.51	0.069	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.14	0.51	0.14	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.047	0.51	0.047	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.051	0.51	0.051	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.043	0.51	0.043	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.12	1.0	0.12	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.049	0.51	0.049	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.055	1.0	0.055	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	0.047	0.51	0.037	mg/kg dry	1	"	"	"	"	J
1,2-Dibromo-3-chloropropane	<0.14	1.0	0.14	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.045	0.51	0.045	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.041	0.51	0.041	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.055	0.51	0.055	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.063	0.51	0.063	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.041	0.51	0.041	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-3 (1105127-04) Soil Sampled: 10/20/11 13:00 Received: 10/21/11 12:00										
1,3-Dichlorobenzene	<0.053	0.51	0.053	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,3-Dichloropropane	<0.045	0.51	0.045	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.51	0.035	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.12	1.0	0.12	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.18	4.1	0.18	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.029	0.51	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.043	0.51	0.043	mg/kg dry	1	"	"	"	"	
Acetone	0.88	4.1	0.39	mg/kg dry	1	"	"	"	"	J, B-01
Allyl chloride	<0.12	1.0	0.12	mg/kg dry	1	"	"	"	"	
Benzene	<0.031	0.51	0.031	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.055	0.51	0.055	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.076	0.51	0.076	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.055	0.51	0.055	mg/kg dry	1	"	"	"	"	
Bromoform	<0.055	1.0	0.055	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.22	1.0	0.22	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.069	0.51	0.069	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.039	0.51	0.039	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.076	0.51	0.076	mg/kg dry	1	"	"	"	"	
Chloroform	<0.043	0.51	0.043	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.12	0.51	0.12	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.053	0.51	0.053	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.045	0.51	0.045	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.069	0.51	0.069	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.059	0.51	0.059	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.20	1.0	0.20	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.078	0.51	0.078	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.078	1.0	0.078	mg/kg dry	1	"	"	"	"	
Ethylbenzene	0.082	0.51	0.022	mg/kg dry	1	"	"	"	"	J
Hexachlorobutadiene	<0.14	2.0	0.14	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.039	0.51	0.039	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.096	1.0	0.096	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.17	1.0	0.17	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.033	0.51	0.033	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.40	2.0	0.12	mg/kg dry	1	"	"	"	"	J
Naphthalene	7.5	1.0	0.11	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.055	0.51	0.055	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.043	0.51	0.043	mg/kg dry	1	"	"	"	"	
o-Xylene	0.053	0.51	0.051	mg/kg dry	1	"	"	"	"	J
p-Isopropyltoluene	<0.029	0.51	0.029	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC7-3 (1105127-04) Soil Sampled: 10/20/11 13:00 Received: 10/21/11 12:00										
sec-Butylbenzene	<0.035	0.51	0.035	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
Styrene	<0.041	0.51	0.041	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.037	0.51	0.037	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.057	0.51	0.057	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	0.75	4.1	0.24	mg/kg dry	1	"	"	"	"	B-01, T-1, J
Toluene	0.12	0.51	0.033	mg/kg dry	1	"	"	"	"	J
trans-1,2-Dichloroethene	<0.061	0.51	0.061	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.047	0.51	0.047	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.084	0.51	0.084	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.071	0.51	0.071	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.13	0.51	0.13	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	108			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	96.4			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	96.5			78.1-125 %		"	"	"	"	

U-LWBC5-1 (1105127-05) Soil Sampled: 10/20/11 15:00 Received: 10/21/11 12:00											W-03
1,1,1,2-Tetrachloroethane	<0.12	0.52	0.12	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B		
1,1,1-Trichloroethane	<0.066	0.52	0.066	mg/kg dry	1	"	"	"	"		
1,1,2,2-Tetrachloroethane	<0.054	0.52	0.054	mg/kg dry	1	"	"	"	"		
1,1,2-Trichloroethane	<0.070	0.52	0.070	mg/kg dry	1	"	"	"	"		
1,1,2-Trichlorotrifluoroethane	<0.14	0.52	0.14	mg/kg dry	1	"	"	"	"	T-1	
1,1-Dichloroethane	<0.048	0.52	0.048	mg/kg dry	1	"	"	"	"		
1,1-Dichloroethene	<0.052	0.52	0.052	mg/kg dry	1	"	"	"	"		
1,1-Dichloropropene	<0.043	0.52	0.043	mg/kg dry	1	"	"	"	"		
1,2,3-Trichlorobenzene	<0.13	1.0	0.13	mg/kg dry	1	"	"	"	"		
1,2,3-Trichloropropane	<0.050	0.52	0.050	mg/kg dry	1	"	"	"	"		
1,2,4-Trichlorobenzene	<0.056	1.0	0.056	mg/kg dry	1	"	"	"	"		
1,2,4-Trimethylbenzene	<0.037	0.52	0.037	mg/kg dry	1	"	"	"	"		
1,2-Dibromo-3-chloropropane	<0.14	1.0	0.14	mg/kg dry	1	"	"	"	"		
1,2-Dibromoethane (EDB)	<0.046	0.52	0.046	mg/kg dry	1	"	"	"	"		
1,2-Dichlorobenzene	<0.041	0.52	0.041	mg/kg dry	1	"	"	"	"		
1,2-Dichloroethane	<0.056	0.52	0.056	mg/kg dry	1	"	"	"	"		
1,2-Dichloropropane	<0.064	0.52	0.064	mg/kg dry	1	"	"	"	"		
1,3,5-Trimethylbenzene	<0.041	0.52	0.041	mg/kg dry	1	"	"	"	"		
1,3-Dichlorobenzene	<0.054	0.52	0.054	mg/kg dry	1	"	"	"	"		
1,3-Dichloropropane	<0.046	0.52	0.046	mg/kg dry	1	"	"	"	"		
1,4-Dichlorobenzene	<0.035	0.52	0.035	mg/kg dry	1	"	"	"	"		
2,2-Dichloropropane	<0.12	1.0	0.12	mg/kg dry	1	"	"	"	"		
2-Butanone	<0.18	4.1	0.18	mg/kg dry	1	"	"	"	"		
2-Chlorotoluene	<0.029	0.52	0.029	mg/kg dry	1	"	"	"	"		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC5-1 (1105127-05) Soil										W-03
Sampled: 10/20/11 15:00 Received: 10/21/11 12:00										
4-Chlorotoluene	<0.043	0.52	0.043	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
Acetone	0.96	4.1	0.39	mg/kg dry	1	"	"	"	"	J, B-01
Allyl chloride	<0.12	1.0	0.12	mg/kg dry	1	"	"	"	"	
Benzene	<0.031	0.52	0.031	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.056	0.52	0.056	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.077	0.52	0.077	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.056	0.52	0.056	mg/kg dry	1	"	"	"	"	
Bromoform	<0.056	1.0	0.056	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.23	1.0	0.23	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.070	0.52	0.070	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.039	0.52	0.039	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.077	0.52	0.077	mg/kg dry	1	"	"	"	"	
Chloroform	<0.043	0.52	0.043	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.13	0.52	0.13	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.054	0.52	0.054	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.046	0.52	0.046	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.070	0.52	0.070	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.060	0.52	0.060	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.21	1.0	0.21	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.079	0.52	0.079	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.079	1.0	0.079	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.023	0.52	0.023	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.14	2.1	0.14	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.039	0.52	0.039	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.097	1.0	0.097	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.17	1.0	0.17	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.033	0.52	0.033	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.41	2.1	0.12	mg/kg dry	1	"	"	"	"	J
Naphthalene	0.68	1.0	0.11	mg/kg dry	1	"	"	"	"	J
n-Butylbenzene	<0.056	0.52	0.056	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.043	0.52	0.043	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.052	0.52	0.052	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.029	0.52	0.029	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.035	0.52	0.035	mg/kg dry	1	"	"	"	"	
Styrene	<0.041	0.52	0.041	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.037	0.52	0.037	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.058	0.52	0.058	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	0.62	4.1	0.25	mg/kg dry	1	"	"	"	"	J, B-01, T-1
Toluene	<0.033	0.52	0.033	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC5-1 (1105127-05) Soil Sampled: 10/20/11 15:00 Received: 10/21/11 12:00										W-03
trans-1,2-Dichloroethene	<0.062	0.52	0.062	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
trans-1,3-Dichloropropene	<0.048	0.52	0.048	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.085	0.52	0.085	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.072	0.52	0.072	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.13	0.52	0.13	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	110			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	96.1			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	100			78.1-125 %		"	"	"	"	

Trip Blank (1105127-09) Methanol Sampled: 10/20/11 00:00 Received: 10/21/11 12:00										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	0.63	2.0	0.19	mg/kg wet	1	"	"	"	"	J, B-01
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105127-09) Methanol Sampled: 10/20/11 00:00 Received: 10/21/11 12:00										
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	0.21	1.0	0.058	mg/kg wet	1	"	"	"	"	J
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	0.34	2.0	0.12	mg/kg wet	1	"	"	"	"	B-01, T-1, J
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	111			80-124 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105127-09) Methanol Sampled: 10/20/11 00:00 Received: 10/21/11 12:00										
Surrogate: Dibromofluoromethane	97.9			77.1-123 %		B1J2441	10/24/11	10/24/11	EPA 8260B	
Surrogate: Toluene-d8	98.3			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2405 - EPA 200.7/3005A Digestion

Blank (B1J2405-BLK1)

Prepared: 10/24/11 Analyzed: 10/26/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1J2405-BS1)

Prepared: 10/24/11 Analyzed: 10/26/11

Arsenic	0.407	0.010	0.0011	mg/L	0.399		102	80-120			
Barium	0.435	0.020	0.0012	mg/L	0.399		109	80-120			
Cadmium	0.408	0.0010	0.00013	mg/L	0.399		102	80-120			
Chromium	0.418	0.010	0.00024	mg/L	0.399		105	80-120			
Lead	0.430	0.0030	0.00042	mg/L	0.399		108	80-120			
Selenium	0.409	0.020	0.0019	mg/L	0.399		102	80-120			
Silver	0.0411	0.0050	0.00031	mg/L	0.0399		103	80-120			

LCS Dup (B1J2405-BSD1)

Prepared: 10/24/11 Analyzed: 10/26/11

Arsenic	0.409	0.010	0.0011	mg/L	0.399		102	80-120	0.364	20	
Barium	0.435	0.020	0.0012	mg/L	0.399		109	80-120	0.0494	20	
Cadmium	0.406	0.0010	0.00013	mg/L	0.399		102	80-120	0.659	20	
Chromium	0.418	0.010	0.00024	mg/L	0.399		105	80-120	0.0380	20	
Lead	0.430	0.0030	0.00042	mg/L	0.399		108	80-120	0.0339	20	
Selenium	0.409	0.020	0.0019	mg/L	0.399		102	80-120	0.0220	20	
Silver	0.0410	0.0050	0.00031	mg/L	0.0399		103	80-120	0.320	20	

Matrix Spike (B1J2405-MS1)

Source: 1105075-06

Prepared: 10/24/11 Analyzed: 10/26/11

Arsenic	0.407	0.010	0.0011	mg/L	0.399	<0.010	102	75-125			
Barium	0.432	0.020	0.0012	mg/L	0.399	<0.020	108	75-125			
Cadmium	0.411	0.0010	0.00013	mg/L	0.399	<0.0010	103	75-125			
Chromium	0.419	0.010	0.00024	mg/L	0.399	<0.010	105	75-125			
Lead	0.433	0.0030	0.00042	mg/L	0.399	<0.0030	109	75-125			
Selenium	0.408	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0412	0.0050	0.00031	mg/L	0.0399	<0.0050	103	75-125			

Matrix Spike Dup (B1J2405-MSD1)

Source: 1105075-06

Prepared: 10/24/11 Analyzed: 10/26/11

Arsenic	0.403	0.010	0.0011	mg/L	0.399	<0.010	101	75-125	1.00	20	
Barium	0.430	0.020	0.0012	mg/L	0.399	<0.020	107	75-125	0.595	20	
Cadmium	0.400	0.0010	0.00013	mg/L	0.399	<0.0010	100	75-125	2.51	20	
Chromium	0.412	0.010	0.00024	mg/L	0.399	<0.010	103	75-125	1.63	20	
Lead	0.425	0.0030	0.00042	mg/L	0.399	<0.0030	106	75-125	2.05	20	
Selenium	0.403	0.020	0.0019	mg/L	0.399	<0.020	101	75-125	1.19	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2405 - EPA 200.7/3005A Digestion

Matrix Spike Dup (B1J2405-MSD1)

Source: 1105075-06

Prepared: 10/24/11 Analyzed: 10/26/11

Silver	0.0411	0.0050	0.00031	mg/L	0.0399	<0.0050	103	75-125	0.318	20	
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Batch B1J2615 - EPA 7471A

Blank (B1J2615-BLK1)

Prepared: 10/26/11 Analyzed: 10/28/11

Mercury	< 0.10	0.10	0.019	mg/kg wet							
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LCS (B1J2615-BS1)

Prepared: 10/26/11 Analyzed: 10/28/11

Mercury	0.173	0.10	0.019	mg/kg wet	0.200		86.5	80-120			
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LCS Dup (B1J2615-BSD1)

Prepared: 10/26/11 Analyzed: 10/28/11

Mercury	0.197	0.10	0.019	mg/kg wet	0.200		98.5	80-120	13.0	20	
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Matrix Spike (B1J2615-MS1)

Source: 1105127-01

Prepared: 10/26/11 Analyzed: 10/28/11

Mercury	14.7	2.6	0.49	mg/kg dry	0.204	14.6	47.0	75-125			M3
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Matrix Spike Dup (B1J2615-MSD1)

Source: 1105127-01

Prepared: 10/26/11 Analyzed: 10/28/11

Mercury	13.5	2.4	0.45	mg/kg dry	0.191	14.6	NR	75-125	8.46	20	M3
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Batch B1J2618 - EPA 3050B

Blank (B1J2618-BLK1)

Prepared: 10/26/11 Analyzed: 10/27/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J2618-BS1)

Prepared: 10/26/11 Analyzed: 10/27/11

Arsenic	38.2	0.50	0.055	mg/kg wet	39.9		95.7	80-120			
Barium	40.6	1.0	0.060	mg/kg wet	39.9		102	80-120			
Cadmium	38.7	0.25	0.033	mg/kg wet	39.9		97.1	80-120			
Chromium	39.1	0.50	0.012	mg/kg wet	39.9		98.1	80-120			
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120			
Selenium	38.6	1.0	0.095	mg/kg wet	39.9		96.8	80-120			
Silver	3.88	0.25	0.016	mg/kg wet	3.99		97.2	80-120			

LCS Dup (B1J2618-BSD1)

Prepared: 10/26/11 Analyzed: 10/27/11

Arsenic	38.4	0.50	0.055	mg/kg wet	39.9		96.2	80-120	0.577	20	
Barium	40.4	1.0	0.060	mg/kg wet	39.9		101	80-120	0.458	20	
Cadmium	38.6	0.25	0.033	mg/kg wet	39.9		96.8	80-120	0.325	20	
Chromium	39.0	0.50	0.012	mg/kg wet	39.9		97.7	80-120	0.379	20	
Lead	40.8	1.0	0.14	mg/kg wet	39.9		102	80-120	0.0737	20	
Selenium	38.6	1.0	0.095	mg/kg wet	39.9		96.7	80-120	0.144	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2618 - EPA 3050B											
LCS Dup (B1J2618-BSD1)											
						Prepared: 10/26/11	Analyzed: 10/27/11				
Silver	3.88	0.25	0.016	mg/kg wet	3.99		97.1	80-120	0.101	20	
Matrix Spike (B1J2618-MS1)											
						Source: 1105097-05	Prepared: 10/26/11 Analyzed: 10/27/11				
Arsenic	45.7	0.58	0.064	mg/kg dry	46.1	7.53	82.7	75-125			
Barium	162	1.2	0.070	mg/kg dry	46.1	124	81.2	75-125			
Cadmium	40.2	0.29	0.038	mg/kg dry	46.1	<0.29	86.8	75-125			
Chromium	60.8	0.58	0.014	mg/kg dry	46.1	19.6	89.3	75-125			
Lead	51.7	1.2	0.16	mg/kg dry	46.1	10.1	90.2	75-125			
Selenium	37.9	1.2	0.11	mg/kg dry	46.1	<1.2	81.7	75-125			
Silver	3.89	0.29	0.019	mg/kg dry	4.61	<0.29	84.2	75-125			
Matrix Spike Dup (B1J2618-MSD1)											
						Source: 1105097-05	Prepared: 10/26/11 Analyzed: 10/27/11				
Arsenic	45.7	0.58	0.064	mg/kg dry	46.1	7.53	82.7	75-125	0.0449	20	
Barium	163	1.2	0.070	mg/kg dry	46.1	124	85.5	75-125	1.20	20	
Cadmium	39.9	0.29	0.038	mg/kg dry	46.1	<0.29	86.3	75-125	0.601	20	
Chromium	60.1	0.58	0.014	mg/kg dry	46.1	19.6	87.9	75-125	1.15	20	
Lead	49.8	1.2	0.16	mg/kg dry	46.1	10.1	86.1	75-125	3.76	20	
Selenium	38.1	1.2	0.11	mg/kg dry	46.1	<1.2	82.2	75-125	0.549	20	
Silver	3.84	0.29	0.019	mg/kg dry	4.61	<0.29	83.3	75-125	1.22	20	
Batch B1J2713 - EPA 245.1/7470A Digestion											
Blank (B1J2713-BLK1)											
						Prepared: 10/27/11	Analyzed: 10/28/11				
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1J2713-BS1)											
						Prepared: 10/27/11	Analyzed: 10/28/11				
Mercury	0.00177	0.00020	0.000037	mg/L	0.00200		88.5	80-120			
LCS Dup (B1J2713-BSD1)											
						Prepared: 10/27/11	Analyzed: 10/28/11				
Mercury	0.00189	0.00020	0.000037	mg/L	0.00200		94.5	80-120	6.56	20	
Matrix Spike (B1J2713-MS1)											
						Source: 1105127-07	Prepared: 10/27/11 Analyzed: 10/28/11				
Mercury	0.00180	0.00020	0.000037	mg/L	0.00200	<0.00020	90.0	75-125			
Matrix Spike Dup (B1J2713-MSD1)											
						Source: 1105127-07	Prepared: 10/27/11 Analyzed: 10/28/11				
Mercury	0.00182	0.00020	0.000037	mg/L	0.00200	<0.00020	91.0	75-125	1.10	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2114 - EPA 3510C (Sep Funnel)

Blank (B1J2114-BLK1)

Prepared: 10/21/11 Analyzed: 10/24/11

Aroclor 1016	< 2.0	2.0	0.27	ug/L							
Aroclor 1221	< 2.0	2.0	0.51	ug/L							
Aroclor 1232	< 2.0	2.0	0.23	ug/L							
Aroclor 1242	< 2.0	2.0	0.19	ug/L							
Aroclor 1248	< 2.0	2.0	0.28	ug/L							
Aroclor 1254	< 2.0	2.0	0.43	ug/L							
Aroclor 1260	< 2.0	2.0	0.17	ug/L							
Surrogate: Decachlorobiphenyl	0.890			ug/L	1.00		89.0	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.695			ug/L	1.00		69.5	58.9-107			

LCS (B1J2114-BS1)

Prepared: 10/21/11 Analyzed: 10/24/11

Aroclor 1260	5.60	2.0	0.17	ug/L	5.00		112	70-130			
Surrogate: Decachlorobiphenyl	1.08			ug/L	1.00		108	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.935			ug/L	1.00		93.5	58.9-107			

LCS Dup (B1J2114-BSD1)

Prepared: 10/21/11 Analyzed: 10/24/11

Q9, QM-10

Aroclor 1260	4.60	2.0	0.17	ug/L	5.00		92.1	70-130	19.4	20	
Surrogate: Decachlorobiphenyl	0.880			ug/L	1.00		88.0	65.6-114			
Surrogate: Tetrachloro-meta-xylene	0.640			ug/L	1.00		64.0	58.9-107			

Batch B1J2406 - EPA 3545 ASE Extraction

Blank (B1J2406-BLK1)

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0553			mg/kg wet	0.0667		83.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0560			mg/kg wet	0.0667		84.0	60.9-138			

LCS (B1J2406-BS1)

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.318	0.20	0.0059	mg/kg wet	0.333		95.3	70-130			
Surrogate: Decachlorobiphenyl	0.0577			mg/kg wet	0.0667		86.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0570			mg/kg wet	0.0667		85.5	60.9-138			

Matrix Spike (B1J2406-MS1)

Source: 1105003-02

Prepared: 10/24/11 Analyzed: 10/25/11

Aroclor 1260	0.672	0.21	0.0062	mg/kg dry	0.358	0.324	97.2	70-130			
Surrogate: Decachlorobiphenyl	0.0655			mg/kg dry	0.0716		91.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0687			mg/kg dry	0.0716		96.0	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2406 - EPA 3545 ASE Extraction

Matrix Spike Dup (B1J2406-MSD1)		Source: 1105003-02		Prepared: 10/24/11		Analyzed: 10/25/11					
Aroclor 1260	0.397	0.21	0.0062	mg/kg dry	0.351	0.324	20.9	70-130	51.3	17.2	M2, QR-04
Surrogate: Decachlorobiphenyl	0.0386			mg/kg dry	0.0703		55.0	65.3-143			S-02
Surrogate: Tetrachloro-meta-xylene	0.0379			mg/kg dry	0.0703		54.0	60.9-138			S-02

Batch B1J2605 - EPA 3545 ASE Extraction

Blank (B1J2605-BLK1)				Prepared: 10/26/11		Analyzed: 10/27/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0627			mg/kg wet	0.0667		94.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0630			mg/kg wet	0.0667		94.5	60.9-138			

LCS (B1J2605-BS1)

				Prepared: 10/26/11		Analyzed: 10/27/11					
Aroclor 1260	0.338	0.20	0.0059	mg/kg wet	0.333		102	70-130			
Surrogate: Decachlorobiphenyl	0.0617			mg/kg wet	0.0667		92.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0617			mg/kg wet	0.0667		92.5	60.9-138			

Matrix Spike (B1J2605-MS1)

		Source: 1105080-06		Prepared: 10/26/11		Analyzed: 10/29/11					
Aroclor 1260	0.306	0.20	0.0060	mg/kg dry	0.344	<0.20	88.8	70-130			
Surrogate: Decachlorobiphenyl	0.0530			mg/kg dry	0.0689		77.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0606			mg/kg dry	0.0689		88.0	60.9-138			

Matrix Spike Dup (B1J2605-MSD1)

		Source: 1105080-06		Prepared: 10/26/11		Analyzed: 10/29/11					
Aroclor 1260	0.313	0.20	0.0060	mg/kg dry	0.344	<0.20	91.0	70-130	2.38	17.2	
Surrogate: Decachlorobiphenyl	0.0544			mg/kg dry	0.0688		79.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0585			mg/kg dry	0.0688		85.0	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J2808 - General Preparation												
Duplicate (B1J2808-DUP1)							Source: 1105127-01					Prepared & Analyzed: 10/28/11
% Solids	96.0			%		96.0			0.00	20		
Duplicate (B1J2808-DUP2)							Source: 1105132-05					Prepared & Analyzed: 10/28/11
% Solids	94.0			%		94.0			0.00	20		
Duplicate (B1J2808-DUP3)							Source: 1105221-01					Prepared & Analyzed: 10/28/11
% Solids	93.0			%		94.0			1.07	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2410 - EPA 3545 ASE Extraction

Blank (B1J2410-BLK1)

Prepared: 10/24/11 Analyzed: 10/27/11

4,4'-DDD	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDE	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDT	< 0.040	0.040	0.0020	mg/kg wet							
Aldrin	< 0.040	0.040	0.0021	mg/kg wet							
alpha-BHC	< 0.040	0.040	0.0020	mg/kg wet							
alpha-Chlordane	< 0.040	0.040	0.0020	mg/kg wet							
beta-BHC	< 0.040	0.040	0.0022	mg/kg wet							
delta-BHC	< 0.040	0.040	0.0020	mg/kg wet							
Dieldrin	< 0.040	0.040	0.0020	mg/kg wet							
Endosulfan I	< 0.040	0.040	0.0022	mg/kg wet							
Endosulfan II	< 0.040	0.040	0.0021	mg/kg wet							
Endosulfan sulfate	< 0.040	0.040	0.0021	mg/kg wet							
Endrin	< 0.040	0.040	0.0020	mg/kg wet							
Endrin aldehyde	< 0.040	0.040	0.0014	mg/kg wet							
Endrin ketone	< 0.040	0.040	0.0021	mg/kg wet							
gamma-BHC (Lindane)	< 0.040	0.040	0.0021	mg/kg wet							
gamma-Chlordane	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor epoxide	< 0.040	0.040	0.0020	mg/kg wet							
Methoxychlor	< 0.040	0.040	0.0021	mg/kg wet							
Toxaphene	< 0.080	0.080	0.016	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0697			mg/kg wet	0.0667		104	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0677			mg/kg wet	0.0667		102	65.2-135			

LCS (B1J2410-BS1)

Prepared: 10/24/11 Analyzed: 10/27/11

4,4'-DDD	0.0820	0.040	0.0020	mg/kg wet	0.0833		98.4	70-130			
4,4'-DDE	0.0813	0.040	0.0020	mg/kg wet	0.0833		97.6	70-130			
4,4'-DDT	0.0820	0.040	0.0020	mg/kg wet	0.0833		98.4	70-130			
Aldrin	0.0810	0.040	0.0021	mg/kg wet	0.0833		97.2	70-130			
alpha-BHC	0.0823	0.040	0.0020	mg/kg wet	0.0833		98.8	70-130			
alpha-Chlordane	0.0830	0.040	0.0020	mg/kg wet	0.0833		99.6	70-130			
beta-BHC	0.0803	0.040	0.0022	mg/kg wet	0.0833		96.4	70-130			
delta-BHC	0.0807	0.040	0.0020	mg/kg wet	0.0833		96.8	70-130			
Dieldrin	0.0810	0.040	0.0020	mg/kg wet	0.0833		97.2	70-130			
Endosulfan I	0.0800	0.040	0.0022	mg/kg wet	0.0833		96.0	70-130			
Endosulfan II	0.0803	0.040	0.0021	mg/kg wet	0.0833		96.4	70-130			
Endosulfan sulfate	0.0797	0.040	0.0021	mg/kg wet	0.0833		95.6	70-130			
Endrin	0.0837	0.040	0.0020	mg/kg wet	0.0833		100	70-130			
Endrin aldehyde	0.0877	0.040	0.0014	mg/kg wet	0.0833		105	70-130			
Endrin ketone	0.0803	0.040	0.0021	mg/kg wet	0.0833		96.4	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2410 - EPA 3545 ASE Extraction

LCS (B1J2410-BS1)

Prepared: 10/24/11 Analyzed: 10/27/11

gamma-BHC (Lindane)	0.0823	0.040	0.0021	mg/kg wet	0.0833		98.8	70-130			
gamma-Chlordane	0.0803	0.040	0.0021	mg/kg wet	0.0833		96.4	70-130			
Heptachlor	0.0800	0.040	0.0021	mg/kg wet	0.0833		96.0	70-130			
Heptachlor epoxide	0.0807	0.040	0.0020	mg/kg wet	0.0833		96.8	70-130			
Methoxychlor	0.0790	0.040	0.0021	mg/kg wet	0.0833		94.8	70-130			
Surrogate: Decachlorobiphenyl	0.0667			mg/kg wet	0.0667		100	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0657			mg/kg wet	0.0667		98.5	65.2-135			

Matrix Spike (B1J2410-MS1)

Source: 1105075-02

Prepared: 10/24/11 Analyzed: 10/27/11

4,4'-DDD	0.0865	0.041	0.0020	mg/kg dry	0.0854	<0.041	101	70-130			
4,4'-DDE	0.0858	0.041	0.0020	mg/kg dry	0.0854	<0.041	100	70-130			
4,4'-DDT	0.0865	0.041	0.0020	mg/kg dry	0.0854	<0.041	101	70-130			
Aldrin	0.0841	0.041	0.0021	mg/kg dry	0.0854	<0.041	98.4	70-130			
alpha-BHC	0.0851	0.041	0.0020	mg/kg dry	0.0854	<0.041	99.6	70-130			
alpha-Chlordane	0.0875	0.041	0.0020	mg/kg dry	0.0854	<0.041	102	70-130			
beta-BHC	0.0851	0.041	0.0022	mg/kg dry	0.0854	<0.041	99.6	70-130			
delta-BHC	0.0817	0.041	0.0020	mg/kg dry	0.0854	<0.041	95.6	70-130			
Dieldrin	0.0854	0.041	0.0020	mg/kg dry	0.0854	<0.041	100	70-130			
Endosulfan I	0.0844	0.041	0.0022	mg/kg dry	0.0854	<0.041	98.8	70-130			
Endosulfan II	0.0854	0.041	0.0021	mg/kg dry	0.0854	<0.041	100	70-130			
Endosulfan sulfate	0.0844	0.041	0.0021	mg/kg dry	0.0854	<0.041	98.8	70-130			
Endrin	0.0882	0.041	0.0020	mg/kg dry	0.0854	<0.041	103	70-130			
Endrin aldehyde	0.104	0.041	0.0014	mg/kg dry	0.0854	<0.041	122	70-130			
Endrin ketone	0.0851	0.041	0.0021	mg/kg dry	0.0854	<0.041	99.6	70-130			
gamma-BHC (Lindane)	0.0851	0.041	0.0021	mg/kg dry	0.0854	<0.041	99.6	70-130			
gamma-Chlordane	0.0847	0.041	0.0021	mg/kg dry	0.0854	<0.041	99.2	70-130			
Heptachlor	0.0827	0.041	0.0021	mg/kg dry	0.0854	<0.041	96.8	70-130			
Heptachlor epoxide	0.0847	0.041	0.0020	mg/kg dry	0.0854	<0.041	99.2	70-130			
Methoxychlor	0.0834	0.041	0.0021	mg/kg dry	0.0854	<0.041	97.6	70-130			
Surrogate: Decachlorobiphenyl	0.0704			mg/kg dry	0.0683		103	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0683			mg/kg dry	0.0683		100	65.2-135			

Matrix Spike Dup (B1J2410-MSD1)

Source: 1105075-02

Prepared: 10/24/11 Analyzed: 10/27/11

4,4'-DDD	0.0848	0.041	0.0020	mg/kg dry	0.0858	<0.041	98.8	70-130	1.93	17.3	
4,4'-DDE	0.0845	0.041	0.0020	mg/kg dry	0.0858	<0.041	98.4	70-130	1.54	18.9	
4,4'-DDT	0.0848	0.041	0.0020	mg/kg dry	0.0858	<0.041	98.8	70-130	1.93	37.6	
Aldrin	0.0845	0.041	0.0021	mg/kg dry	0.0858	<0.041	98.4	70-130	0.470	26.6	
alpha-BHC	0.0862	0.041	0.0020	mg/kg dry	0.0858	<0.041	100	70-130	1.27	27.3	
alpha-Chlordane	0.0865	0.041	0.0020	mg/kg dry	0.0858	<0.041	101	70-130	1.10	17.2	
beta-BHC	0.0845	0.041	0.0022	mg/kg dry	0.0858	<0.041	98.4	70-130	0.742	24.7	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2410 - EPA 3545 ASE Extraction											
Matrix Spike Dup (B1J2410-MSD1)			Source: 1105075-02			Prepared: 10/24/11		Analyzed: 10/27/11			
delta-BHC	0.0814	0.041	0.0020	mg/kg dry	0.0858	<0.041	94.8	70-130	0.370	25.9	
Dieldrin	0.0838	0.041	0.0020	mg/kg dry	0.0858	<0.041	97.6	70-130	1.96	24.6	
Endosulfan I	0.0838	0.041	0.0022	mg/kg dry	0.0858	<0.041	97.6	70-130	0.752	18.2	
Endosulfan II	0.0838	0.041	0.0021	mg/kg dry	0.0858	<0.041	97.6	70-130	1.96	16.6	
Endosulfan sulfate	0.0831	0.041	0.0021	mg/kg dry	0.0858	<0.041	96.8	70-130	1.58	16.5	
Endrin	0.0872	0.041	0.0020	mg/kg dry	0.0858	<0.041	102	70-130	1.09	18.9	
Endrin aldehyde	0.0982	0.041	0.0014	mg/kg dry	0.0858	<0.041	114	70-130	5.96	17.9	
Endrin ketone	0.0834	0.041	0.0021	mg/kg dry	0.0858	<0.041	97.2	70-130	1.97	15.7	
gamma-BHC (Lindane)	0.0858	0.041	0.0021	mg/kg dry	0.0858	<0.041	100	70-130	0.871	27	
gamma-Chlordane	0.0838	0.041	0.0021	mg/kg dry	0.0858	<0.041	97.6	70-130	1.16	20	
Heptachlor	0.0831	0.041	0.0021	mg/kg dry	0.0858	<0.041	96.8	70-130	0.470	20.3	
Heptachlor epoxide	0.0848	0.041	0.0020	mg/kg dry	0.0858	<0.041	98.8	70-130	0.0659	26.2	
Methoxychlor	0.0817	0.041	0.0021	mg/kg dry	0.0858	<0.041	95.2	70-130	2.02	20.2	
Surrogate: Decachlorobiphenyl	0.0680			mg/kg dry	0.0687		99.0	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0683			mg/kg dry	0.0687		99.5	65.2-135			

Batch B1J2604 - EPA 3545 ASE Extraction

Blank (B1J2604-BLK1)

Prepared: 10/26/11 Analyzed: 10/27/11

4,4'-DDD	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDE	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDT	< 0.040	0.040	0.0020	mg/kg wet							
Aldrin	< 0.040	0.040	0.0021	mg/kg wet							
alpha-BHC	< 0.040	0.040	0.0020	mg/kg wet							
alpha-Chlordane	< 0.040	0.040	0.0020	mg/kg wet							
beta-BHC	< 0.040	0.040	0.0022	mg/kg wet							
delta-BHC	< 0.040	0.040	0.0020	mg/kg wet							
Dieldrin	< 0.040	0.040	0.0020	mg/kg wet							
Endosulfan I	< 0.040	0.040	0.0022	mg/kg wet							
Endosulfan II	< 0.040	0.040	0.0021	mg/kg wet							
Endosulfan sulfate	< 0.040	0.040	0.0021	mg/kg wet							
Endrin	< 0.040	0.040	0.0020	mg/kg wet							
Endrin aldehyde	< 0.040	0.040	0.0014	mg/kg wet							
Endrin ketone	< 0.040	0.040	0.0021	mg/kg wet							
gamma-BHC (Lindane)	< 0.040	0.040	0.0021	mg/kg wet							
gamma-Chlordane	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor epoxide	< 0.040	0.040	0.0020	mg/kg wet							
Methoxychlor	< 0.040	0.040	0.0021	mg/kg wet							
Toxaphene	< 0.080	0.080	0.016	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0683			mg/kg wet	0.0667		102	83.7-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2604 - EPA 3545 ASE Extraction

Blank (B1J2604-BLK1)

Prepared: 10/26/11 Analyzed: 10/27/11

<i>Surrogate: Tetrachloro-meta-xylene</i>	0.0670			mg/kg wet	0.0667		100	65.2-135			
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LCS (B1J2604-BS1)

Prepared: 10/26/11 Analyzed: 10/27/11

4,4'-DDD	0.0800	0.040	0.0020	mg/kg wet	0.0833		96.0	70-130			
4,4'-DDE	0.0797	0.040	0.0020	mg/kg wet	0.0833		95.6	70-130			
4,4'-DDT	0.0800	0.040	0.0020	mg/kg wet	0.0833		96.0	70-130			
Aldrin	0.0797	0.040	0.0021	mg/kg wet	0.0833		95.6	70-130			
alpha-BHC	0.0803	0.040	0.0020	mg/kg wet	0.0833		96.4	70-130			
alpha-Chlordane	0.0817	0.040	0.0020	mg/kg wet	0.0833		98.0	70-130			
beta-BHC	0.0790	0.040	0.0022	mg/kg wet	0.0833		94.8	70-130			
delta-BHC	0.0793	0.040	0.0020	mg/kg wet	0.0833		95.2	70-130			
Dieldrin	0.0797	0.040	0.0020	mg/kg wet	0.0833		95.6	70-130			
Endosulfan I	0.0790	0.040	0.0022	mg/kg wet	0.0833		94.8	70-130			
Endosulfan II	0.0790	0.040	0.0021	mg/kg wet	0.0833		94.8	70-130			
Endosulfan sulfate	0.0783	0.040	0.0021	mg/kg wet	0.0833		94.0	70-130			
Endrin	0.0820	0.040	0.0020	mg/kg wet	0.0833		98.4	70-130			
Endrin aldehyde	0.0853	0.040	0.0014	mg/kg wet	0.0833		102	70-130			
Endrin ketone	0.0790	0.040	0.0021	mg/kg wet	0.0833		94.8	70-130			
gamma-BHC (Lindane)	0.0807	0.040	0.0021	mg/kg wet	0.0833		96.8	70-130			
gamma-Chlordane	0.0793	0.040	0.0021	mg/kg wet	0.0833		95.2	70-130			
Heptachlor	0.0787	0.040	0.0021	mg/kg wet	0.0833		94.4	70-130			
Heptachlor epoxide	0.0803	0.040	0.0020	mg/kg wet	0.0833		96.4	70-130			
Methoxychlor	0.0777	0.040	0.0021	mg/kg wet	0.0833		93.2	70-130			
<i>Surrogate: Decachlorobiphenyl</i>	0.0663			mg/kg wet	0.0667		99.5	83.7-130			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.0653			mg/kg wet	0.0667		98.0	65.2-135			

Matrix Spike (B1J2604-MS1)

Source: 1105132-01

Prepared: 10/26/11 Analyzed: 10/29/11

4,4'-DDD	0.112	0.056	0.0028	mg/kg dry	0.118	<0.056	94.8	70-130			
4,4'-DDE	0.130	0.056	0.0028	mg/kg dry	0.118	<0.056	110	70-130			
4,4'-DDT	0.298	0.056	0.0028	mg/kg dry	0.118	<0.056	253	70-130			QM-05
Aldrin	0.118	0.056	0.0030	mg/kg dry	0.118	<0.056	100	70-130			
alpha-BHC	0.122	0.056	0.0028	mg/kg dry	0.118	<0.056	103	70-130			
alpha-Chlordane	0.117	0.056	0.0028	mg/kg dry	0.118	<0.056	99.2	70-130			
beta-BHC	0.114	0.056	0.0031	mg/kg dry	0.118	<0.056	96.8	70-130			
delta-BHC	0.103	0.056	0.0028	mg/kg dry	0.118	<0.056	87.6	70-130			
Dieldrin	0.129	0.056	0.0028	mg/kg dry	0.118	<0.056	110	70-130			
Endosulfan I	0.113	0.056	0.0031	mg/kg dry	0.118	<0.056	96.0	70-130			
Endosulfan II	0.109	0.056	0.0030	mg/kg dry	0.118	<0.056	92.4	70-130			
Endosulfan sulfate	0.132	0.056	0.0030	mg/kg dry	0.118	<0.056	112	70-130			
Endrin	0.120	0.056	0.0028	mg/kg dry	0.118	<0.056	102	70-130			
Endrin aldehyde	0.153	0.056	0.0020	mg/kg dry	0.118	<0.056	130	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2604 - EPA 3545 ASE Extraction

Matrix Spike (B1J2604-MS1)	Source: 1105132-01			Prepared: 10/26/11		Analyzed: 10/29/11				
Endrin ketone	0.109	0.056	0.0030	mg/kg dry	0.118	<0.056	92.8	70-130		
gamma-BHC (Lindane)	0.122	0.056	0.0030	mg/kg dry	0.118	<0.056	103	70-130		
gamma-Chlordane	0.119	0.056	0.0030	mg/kg dry	0.118	<0.056	101	70-130		
Heptachlor	0.116	0.056	0.0030	mg/kg dry	0.118	<0.056	98.4	70-130		
Heptachlor epoxide	0.130	0.056	0.0028	mg/kg dry	0.118	<0.056	110	70-130		
Methoxychlor	0.111	0.056	0.0030	mg/kg dry	0.118	<0.056	94.0	70-130		
Surrogate: Decachlorobiphenyl	0.0909			mg/kg dry	0.0942		96.5	83.7-130		
Surrogate: Tetrachloro-meta-xylene	0.102			mg/kg dry	0.0942		108	65.2-135		

Matrix Spike Dup (B1J2604-MSD1)	Source: 1105132-01			Prepared: 10/26/11		Analyzed: 10/29/11					
4,4'-DDD	0.118	0.056	0.0028	mg/kg dry	0.118	<0.056	100	70-130	5.80	17.3	
4,4'-DDE	0.137	0.056	0.0028	mg/kg dry	0.118	<0.056	116	70-130	5.01	18.9	
4,4'-DDT	0.315	0.056	0.0028	mg/kg dry	0.118	<0.056	267	70-130	5.45	37.6	QM-05
Aldrin	0.128	0.056	0.0030	mg/kg dry	0.118	<0.056	108	70-130	7.73	26.6	
alpha-BHC	0.132	0.056	0.0028	mg/kg dry	0.118	<0.056	112	70-130	8.60	27.3	
alpha-Chlordane	0.127	0.056	0.0028	mg/kg dry	0.118	<0.056	108	70-130	8.19	17.2	
beta-BHC	0.125	0.056	0.0031	mg/kg dry	0.118	<0.056	106	70-130	9.14	24.7	
delta-BHC	0.112	0.056	0.0028	mg/kg dry	0.118	<0.056	94.8	70-130	7.96	25.9	
Dieldrin	0.140	0.056	0.0028	mg/kg dry	0.118	<0.056	118	70-130	7.79	24.6	
Endosulfan I	0.123	0.056	0.0031	mg/kg dry	0.118	<0.056	105	70-130	8.83	18.2	
Endosulfan II	0.117	0.056	0.0030	mg/kg dry	0.118	<0.056	99.2	70-130	7.16	16.6	
Endosulfan sulfate	0.139	0.056	0.0030	mg/kg dry	0.118	<0.056	118	70-130	4.93	16.5	
Endrin	0.129	0.056	0.0028	mg/kg dry	0.118	<0.056	109	70-130	6.89	18.9	
Endrin aldehyde	0.151	0.056	0.0020	mg/kg dry	0.118	<0.056	128	70-130	1.48	17.9	
Endrin ketone	0.115	0.056	0.0030	mg/kg dry	0.118	<0.056	98.0	70-130	5.52	15.7	
gamma-BHC (Lindane)	0.131	0.056	0.0030	mg/kg dry	0.118	<0.056	111	70-130	7.17	27	
gamma-Chlordane	0.129	0.056	0.0030	mg/kg dry	0.118	<0.056	109	70-130	8.07	20	
Heptachlor	0.126	0.056	0.0030	mg/kg dry	0.118	<0.056	107	70-130	8.63	20.3	
Heptachlor epoxide	0.139	0.056	0.0028	mg/kg dry	0.118	<0.056	118	70-130	6.75	26.2	
Methoxychlor	0.117	0.056	0.0030	mg/kg dry	0.118	<0.056	99.2	70-130	5.45	20.2	
Surrogate: Decachlorobiphenyl	0.0980			mg/kg dry	0.0943		104	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.109			mg/kg dry	0.0943		116	65.2-135			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2409 - EPA 3510C (Sep Funnel)

Blank (B1J2409-BLK1)

Prepared & Analyzed: 10/24/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2409 - EPA 3510C (Sep Funnel)

Blank (B1J2409-BLK1)

Prepared & Analyzed: 10/24/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	75.9			ug/L	100		75.9	30-122			
Surrogate: 2-Fluorobiphenyl	73.0			ug/L	100		73.0	39.2-104			
Surrogate: 2-Fluorophenol	60.0			ug/L	100		60.0	30-80.1			
Surrogate: Nitrobenzene-d5	64.4			ug/L	100		64.4	51.2-103			
Surrogate: Phenol-d6	59.7			ug/L	100		59.7	30-75.3			
Surrogate: Terphenyl-d14	66.9			ug/L	100		66.9	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2409 - EPA 3510C (Sep Funnel)

LCS (B1J2409-BS1)

Prepared: 10/24/11 Analyzed: 10/26/11

1,2,4-Trichlorobenzene	66.7	10	0.30	ug/L	100		66.7	47.4-88.7		20	
1,4-Dichlorobenzene	69.0	10	0.29	ug/L	100		69.0	39.5-81		20	
2,4-Dinitrotoluene	87.3	10	0.45	ug/L	100		87.3	67.2-99.3		20	
2-Chlorophenol	70.6	10	0.39	ug/L	100		70.6	56.5-85.9		20	
4-Chloro-3-methylphenol	76.9	10	0.48	ug/L	100		76.9	62.1-98.2		20	
4-Nitrophenol	84.9	10	0.78	ug/L	100		84.9	40.5-98.5		20	
Anthracene	84.2	10	0.56	ug/L	100		84.2	70.6-95.3		20	
Benzo(a)anthracene	90.6	10	0.50	ug/L	100		90.6	73.7-96.6		20	
Benzo(a)pyrene	81.1	10	0.41	ug/L	100		81.1	70.9-92.6		20	
Chrysene	92.4	10	0.61	ug/L	100		92.4	71.8-97.5		20	
Fluoranthene	92.7	10	0.61	ug/L	100		92.7	73.6-96.8		20	
Fluorene	94.3	10	0.52	ug/L	100		94.3	69.3-93.3		20	L1a
N-Nitrosodi-n-propylamine	66.0	10	0.25	ug/L	100		66.0	65.9-89.3		20	
Pentachlorophenol	85.6	10	0.90	ug/L	100		85.6	55-107		20	
Phenanthrene	87.2	10	0.35	ug/L	100		87.2	72.5-97.6		20	
Phenol	63.7	10	0.41	ug/L	100		63.7	34.1-71.6		20	
Surrogate: 2,4,6-Tribromophenol	86.6			ug/L	100		86.6	30-122			
Surrogate: 2-Fluorobiphenyl	75.6			ug/L	100		75.6	39.2-104			
Surrogate: 2-Fluorophenol	67.2			ug/L	100		67.2	30-80.1			
Surrogate: Nitrobenzene-d5	70.3			ug/L	100		70.3	51.2-103			
Surrogate: Phenol-d6	67.0			ug/L	100		67.0	30-75.3			
Surrogate: Terphenyl-d14	74.7			ug/L	100		74.7	30-116			

LCS Dup (B1J2409-BSD1)

Prepared: 10/24/11 Analyzed: 10/26/11

Q9, QM-10

1,2,4-Trichlorobenzene	62.9	10	0.30	ug/L	100		62.9	47.4-88.7	5.88	20	
1,4-Dichlorobenzene	64.5	10	0.29	ug/L	100		64.5	39.5-81	6.80	20	
2,4-Dinitrotoluene	88.5	10	0.45	ug/L	100		88.5	67.2-99.3	1.33	20	
2-Chlorophenol	71.8	10	0.39	ug/L	100		71.8	56.5-85.9	1.69	20	
4-Chloro-3-methylphenol	77.2	10	0.48	ug/L	100		77.2	62.1-98.2	0.386	20	
4-Nitrophenol	86.4	10	0.78	ug/L	100		86.4	40.5-98.5	1.69	20	
Anthracene	84.8	10	0.56	ug/L	100		84.8	70.6-95.3	0.692	20	
Benzo(a)anthracene	92.0	10	0.50	ug/L	100		92.0	73.7-96.6	1.54	20	
Benzo(a)pyrene	82.9	10	0.41	ug/L	100		82.9	70.9-92.6	2.23	20	
Chrysene	93.7	10	0.61	ug/L	100		93.7	71.8-97.5	1.37	20	
Fluoranthene	94.0	10	0.61	ug/L	100		94.0	73.6-96.8	1.36	20	
Fluorene	95.1	10	0.52	ug/L	100		95.1	69.3-93.3	0.882	20	L1a
N-Nitrosodi-n-propylamine	67.5	10	0.25	ug/L	100		67.5	65.9-89.3	2.26	20	
Pentachlorophenol	87.8	10	0.90	ug/L	100		87.8	55-107	2.49	20	
Phenanthrene	87.3	10	0.35	ug/L	100		87.3	72.5-97.6	0.146	20	
Phenol	64.5	10	0.41	ug/L	100		64.5	34.1-71.6	1.20	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2409 - EPA 3510C (Sep Funnel)

LCS Dup (B1J2409-BSD1)

Prepared: 10/24/11 Analyzed: 10/26/11

Q9, QM-10

Surrogate: 2,4,6-Tribromophenol	86.6			ug/L	100		86.6	30-122			
Surrogate: 2-Fluorobiphenyl	77.2			ug/L	100		77.2	39.2-104			
Surrogate: 2-Fluorophenol	68.2			ug/L	100		68.2	30-80.1			
Surrogate: Nitrobenzene-d5	70.2			ug/L	100		70.2	51.2-103			
Surrogate: Phenol-d6	67.8			ug/L	100		67.8	30-75.3			
Surrogate: Terphenyl-d14	75.4			ug/L	100		75.4	30-116			

Matrix Spike (B1J2409-MS1)

Source: 1105090-01

Prepared & Analyzed: 10/24/11

1,2,4-Trichlorobenzene	68.2	10	0.30	ug/L	101	<10	67.8	39.2-90.6		23.6	
1,4-Dichlorobenzene	70.8	10	0.29	ug/L	101	<10	70.5	34.1-81.6		22.4	
2,4-Dinitrotoluene	83.4	10	0.45	ug/L	101	<10	83.0	41.1-110		17.2	
2-Chlorophenol	70.1	10	0.39	ug/L	101	<10	69.7	30-96.4		23.7	
4-Chloro-3-methylphenol	74.4	10	0.48	ug/L	101	<10	74.1	30-113		24.1	
4-Nitrophenol	82.9	10	0.78	ug/L	101	<10	82.4	30-112		34.3	
Anthracene	77.5	10	0.56	ug/L	101	<10	77.1	30-119		24.5	
Benzo(a)anthracene	82.1	10	0.50	ug/L	101	<10	81.7	30-122		27.8	
Benzo(a)pyrene	75.0	10	0.41	ug/L	101	<10	74.6	30-118		27.1	
Chrysene	84.8	10	0.61	ug/L	101	<10	84.3	30-125		28	
Fluoranthene	82.5	10	0.61	ug/L	101	<10	82.1	31.6-119		25.9	
Fluorene	80.8	10	0.52	ug/L	101	<10	80.4	40.8-107		20.6	
N-Nitrosodi-n-propylamine	68.4	10	0.25	ug/L	101	<10	68.1	47.2-94.8		15.8	
Pentachlorophenol	91.0	10	0.90	ug/L	101	<10	90.6	30-130		25.5	
Phenanthrene	79.6	10	0.35	ug/L	101	<10	79.2	38.2-117		19.3	
Phenol	60.5	10	0.41	ug/L	101	<10	60.2	30-80		31.9	
Surrogate: 2,4,6-Tribromophenol	86.6			ug/L	101		86.1	30-122			
Surrogate: 2-Fluorobiphenyl	78.3			ug/L	101		77.9	39.2-104			
Surrogate: 2-Fluorophenol	65.7			ug/L	101		65.4	30-80.1			
Surrogate: Nitrobenzene-d5	70.3			ug/L	101		70.0	51.2-103			
Surrogate: Phenol-d6	65.5			ug/L	101		65.1	30-75.3			
Surrogate: Terphenyl-d14	72.6			ug/L	101		72.3	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2606 - EPA 3545 ASE Extraction

Blank (B1J2606-BLK1)

Prepared & Analyzed: 10/26/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2606 - EPA 3545 ASE Extraction

Blank (B1J2606-BLK1)

Prepared & Analyzed: 10/26/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.73			mg/kg wet	6.67		71.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.50			mg/kg wet	6.67		67.5	53.9-97.9			
Surrogate: 2-Fluorophenol	3.83			mg/kg wet	6.67		57.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.69			mg/kg wet	6.67		55.4	48.9-100			
Surrogate: Phenol-d6	4.41			mg/kg wet	6.67		66.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.24			mg/kg wet	6.67		63.7	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2606 - EPA 3545 ASE Extraction

LCS (B1J2606-BS1)

Prepared & Analyzed: 10/26/11

1,2,4-Trichlorobenzene	4.34	0.33	0.031	mg/kg wet	6.67		65.0	59.1-87.7		20	
1,4-Dichlorobenzene	3.93	0.33	0.029	mg/kg wet	6.67		59.0	50.3-72.9		20	
2,4-Dinitrotoluene	5.12	0.33	0.035	mg/kg wet	6.67		76.8	59.8-82.2		20	
2-Chlorophenol	4.20	0.67	0.060	mg/kg wet	6.67		62.9	59.7-77.3		20	
4-Chloro-3-methylphenol	4.50	0.67	0.066	mg/kg wet	6.67		67.6	63.6-80.4		20	
4-Nitrophenol	4.93	0.67	0.093	mg/kg wet	6.67		73.9	57.3-84.9		20	
Anthracene	4.86	0.33	0.036	mg/kg wet	6.67		72.8	67.3-88		20	
Benzo(a)anthracene	5.22	0.33	0.041	mg/kg wet	6.67		78.2	66.5-90.5		20	
Benzo(a)pyrene	4.82	0.33	0.042	mg/kg wet	6.67		72.2	66.1-89.7		20	
Chrysene	5.38	0.33	0.044	mg/kg wet	6.67		80.6	65.5-90.5		20	
Fluoranthene	5.35	0.33	0.039	mg/kg wet	6.67		80.3	66.7-89.9		20	
Fluorene	5.59	0.33	0.035	mg/kg wet	6.67		83.9	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.52	0.33	0.033	mg/kg wet	6.67		67.9	59.4-78		20	
Pentachlorophenol	4.24	0.67	0.078	mg/kg wet	6.67		63.6	46.7-83.2		20	
Phenanthrene	4.88	0.33	0.036	mg/kg wet	6.67		73.3	67.5-87.9		20	
Phenol	4.17	0.67	0.069	mg/kg wet	6.67		62.5	59.5-76.6		20	
Surrogate: 2,4,6-Tribromophenol	5.40			mg/kg wet	6.67		80.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.90			mg/kg wet	6.67		73.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.25			mg/kg wet	6.67		63.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.31			mg/kg wet	6.67		64.7	48.9-100			
Surrogate: Phenol-d6	4.72			mg/kg wet	6.67		70.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.74			mg/kg wet	6.67		71.1	51-99.6			

Matrix Spike (B1J2606-MS1)

Source: 1105127-03

Prepared & Analyzed: 10/26/11

1,2,4-Trichlorobenzene	5.61	0.40	0.038	mg/kg dry	8.20	<0.40	68.4	44.8-97.9		19.6	
1,4-Dichlorobenzene	5.18	0.40	0.035	mg/kg dry	8.20	<0.40	63.2	42.3-77.9		22.4	
2,4-Dinitrotoluene	6.10	0.40	0.043	mg/kg dry	8.20	<0.40	74.4	57.3-86.6		19.5	
2-Chlorophenol	5.87	0.82	0.073	mg/kg dry	8.20	<0.82	71.6	43.3-93.2		23.7	
4-Chloro-3-methylphenol	6.38	0.82	0.080	mg/kg dry	8.20	<0.82	77.7	47.1-97.6		18.3	
4-Nitrophenol	6.69	0.82	0.11	mg/kg dry	8.20	<0.82	81.6	49.3-96.2		20.4	
Anthracene	7.32	0.40	0.044	mg/kg dry	8.20	<0.40	86.7	67.5-93.1		19.9	
Benzo(a)anthracene	6.92	0.40	0.050	mg/kg dry	8.20	<0.40	79.8	59.8-95.7		23.4	
Benzo(a)pyrene	6.99	0.40	0.051	mg/kg dry	8.20	<0.40	81.9	59.8-92.7		21.1	
Chrysene	7.00	0.40	0.054	mg/kg dry	8.20	<0.40	81.1	62.5-94.6		24.8	
Fluoranthene	7.36	0.40	0.048	mg/kg dry	8.20	0.828	79.7	61.3-92.8		21.8	
Fluorene	6.56	0.40	0.043	mg/kg dry	8.20	<0.40	78.8	62.8-92.6		17.6	
N-Nitrosodi-n-propylamine	5.80	0.40	0.040	mg/kg dry	8.20	<0.40	70.7	46.9-89.9		18.9	
Pentachlorophenol	6.67	0.82	0.095	mg/kg dry	8.20	<0.82	81.3	40.1-95.1		19.7	
Phenanthrene	7.34	0.40	0.044	mg/kg dry	8.20	0.745	80.4	65.2-92.2		20.5	
Phenol	5.66	0.82	0.084	mg/kg dry	8.20	<0.82	69.0	44.7-91		17.9	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2606 - EPA 3545 ASE Extraction

Matrix Spike (B1J2606-MS1)

Source: 1105127-03

Prepared & Analyzed: 10/26/11

Surrogate: 2,4,6-Tribromophenol	7.44			mg/kg dry	8.20		90.7	53-107			
Surrogate: 2-Fluorobiphenyl	6.30			mg/kg dry	8.20		76.8	53.9-97.9			
Surrogate: 2-Fluorophenol	6.16			mg/kg dry	8.20		75.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.54			mg/kg dry	8.20		67.5	48.9-100			
Surrogate: Phenol-d6	6.31			mg/kg dry	8.20		77.0	50.4-99.6			
Surrogate: Terphenyl-d14	5.96			mg/kg dry	8.20		72.6	51-99.6			

Matrix Spike Dup (B1J2606-MSD1)

Source: 1105127-03

Prepared & Analyzed: 10/26/11

1,2,4-Trichlorobenzene	5.48	0.40	0.038	mg/kg dry	8.28	<0.40	66.2	44.8-97.9	2.27	19.6	
1,4-Dichlorobenzene	5.10	0.40	0.035	mg/kg dry	8.28	<0.40	61.6	42.3-77.9	1.52	22.4	
2,4-Dinitrotoluene	6.21	0.40	0.043	mg/kg dry	8.28	<0.40	75.0	57.3-86.6	1.69	19.5	
2-Chlorophenol	5.79	0.82	0.073	mg/kg dry	8.28	<0.82	69.9	43.3-93.2	1.42	23.7	
4-Chloro-3-methylphenol	6.31	0.82	0.080	mg/kg dry	8.28	<0.82	76.2	47.1-97.6	1.10	18.3	
4-Nitrophenol	6.82	0.82	0.11	mg/kg dry	8.28	<0.82	82.4	49.3-96.2	1.93	20.4	
Anthracene	7.26	0.40	0.044	mg/kg dry	8.28	<0.40	85.2	67.5-93.1	0.773	19.9	
Benzo(a)anthracene	6.96	0.40	0.050	mg/kg dry	8.28	<0.40	79.5	59.8-95.7	0.551	23.4	
Benzo(a)pyrene	7.03	0.40	0.051	mg/kg dry	8.28	<0.40	81.7	59.8-92.7	0.674	21.1	
Chrysene	7.13	0.40	0.054	mg/kg dry	8.28	<0.40	81.9	62.5-94.6	1.82	24.8	
Fluoranthene	7.23	0.40	0.048	mg/kg dry	8.28	0.828	77.3	61.3-92.8	1.81	21.8	
Fluorene	6.63	0.40	0.043	mg/kg dry	8.28	<0.40	79.0	62.8-92.6	1.11	17.6	
N-Nitrosodi-n-propylamine	5.77	0.40	0.040	mg/kg dry	8.28	<0.40	69.7	46.9-89.9	0.547	18.9	
Pentachlorophenol	6.61	0.82	0.095	mg/kg dry	8.28	<0.82	79.9	40.1-95.1	0.768	19.7	
Phenanthrene	7.20	0.40	0.044	mg/kg dry	8.28	0.745	77.9	65.2-92.2	1.98	20.5	
Phenol	5.63	0.82	0.084	mg/kg dry	8.28	<0.82	68.1	44.7-91	0.419	17.9	
Surrogate: 2,4,6-Tribromophenol	7.36			mg/kg dry	8.28		88.9	53-107			
Surrogate: 2-Fluorobiphenyl	6.17			mg/kg dry	8.28		74.5	53.9-97.9			
Surrogate: 2-Fluorophenol	5.85			mg/kg dry	8.28		70.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.38			mg/kg dry	8.28		65.0	48.9-100			
Surrogate: Phenol-d6	6.24			mg/kg dry	8.28		75.4	50.4-99.6			
Surrogate: Terphenyl-d14	6.06			mg/kg dry	8.28		73.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2441 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2441-BLK1)

Prepared & Analyzed: 10/24/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	0.403	2.0	0.19	mg/kg wet							B-02, J
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2441 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2441-BLK1)

Prepared & Analyzed: 10/24/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	0.303	2.0	0.12	mg/kg wet							B-02, J
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	54.0			ug/L	50.0		108	80-124			
Surrogate: Dibromofluoromethane	47.1			ug/L	50.0		94.3	77.1-123			
Surrogate: Toluene-d8	48.4			ug/L	50.0		96.8	78.1-125			

LCS (B1J2441-BS1)

Prepared & Analyzed: 10/24/11

1,1,2,2-Tetrachloroethane	40.7			ug/L	50.0		81.4	75-120		20	
1,1-Dichloroethane	48.0			ug/L	50.0		96.0	79.6-120		20	
1,1-Dichloroethene	45.8			ug/L	50.0		91.6	78.3-120		20	
1,3,5-Trimethylbenzene	44.5			ug/L	50.0		89.1	77-120		20	
1,4-Dichlorobenzene	46.4			ug/L	50.0		92.8	75-125		20	
2-Chlorotoluene	47.6			ug/L	50.0		95.1	75.9-120		20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2441 - EPA 5035 Soil (Purge and Trap)

LCS (B1J2441-BS1)

Prepared & Analyzed: 10/24/11

Benzene	43.6			ug/L	50.0		87.2	80-120		20	
Bromoform	55.9			ug/L	50.0		112	80-120		20	
Chlorobenzene	52.0			ug/L	50.0		104	80-120		20	
Chloroform	48.5			ug/L	50.0		97.0	80-120		20	
Ethylbenzene	58.2			ug/L	50.0		116	80-120		20	
n-Butylbenzene	48.5			ug/L	50.0		97.0	75-125		20	
n-Propylbenzene	48.5			ug/L	50.0		96.9	75-120		20	
Toluene	54.3			ug/L	50.0		109	80-120		20	
Trichloroethene	53.0			ug/L	50.0		106	80-120		20	
Vinyl chloride	48.4			ug/L	50.0		96.8	75-130		20	
Surrogate: 4-Bromofluorobenzene	54.7			ug/L	50.0		109	80-124			
Surrogate: Dibromofluoromethane	47.5			ug/L	50.0		94.9	77.1-123			
Surrogate: Toluene-d8	50.5			ug/L	50.0		101	78.1-125			

Matrix Spike (B1J2441-MS1)

Source: 1105079-01

Prepared & Analyzed: 10/24/11

1,1,2,2-Tetrachloroethane	43.2			ug/L	50.0	<	86.4	75-125		20	
1,1-Dichloroethane	51.3			ug/L	50.0	<	103	78.7-123		20	
1,1-Dichloroethene	49.3			ug/L	50.0	<	98.7	75.8-121		20	
1,3,5-Trimethylbenzene	44.1			ug/L	50.0	<	88.3	75-120		20	
1,4-Dichlorobenzene	47.6			ug/L	50.0	<	95.2	75-125		20	
2-Chlorotoluene	50.6			ug/L	50.0	<	101	75-120		20	
Benzene	42.6			ug/L	50.0	<	85.2	80-120		20	
Bromoform	58.0			ug/L	50.0	<	116	80-120		20	
Chlorobenzene	54.2			ug/L	50.0	<	108	80-120		20	
Chloroform	49.9			ug/L	50.0	<	99.8	80-120		20	
Ethylbenzene	60.7			ug/L	50.0	<	121	80-120		20	M1
n-Butylbenzene	47.5			ug/L	50.0	<	95.1	73.8-125		20	
n-Propylbenzene	51.2			ug/L	50.0	<	102	75-120		20	
Toluene	55.9			ug/L	50.0	<	112	80-120		20	
Trichloroethene	54.6			ug/L	50.0	<	109	80-120		20	
Vinyl chloride	45.6			ug/L	50.0	<	91.1	74.8-130		20	
Surrogate: 4-Bromofluorobenzene	54.4			ug/L	50.0		109	80-124			
Surrogate: Dibromofluoromethane	48.3			ug/L	50.0		96.6	77.1-123			
Surrogate: Toluene-d8	50.3			ug/L	50.0		101	78.1-125			

Matrix Spike Dup (B1J2441-MSD1)

Source: 1105079-01

Prepared & Analyzed: 10/24/11

1,1,2,2-Tetrachloroethane	42.7			ug/L	50.0	<	85.4	75-125	1.24	20	
1,1-Dichloroethane	49.0			ug/L	50.0	<	97.9	78.7-123	4.78	20	
1,1-Dichloroethene	48.6			ug/L	50.0	<	97.1	75.8-121	1.60	20	
1,3,5-Trimethylbenzene	43.5			ug/L	50.0	<	86.9	75-120	1.55	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2441 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1J2441-MSD1)			Source: 1105079-01			Prepared & Analyzed: 10/24/11					
1,4-Dichlorobenzene	46.6			ug/L	50.0	<	93.3	75-125	2.05	20	
2-Chlorotoluene	50.4			ug/L	50.0	<	101	75-120	0.412	20	
Benzene	42.6			ug/L	50.0	<	85.3	80-120	0.0699	20	
Bromoform	57.2			ug/L	50.0	<	114	80-120	1.47	20	
Chlorobenzene	54.1			ug/L	50.0	<	108	80-120	0.200	20	
Chloroform	49.5			ug/L	50.0	<	99.0	80-120	0.771	20	
Ethylbenzene	60.4			ug/L	50.0	<	121	80-120	0.536	20	M1
n-Butylbenzene	47.5			ug/L	50.0	<	95.0	73.8-125	0.0457	20	
n-Propylbenzene	50.5			ug/L	50.0	<	101	75-120	1.35	20	
Toluene	55.6			ug/L	50.0	<	111	80-120	0.596	20	
Trichloroethene	53.7			ug/L	50.0	<	107	80-120	1.61	20	
Vinyl chloride	44.7			ug/L	50.0	<	89.4	74.8-130	1.90	20	
Surrogate: 4-Bromofluorobenzene	54.6			ug/L	50.0		109	80-124			
Surrogate: Dibromofluoromethane	46.9			ug/L	50.0		93.9	77.1-123			
Surrogate: Toluene-d8	48.7			ug/L	50.0		97.4	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105127 Date Reported: 11/03/11
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Notes and Definitions

- QM-10 LCS/LCSD were analyzed in place of MS/MSD.
- B-02 Target analyte was present in the method blank between the MDL and RL.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- L1a The associated blank spike recovery was above laboratory acceptance limits.
- M1 Matrix spike recovery was high, the associated blank spike recovery was acceptable.
- M2 Matrix spike recovery was low, the associated blank spike recovery was acceptable.
- M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
- B-01 Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- W-03 The initial sample weight was less than 8.0 grams.
- QR-04 The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
- S-02 Surrogate recovery outside of laboratory acceptance limits.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- T-1 MDH does not offer certification for this parameter.
- V7 Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- V8 Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
- Q9 Insufficient sample received to meet method QC requirements.
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
 BARR 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1105127

Project Number: 23/19-1092, 48RE 820
 Project Name: Union East RE - Site Wide
 Sample Origination State: MN (Use two letter postal state abbreviation)
 COC Number: **No 37144**

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	Number of Containers/Preservative										Total Number of Containers	COC <u>1</u> of <u>1</u>					
						Water	Soil		SVOCs (unpreserved) #1	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #2	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	PCBs	VOCs (stared MeOH) #1	GRQ, BTEX (stared MeOH) #1	DRO (stared unpreserved)			Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)		
						QC	QC		QC	QC	QC	QC	QC	QC	QC	QC	QC	QC			QC	QC	QC		
1. U-LWBC7-1	-	-	-	10/20/2011	8:15	X	X	X										X	X	X	X	X	9	Project Manager: JME	
2. U-SAN	-	-	-		10:00	X	X											X	X	X	X	X	5	Project QC Contact: AAN	
3. U-PCH-1	-	-	-		10:45	X	X	X										X	X	X	X	X	7	Sampled by: ADN/AKB	
4. U-LWBC7-3	-	-	-		13:00	X	X											X	X	X	X	X	5	Laboratory: Legend	
5. U-LWBC5-1	-	-	-		15:00	X	X											X	X	X	X	3			
6. M-1	-	-	-			X	X	X										X	X			1			
7. FB-1	-	-	-			X			X	X	X	X	X												
8. FB-2	-	-	-			X			X	X	X	X	X												
9. TB-1	-	-	-						X	X	X	X	X					X							

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phosphorus, Ammonia Nitrogen, TKN

2490
 PR/Cust.

Relinquished By: <i>[Signature]</i>	On Ice? <input checked="" type="checkbox"/> N	Date: 10/21/11	Time:	Received by:	Date:	Time:
Relinquished By: <i>[Signature]</i>	On Ice? <input type="checkbox"/> Y	Date:	Time:	Received by: Kelley Foebel	Date: 10/21/11	Time: 12:00
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler			Air Bill Number:			

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

From: [Bach Pham](#)
To: [Andrea A. Nord](#)
Subject: RE: UMore PCB and Pest Surrogate failures
Date: Monday, December 19, 2011 1:44:16 PM
Attachments: [good QC.pdf](#)
[samples.pdf](#)
[MSD.pdf](#)

Let me know if these work for you or if you need anything else.

Bach Pham
Client Manager I
Legend Technical Services, Inc.
651-221-4062
bpham@legend-group.com

Legend will be closed for holiday on Dec. 23rd & 26th, and on Jan. 2nd

EMAIL CONFIDENTIALITY STATEMENT

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From: Andrea A. Nord [mailto:ANord@barr.com]
Sent: Friday, December 16, 2011 3:53 PM
To: Bach Pham (bpham@legend-group.com)
Subject: UMore PCB and Pest Surrogate failures

Bach,

To better tell UMore's story, I'd like to get pictures of the PCB and OC pesticide chromatograms for the surrogate failures on the method blanks, LCS, samples etc. Can you please have Van give me a shot of a "good" surrogate chrome, a picture of a bad surrogate recovery on a selected samples below.

U-LWBC5-1_10202011
U-LWBC7-1_10202011
U-LWBC7-1_10202011
B1J2406-MSD1_10242011_MSD
B1J2406-MSD1_10242011_MSD

We had some sample surrogate recoveries that were 400+% to 1090%. I just want to show pictures of them to support the matrix interferences discussed in the case narratives of the reports. Please don't overlay the chromatograms because it is too hard to read in black and white.

I ran a query of the data base (Attached) that shows all samples whose surrogates were either below or above the laboratory acceptance window for surrogate %Rs.

UMP017346

Andrea A. Nord

Senior Data Quality Specialist
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4700 West 77th Street
Minneapolis, MN 55435

office: 952.832.2893
toll-free: 800.632.2277
fax: 952.832.2601

anord@barr.com
www.barr.com

resourceful. naturally.



Data File : P:\CHEM\ECD1.I\102611\017.D\ECD1A.CH
 Acq On : 27-Oct-11 00:56:16
 Sample : B1J2410-blk1
 Misc :
 IntFile : AUTOINT1.E

Vial: 93
 Operator: TL
 Inst : Dual ECD
 Multiplr: 1.00

Data File : P:\CHEM\ECD1.I\102611\017.D\ECD2B.CH
 Acq On : 27-Oct-11 01:28:58
 Sample : B1J2410-blk1
 Misc :
 IntFile : AUTOINT2.E

Vial: 93
 Operator: TL
 Inst : Dual ECD
 Multiplr: 1.00

Quant Time: Oct 28 11:13:49 2011 Quant Results File: PEST102611.RES

Quant Method : P:\CHEM\ECD1.I\PEST102611.M (Chemstation Integrator)
 Title : Pesticide 608/8081
 Last Update : Thu Oct 27 12:18:29 2011
 Response via : Initial Calibration
 DataAcq Meth : 8080CC05.M

Volume Inj. : 1uL
 Signal #1 Phase : Rtx-CLPesticide Signal #2 Phase: Rtx-CLPesticide2
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/mL	ug/mL
System Monitoring Compounds						
1) S TCMX	5.29	4.84	164.4E6	125.4E6	0.186	0.203
Spiked Amount	0.200		Recovery	=	98.00%	101.50%
2) S Decachlorobiphen	20.19	20.50	233.3E6	159.3E6	0.227	0.209
Spiked Amount	0.200		Recovery	=	113.50%	104.50%

Target Compounds

10/28/11

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Data File : P:\CHEM\ECD1.I\102611\017.D\ECD1A.CH
Acq On : 27-Oct-11 00:56:16
Sample : B1J2410-blk1
Misc :
IntFile : AUTOINT1.E

Vial: 93
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

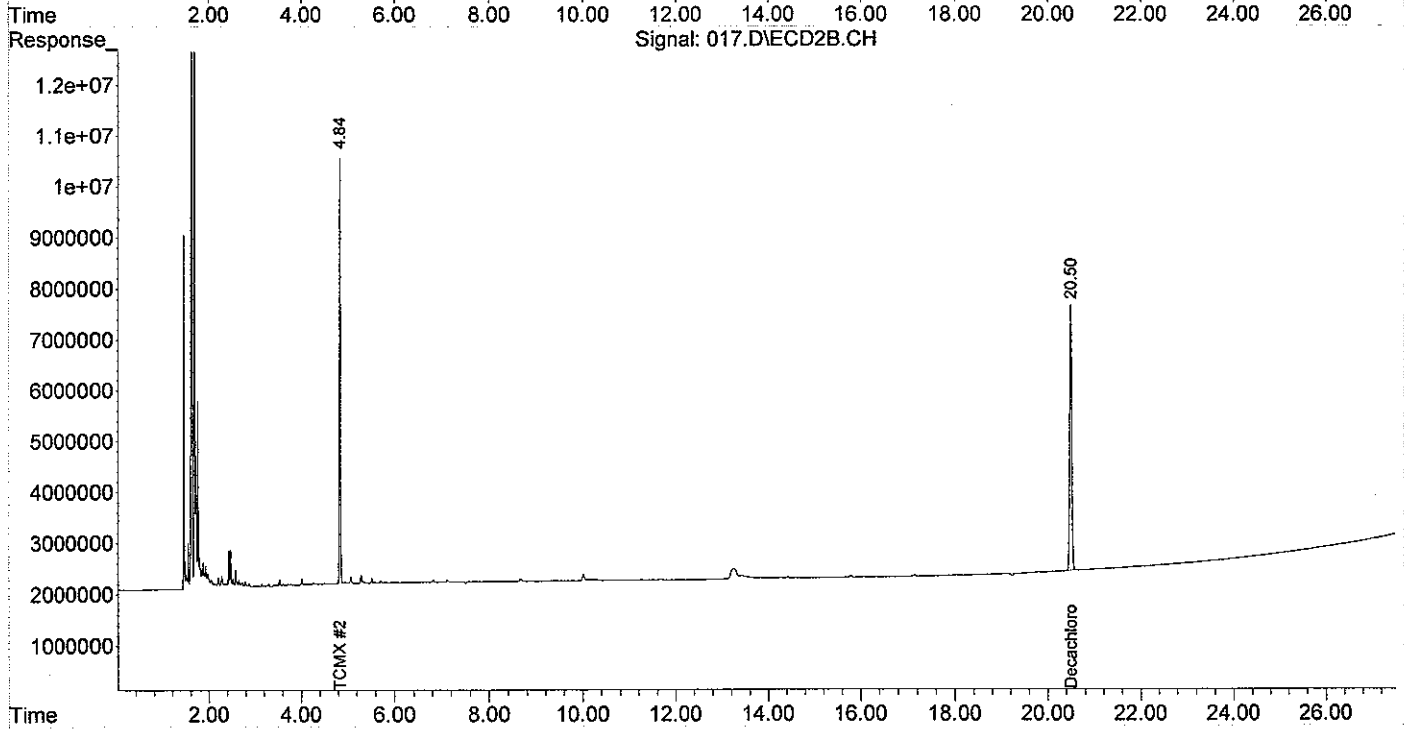
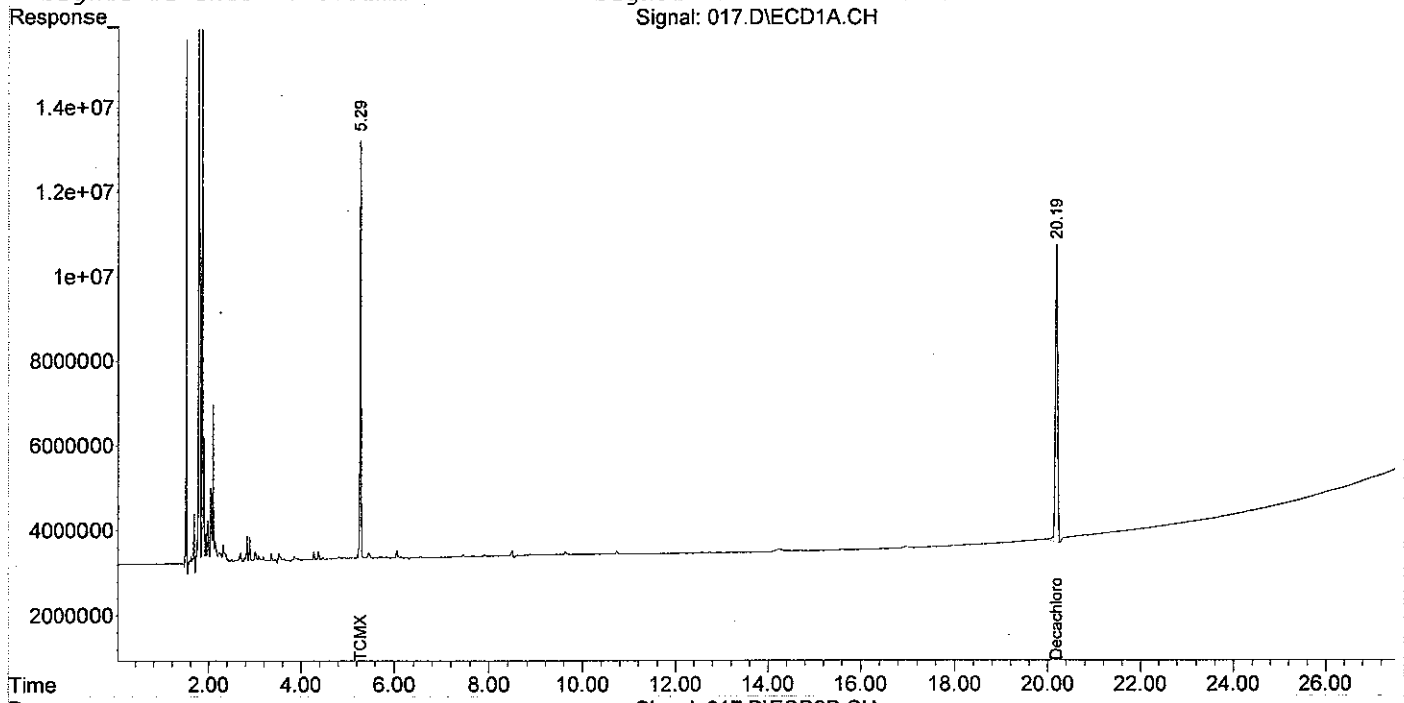
Data File : P:\CHEM\ECD1.I\102611\017.D\ECD2B.CH
Acq On : 27-Oct-11 01:28:58
Sample : B1J2410-blk1
Misc :
IntFile : AUTOINT2.E

Vial: 93
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

Quant Time: Oct 28 11:13 2011 Quant Results File: PEST102611.RES

Quant Method : P:\CHEM\ECD1.I\PEST102611.M (Chemstation Integrator)
Title : Pesticide 608/8081
Last Update : Thu Oct 27 12:18:29 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8080CC05.M

Volume Inj. : 1uL
Signal #1 Phase : Rtx-CLPesticide Signal #2 Phase: Rtx-CLPesticide2
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm
Signal: 017.D\ECD1A.CH



Data File : P:\CHEM\ECD1.IN\102611\018.D\ECD1A.CH
 Acq On : 27-Oct-11 01:28:58
 Sample : B1J2410-bs1
 Misc :
 IntFile : AUTOINT1.E

Vial: 94
 Operator: TL
 Inst : Dual ECD
 Multiplr: 1.00

Data File : P:\CHEM\ECD1.IN\102611\018.D\ECD2B.CH
 Acq On : 27-Oct-11 02:01:55
 Sample : B1J2410-bs1
 Misc :
 IntFile : AUTOINT2.E

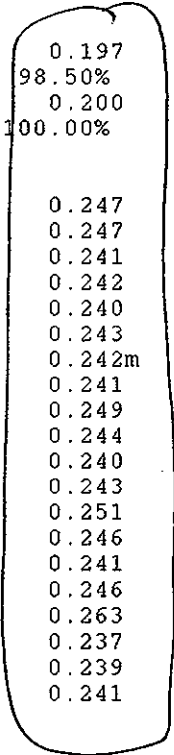
Vial: 94
 Operator: TL
 Inst : Dual ECD
 Multiplr: 1.00

Quant Time: Oct 28 11:15:15 2011 Quant Results File: PEST102611.RES

Quant Method : P:\CHEM\ECD1.IN\PEST102611.M (Chemstation Integrator)
 Title : Pesticide 608/8081
 Last Update : Thu Oct 27 12:18:29 2011
 Response via : Initial Calibration
 DataAcq Meth : 8080CC05.M

Volume Inj. : 1uL
 Signal #1 Phase : Rtx-CLPesticide Signal #2 Phase: Rtx-CLPesticide2
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/mL	ug/mL
System Monitoring Compounds						
1) S TCMX	5.29	4.84	159.0E6	121.7E6	0.190	0.197
Spiked Amount	0.200		Recovery	=	95.00%	98.50%
2) S Decachlorobiphen	20.19	20.50	250.1E6	152.0E6	0.244	0.200
Spiked Amount	0.200		Recovery	=	122.00%	100.00%
Target Compounds						
3) CMT a-BHC	6.39	5.98	290.6E6	235.1E6	0.229	0.247
4) CMT g-BHC (Lindane)	7.07	6.70	277.7E6	220.4E6	0.230	0.247
5) CMT b-BHC	7.26	6.89	133.7E6	99749924	0.229	0.241
6) CMT d-BHC	7.66	7.52	284.4E6	215.4E6	0.235	0.242
7) CMT Heptachlor	8.16	7.66	276.2E6	216.7E6	0.224	0.240
8) CMT Aldrin	8.88	8.39	256.9E6	202.2E6	0.226	0.243
9) CMT Heptachlor Epoxi	10.43	9.79	257.4E6	196.5E6	0.227	0.242m
10) CMT g-Chlordane	10.76	10.29	259.0E6	198.1E6	0.228	0.241
11) CMT a-Chlordane	11.12	10.68	267.6E6	204.8E6	0.235	0.249
12) CMT 4,4'-DDE	11.39	11.22	238.0E6	187.1E6	0.227	0.244
13) CMT Endosulfan I	11.48	10.79	242.5E6	182.6E6	0.226	0.240
14) CMT Dieldrin	12.14	11.53	258.4E6	196.1E6	0.229	0.243
15) CMT Endrin	12.79	12.34	258.9E6	196.4E6	0.236	0.251
16) CMT 4,4'-DDD	13.07	12.84	210.0E6	160.3E6	0.230	0.246
17) CMT Endosulfan II	13.43	12.96	244.3E6	180.8E6	0.230	0.241
18) CMT 4,4'-DDT	13.89	13.74	229.6E6	178.6E6	0.234	0.246
19) CMT Endrin Aldehyde	14.67	13.95	170.9E6	115.9E6	0.251	0.263
20) CMT Methoxychlor	15.42	15.91	140.5E6	107.9E6	0.234	0.237
21) CMT Endosulfan Sulfa	15.98	14.79	239.6E6	168.6E6	0.233	0.239
22) CMT Endrin Ketone	16.81	16.33	292.3E6	221.6E6	0.233	0.241



*Assign 1 mark
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 10/28/11*

Data File : P:\CHEM\ECD1.I\102611\018.D\ECD1A.CH
Acq On : 27-Oct-11 01:28:58
Sample : B1J2410-bs1
Misc :
IntFile : AUTOINT1.E

Vial: 94
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

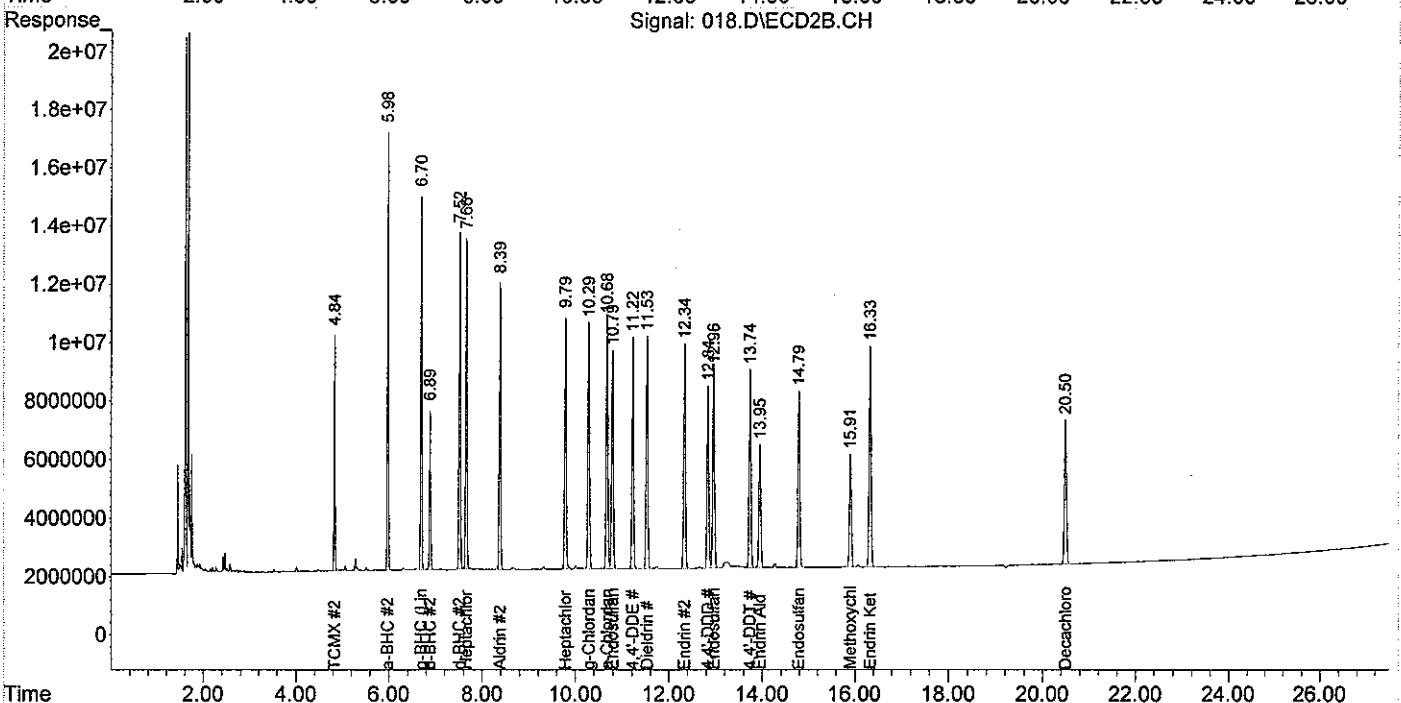
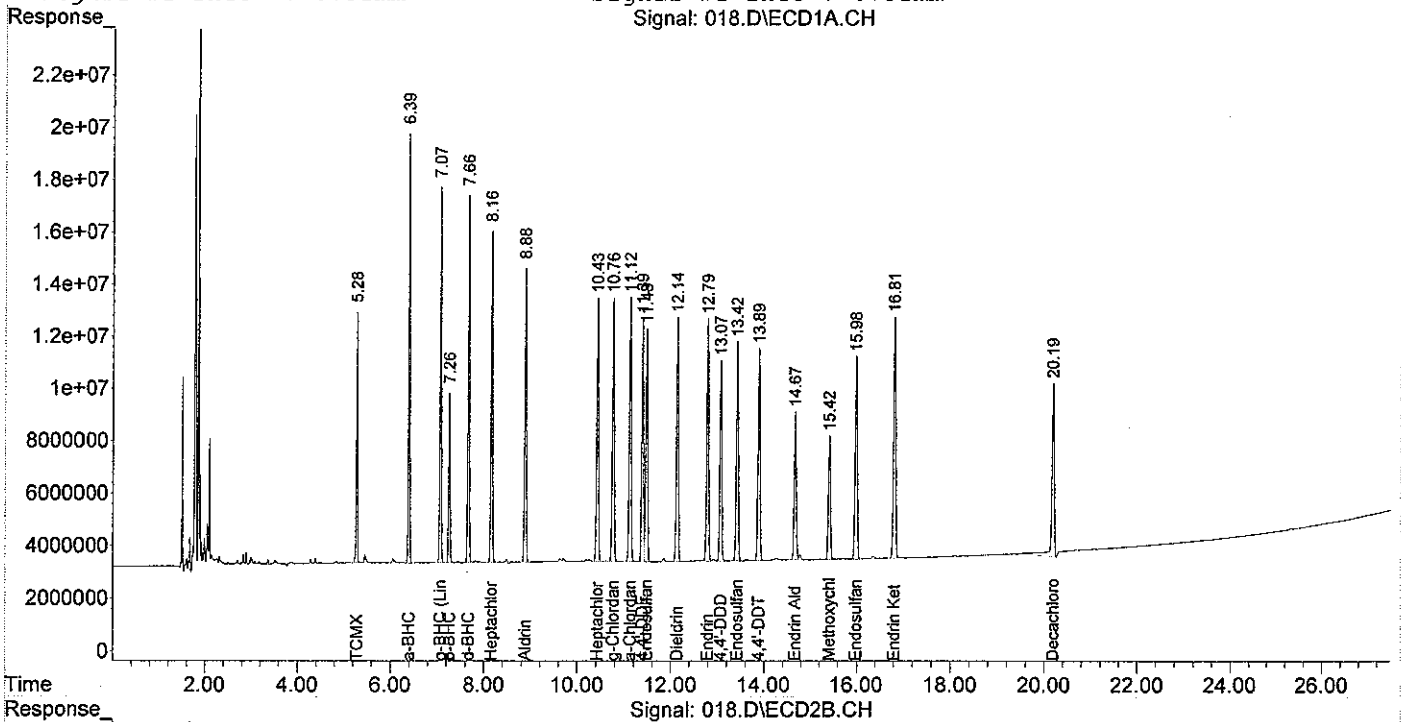
Data File : P:\CHEM\ECD1.I\102611\018.D\ECD2B.CH
Acq On : 27-Oct-11 02:01:55
Sample : B1J2410-bs1
Misc :
IntFile : AUTOINT2.E

Vial: 94
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

Quant Time: Oct 28 11:15 2011 Quant Results File: PEST102611.RES

Quant Method : P:\CHEM\ECD1.I\PEST102611.M (Chemstation Integrator)
Title : Pesticide 608/8081
Last Update : Thu Oct 27 12:18:29 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8080CC05.M

Volume Inj. : 1uL
Signal #1 Phase : Rtx-CLPesticide Signal #2 Phase: Rtx-CLPesticide2
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Data File : P:\CHEM\ECD1.I\102611\023.D\ECD1A.CH
 Acq On : 27-Oct-11 04:13:04
 Sample : B1J2410-ms1
 Misc :
 IntFile : AUTOINT1.E

Vial: 99
 Operator: TL
 Inst : Dual ECD
 Multiplr: 1.00

Data File : P:\CHEM\ECD1.I\102611\023.D\ECD2B.CH
 Acq On : 27-Oct-11 04:45:47
 Sample : B1J2410-ms1
 Misc :
 IntFile : AUTOINT2.E

Vial: 99
 Operator: TL
 Inst : Dual ECD
 Multiplr: 1.00

Quant Time: Oct 28 11:16:35 2011 Quant Results File: PEST102611.RES

Quant Method : P:\CHEM\ECD1.I\PEST102611.M (Chemstation Integrator)
 Title : Pesticide 608/8081
 Last Update : Thu Oct 27 12:18:29 2011
 Response via : Initial Calibration
 DataAcq Meth : 8080CC05.M

Volume Inj. : 1uL
 Signal #1 Phase : Rtx-CLPesticide Signal #2 Phase: Rtx-CLPesticide2
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/mL	ug/mL
System Monitoring Compounds						
1) S TCMX	5.29	4.84	167.7E6	123.6E6	0.200	0.200
Spiked Amount	0.200		Recovery	=	100.00%	100.00%
2) S Decachlorobiphen	20.19	20.50	220.4E6	156.6E6	0.215	0.206
Spiked Amount	0.200		Recovery	=	107.50%	103.00%
Target Compounds						
3) CMT a-BHC	6.39	5.98	308.9E6	237.5E6	0.244	0.249
4) CMT g-BHC (Lindane)	7.07	6.70	296.5E6	222.8E6	0.246	0.249
5) CMT b-BHC	7.27	6.89	144.4E6	103.0E6	0.247	0.249
6) CMT d-BHC	7.67	7.52	308.7E6	212.5E6	0.255	0.239
7) CMT Heptachlor	8.16	7.66	293.2E6	218.0E6	0.238	0.242
8) CMT Aldrin	8.89	8.39	272.9E6	204.3E6	0.240	0.246
9) CMT Heptachlor Epoxi	10.43	9.79	275.1E6	201.6E6	0.242	0.248
10) CMT g-Chlordane	10.76	10.29	278.6E6	203.4E6	0.245	0.248
11) CMT a-Chlordane	11.12	10.68	286.7E6	210.2E6	0.251	0.256
12) CMT 4,4'-DDE	11.39	11.22	257.2E6	192.7E6	0.246	0.251
13) CMT Endosulfan I	11.48	10.79	260.3E6	187.4E6	0.242	0.247
14) CMT Dieldrin	12.14	11.53	277.9E6	201.5E6	0.247	0.250
15) CMT Endrin	12.79	12.34	278.3E6	202.2E6	0.254	0.258
16) CMT 4,4'-DDD	13.07	12.84	224.0E6	165.3E6	0.246	0.253
17) CMT Endosulfan II	13.43	12.96	262.9E6	187.1E6	0.247	0.250
18) CMT 4,4'-DDT	13.89	13.75	246.3E6	184.1E6	0.251	0.253
19) CMT Endrin Aldehyde	14.67	13.95	203.6E6	134.6E6	0.299	0.305
20) CMT Methoxychlor	15.42	15.91	148.0E6	111.0E6	0.247	0.244
21) CMT Endosulfan Sulfa	15.98	14.79	254.5E6	174.0E6	0.247	0.247
22) CMT Endrin Ketone	16.82	16.33	310.4E6	228.6E6	0.247	0.249

10/28/11

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10/28/11

Data File : P:\CHEM\ECD1.I\102611\023.D\ECD1A.CH
Acq On : 27-Oct-11 04:13:04
Sample : B1J2410-ms1
Misc :
IntFile : AUTOINT1.E

Vial: 99
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

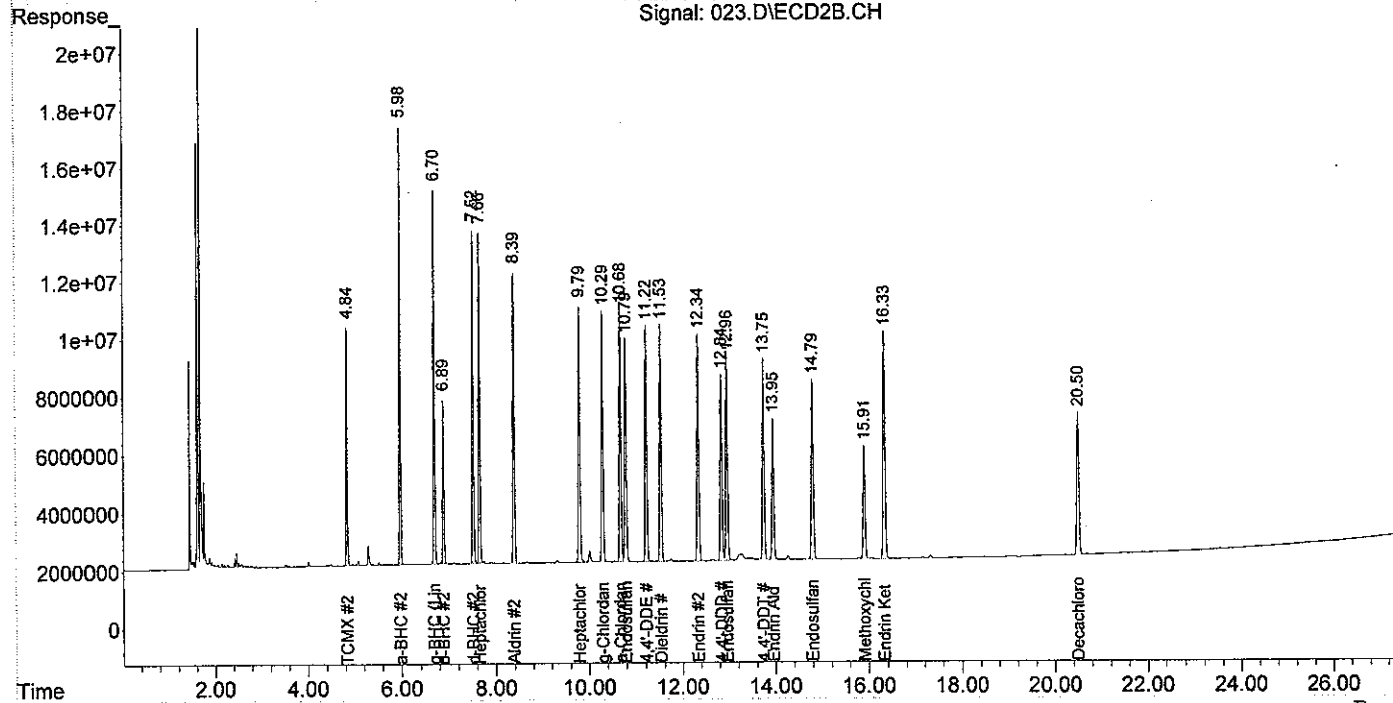
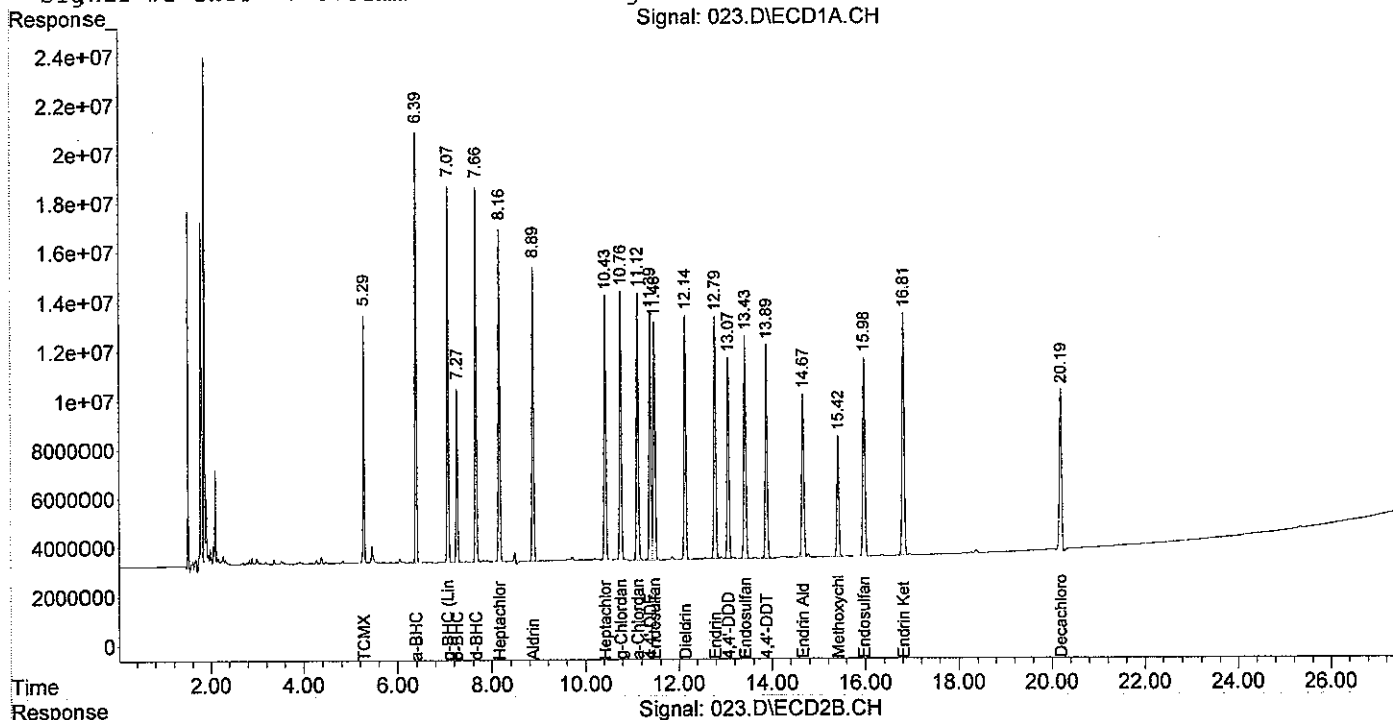
Data File : P:\CHEM\ECD1.I\102611\023.D\ECD2B.CH
Acq On : 27-Oct-11 04:45:47
Sample : B1J2410-ms1
Misc :
IntFile : AUTOINT2.E
Quant Time: Oct 28 11:16 2011

Vial: 99
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

Quant Results File: PEST102611.RES

Quant Method : P:\CHEM\ECD1.I\PEST102611.M (Chemstation Integrator)
Title : Pesticide 608/8081
Last Update : Thu Oct 27 12:18:29 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8080CC05.M

Volume Inj. : 1uL
Signal #1 Phase : Rtx-CLPesticide Signal #2 Phase: Rtx-CLPesticide2
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm
Signal: 023.D\ECD1A.CH



Data File : P:\CHEM\ECD1.I\102611\024.D\ECD1A.CH
 Acq On : 27-Oct-11 04:45:47
 Sample : B1J2410-msd1
 Misc :
 IntFile : AUTOINT1.E

Vial: 100
 Operator: TL
 Inst : Dual ECD
 Multiplr: 1.00

Data File : P:\CHEM\ECD1.I\102611\024.D\ECD2B.CH
 Acq On : 27-Oct-11 05:18:43
 Sample : B1J2410-msd1
 Misc :
 IntFile : AUTOINT2.E

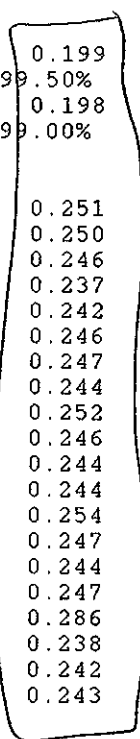
Vial: 100
 Operator: TL
 Inst : Dual ECD
 Multiplr: 1.00

Quant Time: Oct 28 11:18:10 2011 Quant Results File: PEST102611.RES

Quant Method : P:\CHEM\ECD1.I\PEST102611.M (Chemstation Integrator)
 Title : Pesticide 608/8081
 Last Update : Thu Oct 27 12:18:29 2011
 Response via : Initial Calibration
 DataAcq Meth : 8080CC05.M

Volume Inj. : 1uL
 Signal #1 Phase : Rtx-CLPesticide Signal #2 Phase: Rtx-CLPesticide2
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/mL	ug/mL
System Monitoring Compounds						
1) S TCMX	5.29	4.84	164.4E6	122.5E6	0.196	0.199
Spiked Amount	0.200		Recovery	=	98.00%	99.50%
2) S Decachlorobiphen	20.19	20.50	217.8E6	150.8E6	0.212	0.198
Spiked Amount	0.200		Recovery	=	106.00%	99.00%
Target Compounds						
3) CMT a-BHC	6.39	5.98	306.0E6	238.7E6	0.242	0.251
4) CMT g-BHC (Lindane)	7.07	6.70	292.0E6	223.6E6	0.242	0.250
5) CMT b-BHC	7.27	6.89	140.7E6	101.8E6	0.241	0.246
6) CMT d-BHC	7.66	7.52	299.2E6	210.8E6	0.247	0.237
7) CMT Heptachlor	8.16	7.66	290.5E6	218.8E6	0.236	0.242
8) CMT Aldrin	8.89	8.39	270.1E6	204.7E6	0.238	0.246
9) CMT Heptachlor Epoxi	10.43	9.79	268.8E6	200.5E6	0.237	0.247
10) CMT g-Chlordane	10.76	10.29	269.8E6	200.4E6	0.237	0.244
11) CMT a-Chlordane	11.12	10.68	279.8E6	207.5E6	0.245	0.252
12) CMT 4,4'-DDE	11.39	11.22	248.0E6	188.8E6	0.237	0.246
13) CMT Endosulfan I	11.48	10.79	253.1E6	185.3E6	0.235	0.244
14) CMT Dieldrin	12.14	11.53	268.2E6	197.1E6	0.238	0.244
15) CMT Endrin	12.79	12.34	269.6E6	198.6E6	0.246	0.254
16) CMT 4,4'-DDD	13.07	12.84	215.3E6	161.2E6	0.236	0.247
17) CMT Endosulfan II	13.43	12.96	253.0E6	182.9E6	0.238	0.244
18) CMT 4,4'-DDT	13.89	13.75	238.2E6	179.4E6	0.243	0.247
19) CMT Endrin Aldehyde	14.67	13.96	188.4E6	126.4E6	0.276	0.286
20) CMT Methoxychlor	15.42	15.91	142.7E6	108.4E6	0.238	0.238
21) CMT Endosulfan Sulfa	15.98	14.79	244.9E6	170.5E6	0.238	0.242
22) CMT Endrin Ketone	16.82	16.33	298.3E6	223.3E6	0.238	0.243



10/28/11

UP
 10/28/11

Data File : P:\CHEM\ECD1.I\102611\024.D\ECD1A.CH
 Acq On : 27-Oct-11 04:45:47
 Sample : BIJ2410-msd1
 Misc :
 IntFile : AUTOINT1.E

Vial: 100
 Operator: TL
 Inst : Dual ECD
 Multiplr: 1.00

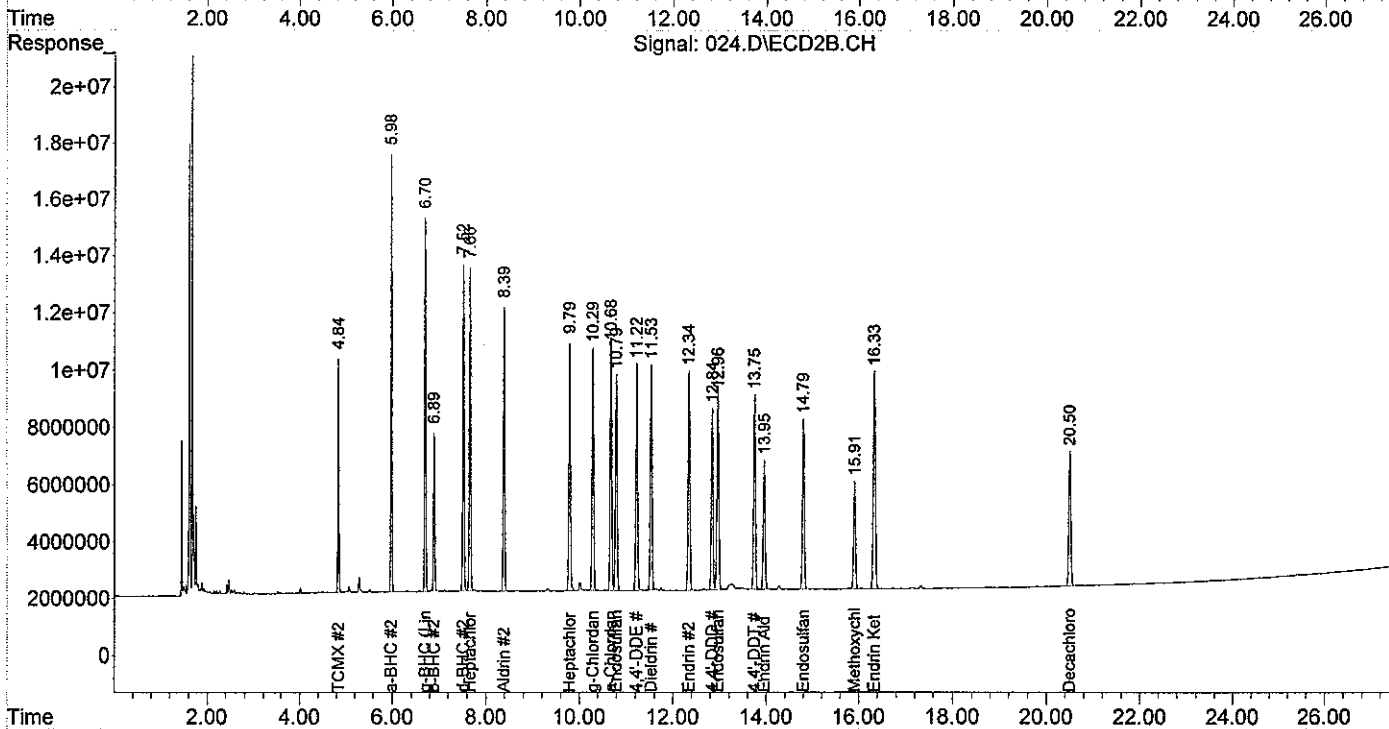
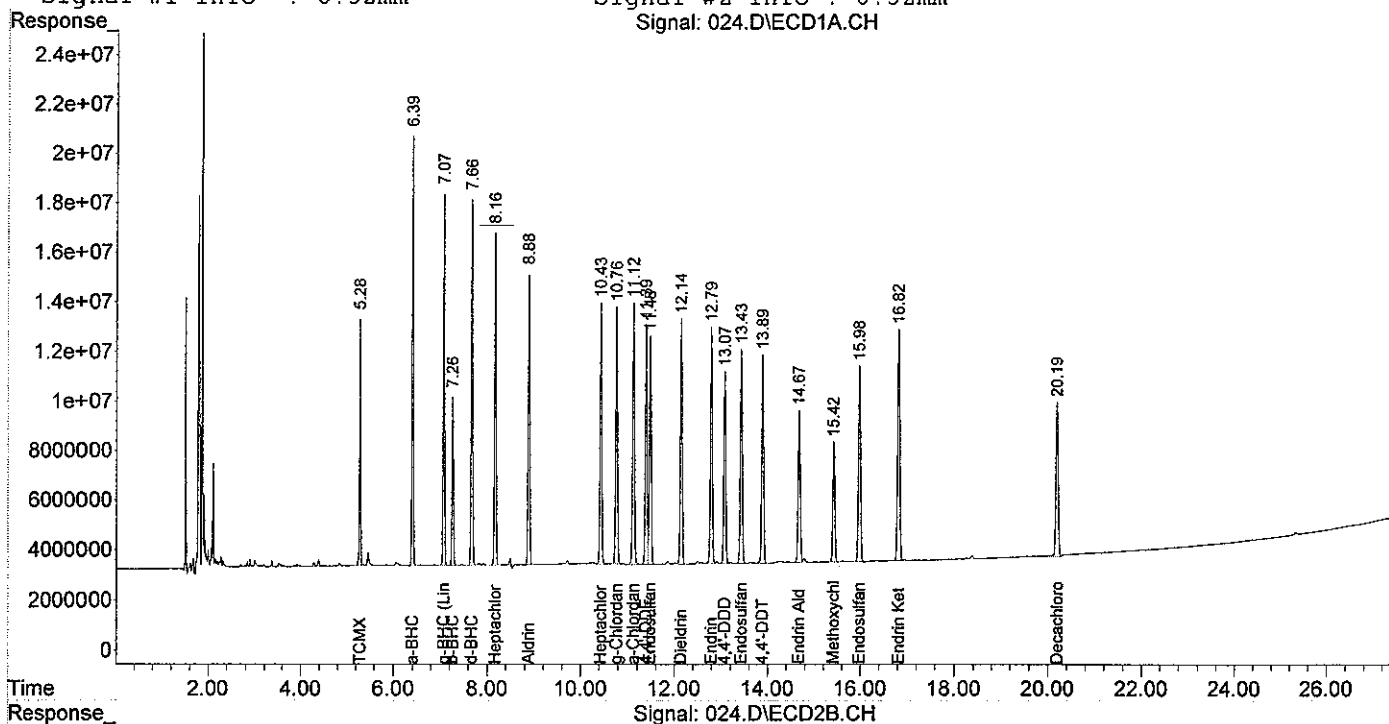
Data File : P:\CHEM\ECD1.I\102611\024.D\ECD2B.CH
 Acq On : 27-Oct-11 05:18:43
 Sample : BIJ2410-msd1
 Misc :
 IntFile : AUTOINT2.E

Vial: 100
 Operator: TL
 Inst : Dual ECD
 Multiplr: 1.00

Quant Time: Oct 28 11:18 2011 Quant Results File: PEST102611.RES

Quant Method : P:\CHEM\ECD1.I\PEST102611.M (Chemstation Integrator)
 Title : Pesticide 608/8081
 Last Update : Thu Oct 27 12:18:29 2011
 Response via : Multiple Level Calibration
 DataAcq Meth : 8080CC05.M

Volume Inj. : 1uL
 Signal #1 Phase : Rtx-CLPesticide Signal #2 Phase: Rtx-CLPesticide2
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm
 Signal: 024.D\ECD1A.CH



Data File : P:\CHEM\ECD1.I\102611\031.D\ECD1A.CH
 Acq On : 27-Oct-11 08:35:42
 Sample : 1105127-01
 Misc :
 IntFile : AUTOINT1.E

Vial: 7
 Operator: TL
 Inst : Dual ECD
 Multiplr: 1.00

Data File : P:\CHEM\ECD1.I\102611\031.D\ECD2B.CH
 Acq On : 27-Oct-11 09:08:25
 Sample : 1105127-01
 Misc :
 IntFile : AUTOINT2.E

Vial: 7
 Operator: TL
 Inst : Dual ECD
 Multiplr: 1.00

Quant Time: Oct 28 11:29:25 2011 Quant Results File: PEST102611.RES

Quant Method : P:\CHEM\ECD1.I\PEST102611.M (Chemstation Integrator)
 Title : Pesticide 608/8081
 Last Update : Thu Oct 27 12:18:29 2011
 Response via : Initial Calibration
 DataAcq Meth : 8080CC05.M

Volume Inj. : 1uL
 Signal #1 Phase : Rtx-CLPesticide Signal #2 Phase: Rtx-CLPesticide2
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/mL	ug/mL
----------	------	------	--------	--------	-------	-------

System Monitoring Compounds

1) S TCMX	5.29	4.84	182.9E6	103.5E6	0.219	0.168
Spiked Amount	0.200		Recovery	=	109.50%	84.00%
2) S Decachlorobiphen	20.19	20.56f	197.2E6	783.6E6	0.192	1.029m#
Spiked Amount	0.200		Recovery	=	96.00%	514.50%

Target Compounds

10) CMT g-Chlordane	10.76	10.29	522.7E6	408.7E6	0.460m	0.498m
18) CMT 4,4'-DDT	13.89	13.74	1550.6E6	1241.8E6	1.581	1.708m

→ S-04
 → Dilute

11/2/11

US
 11/2/11

Data File : P:\CHEM\ECD1.I\102611\031.D\ECD1A.CH
Acq On : 27-Oct-11 08:35:42
Sample : 1105127-01
Misc :
IntFile : AUTOINT1.E

Vial: 7
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

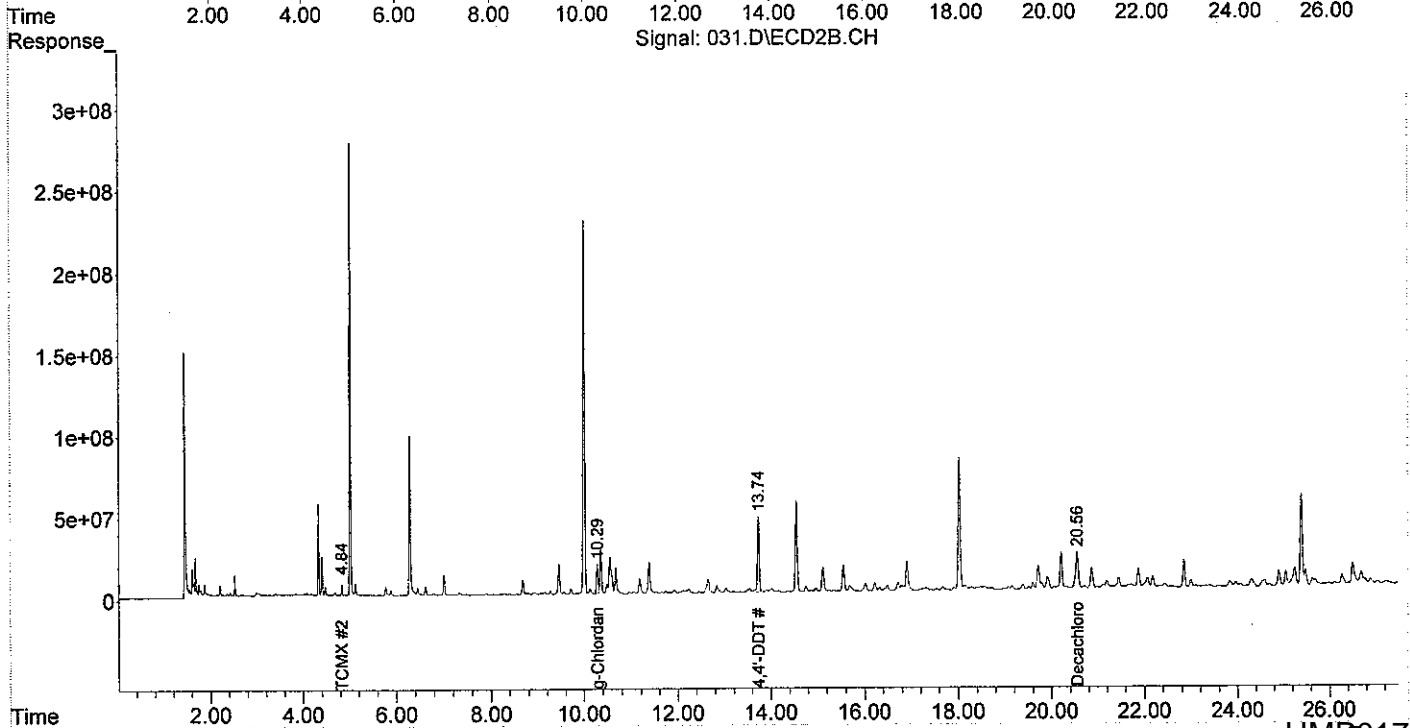
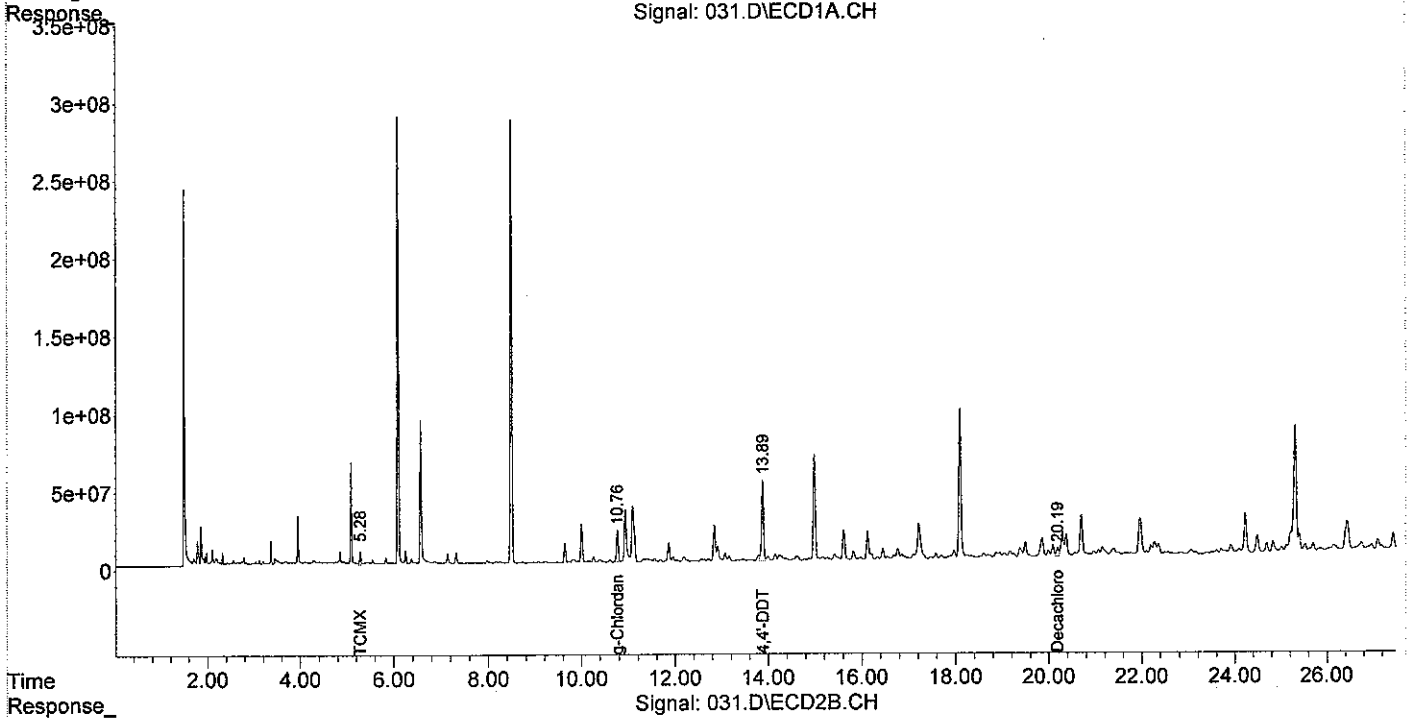
Data File : P:\CHEM\ECD1.I\102611\031.D\ECD2B.CH
Acq On : 27-Oct-11 09:08:25
Sample : 1105127-01
Misc :
IntFile : AUTOINT2.E

Vial: 7
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

Quant Time: Oct 28 11:29 2011 Quant Results File: PEST102611.RES

Quant Method : P:\CHEM\ECD1.I\PEST102611.M (Chemstation Integrator)
Title : Pesticide 608/8081
Last Update : Thu Oct 27 12:18:29 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8080CC05.M

Volume Inj. : 1uL
Signal #1 Phase : Rtx-CLPesticide Signal #2 Phase: Rtx-CLPesticide2
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm
Signal: 031.D\ECD1A.CH



Data File : P:\CHEM\ECD1.I\102811\026.D\ECD1A.CH
Acq On : 29-Oct-11 06:08:28
Sample : 1105127-04
Misc :
IntFile : AUTOINT1.E

Vial: 2
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

Data File : P:\CHEM\ECD1.I\102811\026.D\ECD2B.CH
Acq On : 29-Oct-11 06:41:21
Sample : 1105127-04
Misc :
IntFile : AUTOINT2.E

Vial: 2
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

Quant Time: Oct 31 11:22:10 2011 Quant Results File: PEST102811.RES

Quant Method : P:\CHEM\ECD1.I\PEST102811.M (Chemstation Integrator)
Title : Pesticide 608/8081
Last Update : Mon Oct 31 10:24:17 2011
Response via : Initial Calibration
DataAcq Meth : 8080CC05.M

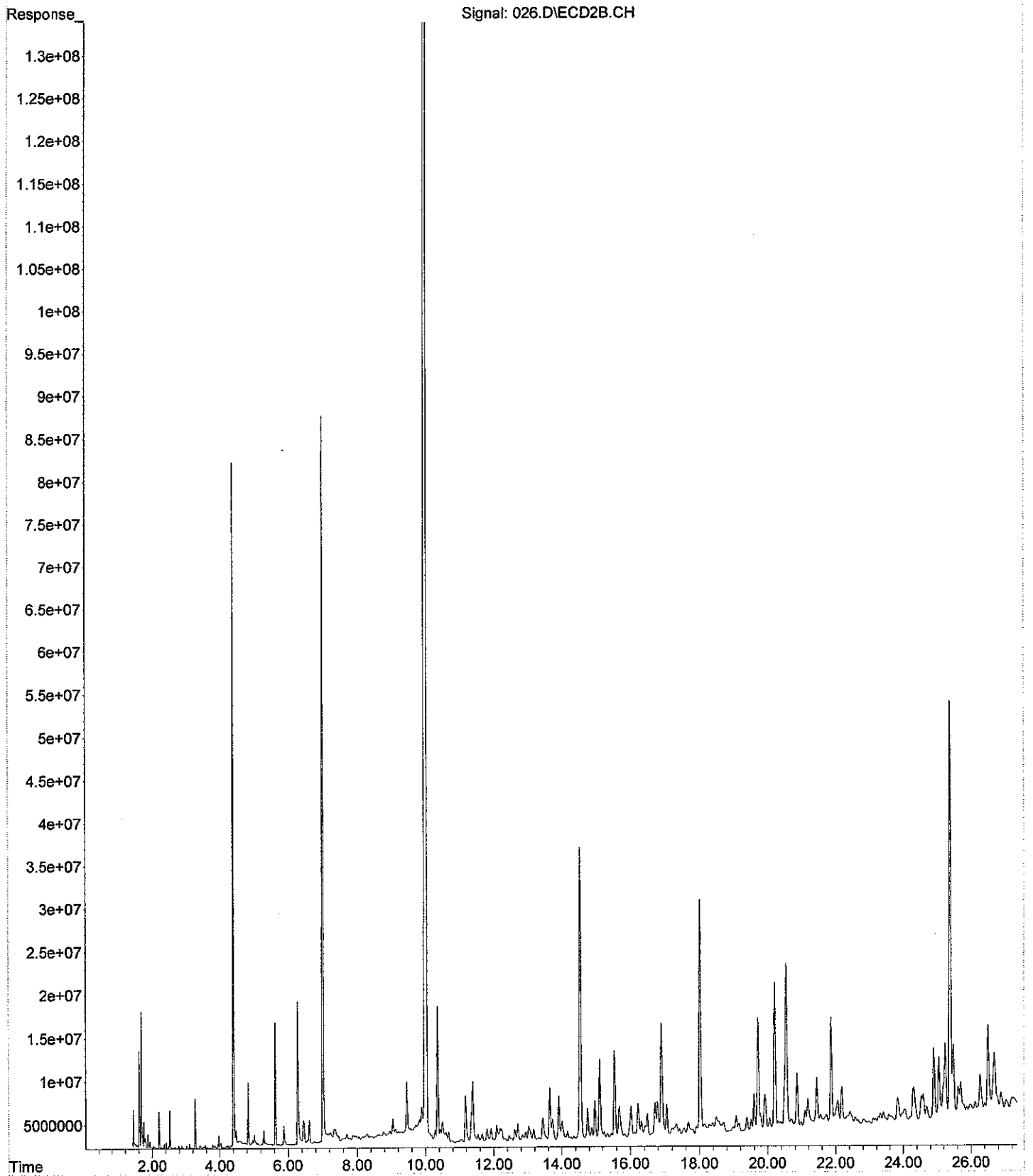
Volume Inj. : 1uL
Signal #1 Phase : Rtx-CLPesticide Signal #2 Phase: Rtx-CLPesticide2
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/mL	ug/mL
System Monitoring Compounds						
1) S TCMX	5.28	4.83	157.7E6	106.6E6	0.213	0.202
Spiked Amount	0.200		Recovery	=	106.50%	101.00%
2) S Decachlorobiphen	20.18	20.56f	833.9E6	655.7E6	0.870	0.982m
Spiked Amount	0.200		Recovery	=	435.00%	491.00%
Target Compounds						
11) CMT a-Chlordane	11.12	10.67	31152585	27529701	0.031m	0.039

*Accepted level
11/1/11*

*VR
11/1/11*

File : P:\CHEM\ECD1.I\102811\026.D
Operator : TL
Acquired : 29-Oct-11 06:08:28 using AcqMethod 8080CC05.M
Instrument : Dual ECD
Sample Name: 1105127-04
Misc Info :
Vial Number: 2



Data File : P:\CHEM\ECD1.I\102811\027.D\ECD1A.CH
Acq On : 29-Oct-11 06:41:21
Sample : 1105127-05
Misc :
IntFile : AUTOINT1.E

Vial: 3
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

Data File : P:\CHEM\ECD1.I\102811\027.D\ECD2B.CH
Acq On : 29-Oct-11 07:14:02
Sample : 1105127-05
Misc :
IntFile : AUTOINT2.E

Vial: 3
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

Quant Time: Oct 31 11:40:42 2011 Quant Results File: PEST102811.RES

Quant Method : P:\CHEM\ECD1.I\PEST102811.M (Chemstation Integrator)
Title : Pesticide 608/8081
Last Update : Mon Oct 31 10:24:17 2011
Response via : Initial Calibration
DataAcq Meth : 8080CC05.M

Volume Inj. : 1uL
Signal #1 Phase : Rtx-CLPesticide Signal #2 Phase: Rtx-CLPesticide2
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/mL	ug/mL
System Monitoring Compounds						
1) S TCMX	5.28	4.83	168.4E6	126.3E6	0.228	0.240m
Spiked Amount	0.200		Recovery	=	114.00%	120.00%
2) S Decachlorobiphen	20.19	20.56f	211.2E6	1454.9E6	0.220	2.179m#
Spiked Amount	0.200		Recovery	=	110.00%	1089.50%

Target Compounds

*Assumed low C
11/1/11*

*JP
11/1/11*

Data File : P:\CHEM\ECD1.I\102811\027.D\ECD1A.CH
Acq On : 29-Oct-11 06:41:21
Sample : 1105127-05
Misc :
IntFile : AUTOINT1.E

Vial: 3
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

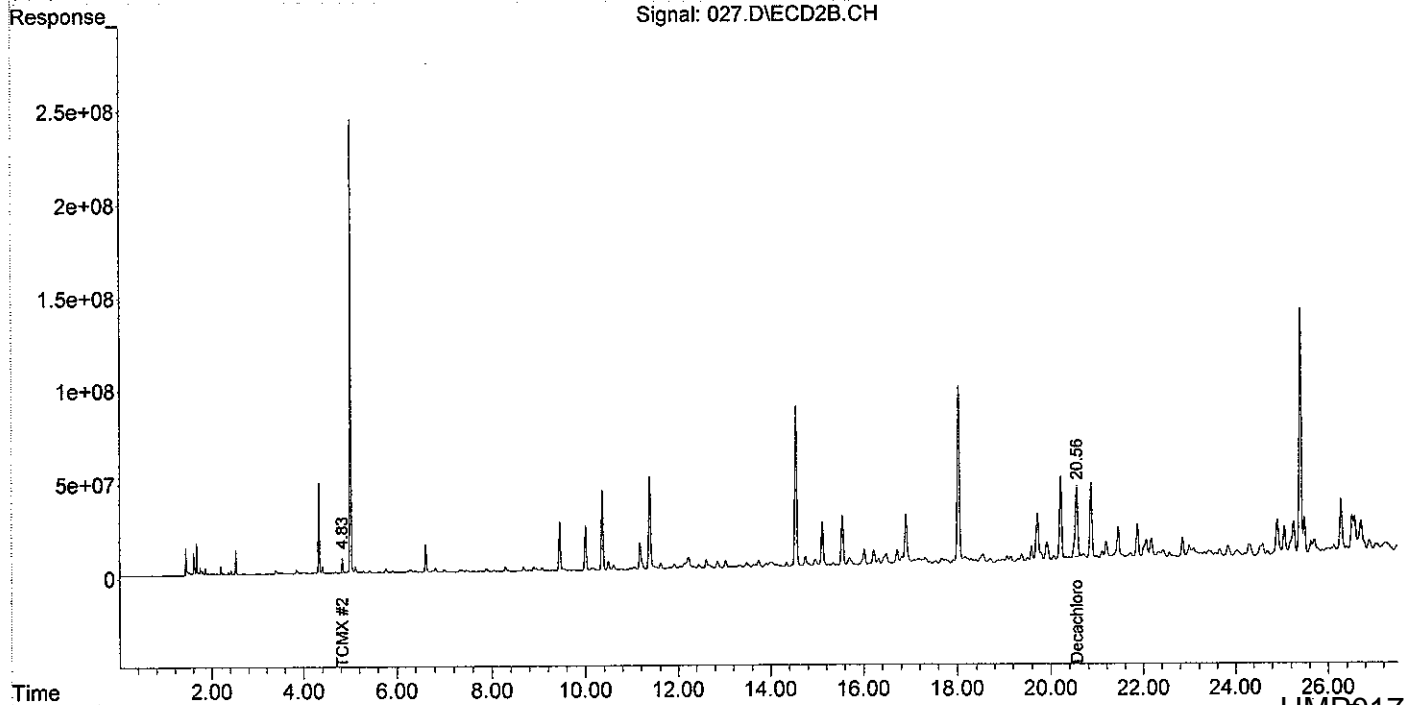
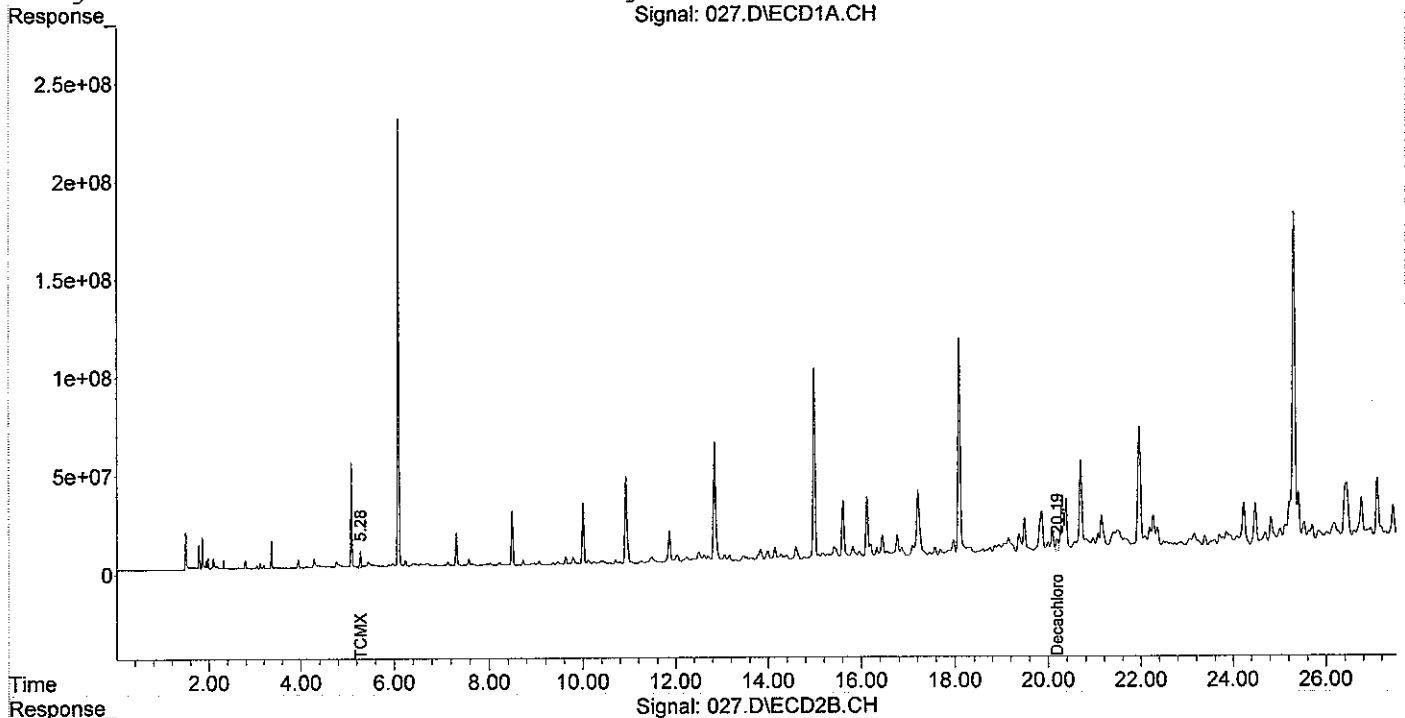
Data File : P:\CHEM\ECD1.I\102811\027.D\ECD2B.CH
Acq On : 29-Oct-11 07:14:02
Sample : 1105127-05
Misc :
IntFile : AUTOINT2.E

Vial: 3
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

Quant Time: Oct 31 11:40 2011 Quant Results File: PEST102811.RES

Quant Method : P:\CHEM\ECD1.I\PEST102811.M (Chemstation Integrator)
Title : Pesticide 608/8081
Last Update : Mon Oct 31 10:24:17 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8080CC05.M

Volume Inj. : 1uL
Signal #1 Phase : Rtx-CLPesticide Signal #2 Phase: Rtx-CLPesticide2
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm
Signal: 027.D\ECD1A.CH



Data File : P:\CHEM\ECD1.I\102411\053.D\ECD1A.CH
 Acq On : 25-Oct-11 20:12:06
 Sample : B1J2406-msd1
 Misc :
 IntFile : PCBEVENTS.E

Vial: 81
 Operator: TL
 Inst : Dual ECD
 Multiplr: 1.00

Data File : P:\CHEM\ECD1.I\102411\053.D\ECD2B.CH
 Acq On : 25-Oct-11 20:45:06
 Sample : B1J2406-msd1
 Misc :
 IntFile : PCBEVENTS2.E
 Quant Time: Oct 26 14:34:28 2011

Vial: 81
 Operator: TL
 Inst : Dual ECD
 Multiplr: 1.00

Quant Results File: PCB101411.RES

Quant Method : P:\CHEM\ECD1.I\PCB101411.M (Chemstation Integrator)
 Title : PCB 608/8082
 Last Update : Mon Oct 17 07:47:54 2011
 Response via : Initial Calibration
 DataAcq Meth : 8080CC05.M

Volume Inj. : 1uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/mL	ug/mL
System Monitoring Compounds						
1) S TCMX	5.27	4.82	99946285	72263733	0.097	0.108m
Spiked Amount	0.200				48.50%	54.00%
Recovery					=	
2) S Decachlorobiphen	20.12	20.39	161.8E6	92578253	0.135	0.110m
Spiked Amount	0.200				67.50%	55.00%
Recovery					=	
Target Compounds						
Sum 1016			0	0	N.D.	N.D.
Average 1016					0.000	0.000
Sum 1221			0	0	N.D.	N.D.
Average 1221					0.000	0.000
Sum 1232			0	0	N.D.	N.D.
Average 1232					0.000	0.000
Sum 1242			0	0	N.D.	N.D.
Average 1242					0.000	0.000
Sum 1248			0	0	N.D.	N.D.
Average 1248					0.000	0.000
Sum 1254			0	0	N.D.	N.D.
Average 1254					0.000	0.000
36) CL7M 1260	12.14	12.02	61758480	45726510	0.933	1.038m
37) CL7M 1260 {2}	12.94	12.64	95475170	56745527	0.966	1.070
38) CL7M 1260 {3}	13.74	13.65	89883394	64061983	1.089	1.238
39) CL7M 1260 {4}	14.08	13.93	58910161	44385820	1.006	1.105
40) CL7M 1260 {5}	14.81	14.79	60679241	46160968	0.976	1.093
41) CL7M 1260 {6}	15.76	15.58	134.8E6	101.4E6	1.026	1.153
42) CL7M 1260 {7}	16.63	16.69	79466874	71982893	1.145	1.218
Sum 1260			580.9E6	430.4E6	7.142	7.915
Average 1260					1.020	1.131

*Assess the
 results*

*VOP
 10/26/11*

Data File : P:\CHEM\ECD1.I\102411\053.D\ECD1A.CH
Acq On : 25-Oct-11 20:12:06
Sample : B1J2406-msd1
Misc :
IntFile : PCBEVENTS.E

Vial: 81
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

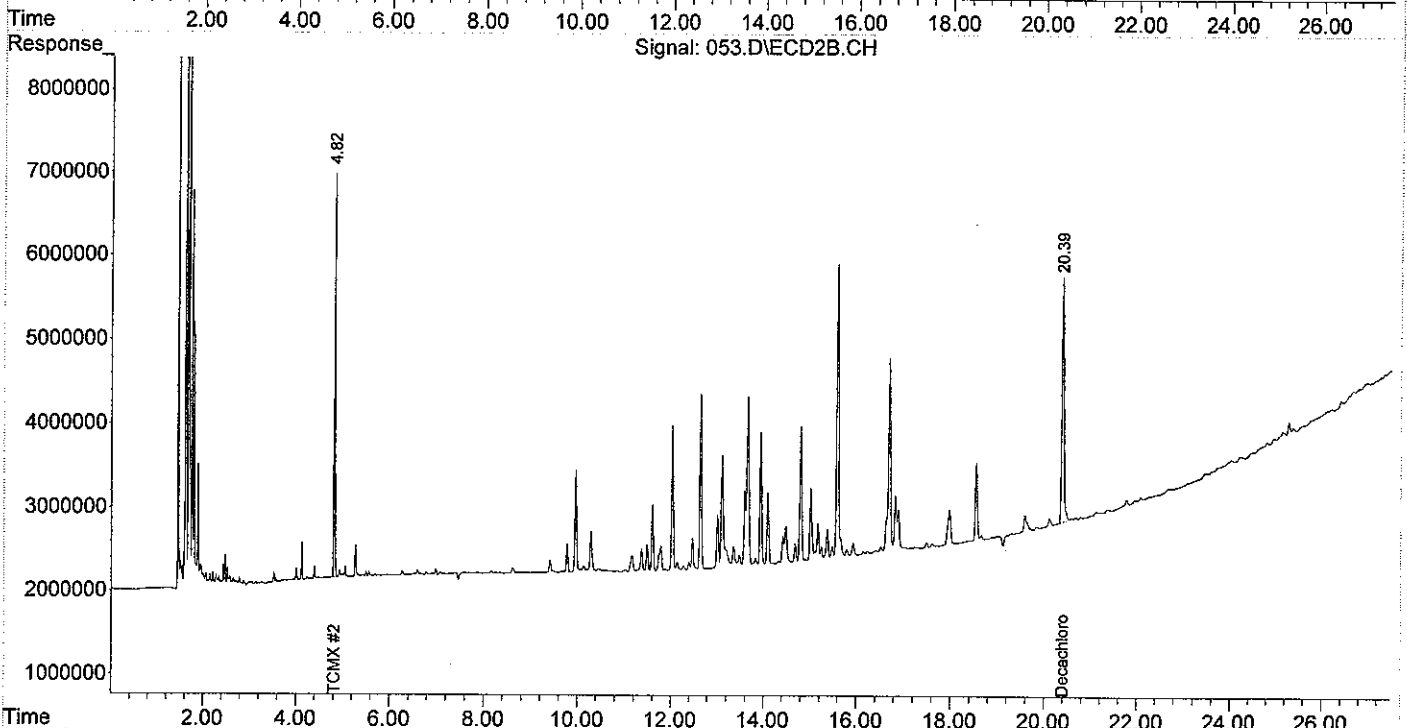
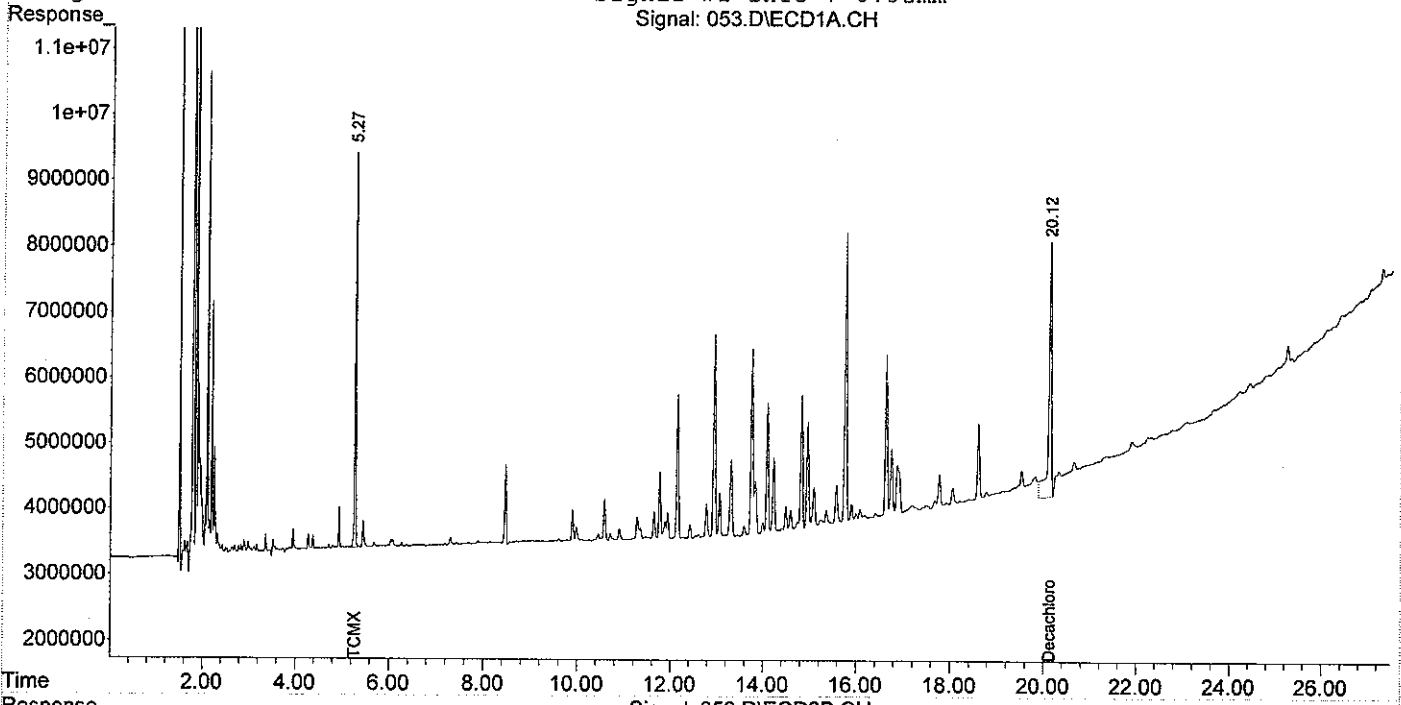
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Acq On : 25-Oct-11 20:45:06
Sample : B1J2406-msd1
Misc :
IntFile : PCBEVENTS2.E

Vial: 81
Operator: TL
Inst : Dual ECD
Multiplr: 1.00

Quant Time: Oct 26 14:34 2011 Quant Results File: PCB101411.RES

Quant Method : P:\CHEM\ECD1.I\PCB101411.M (Chemstation Integrator)
Title : PCB 608/8082
Last Update : Mon Oct 17 07:47:54 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8080CC05.M

Volume Inj. : 1uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm
Signal: 053.D\ECD1A.CH





88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

November 01, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105132
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/21/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "T-LE", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
U-PC6-1	1105132-01	Soil	10/21/11 08:30	10/21/11 13:50
U-PC6-2	1105132-02	Soil	10/21/11 10:00	10/21/11 13:50
M-1	1105132-03	Soil	10/21/11 10:15	10/21/11 13:50
B6-SS1_0.5-0.5	1105132-04	Soil	10/21/11 11:00	10/21/11 13:50
C6-SS1_0.5-0.5	1105132-05	Soil	10/21/11 11:10	10/21/11 13:50
C6-SS2_0.5-0.5	1105132-06	Soil	10/21/11 12:45	10/21/11 13:50
C6-SS3_0.5-0.5	1105132-07	Soil	10/21/11 13:00	10/21/11 13:50
FB-1	1105132-08	Water	10/21/11 00:00	10/21/11 13:50
Trip Blank	1105132-09	Methanol	10/21/11 00:00	10/21/11 13:50

Shipping Container Information

Default Cooler Temperature (°C): 3.8

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

The recovery for mercury in the MS/MSD samples for batch B1J2615 was outside of the laboratory control limits due to the sample concentration being disproportionate to the spike amount. The LCS/LCSD samples, and %RPDs were within limits. The MS/MSD source sample was not associated to this work order.

Recoveries for alpha-BHC, gamma-BHC, delta-BHC, and 4,4'-DDD were above the method limits and recoveries for 4,4'-DDT and methoxychlor were below the method limits in the ending 8081A continuing calibration verification standard (CCVS). However, following calibration evaluation procedures per EPA 8000B, the average % difference for all analytes was within the method limit, verifying the calibration. The specific analytes are flagged as required. All recoveries were within limits in the beginning and middle CCVS.

Recoveries of the 8081A spike compound 4,4'-DDT were above laboratory acceptance limits in the batch B1J2604 MS/MSD. All spike compounds were within limits in the LCS. The source sample was sample U-PC6-1.

Recovery for the 8270 surrogates 2-fluorobiphenyl in sample U-PC6_1 was below laboratory limits.

Recoveries for ethylbenzene in the batch B1J2441 MS/MSD were above 8260 laboratory limits but within limits in the LCS. The MS/MSD source sample was not associated with this work order

Acetone and tetrahydrofuran were detected in the 8260 batch B1J2441 BLK between the MDL and RL. Samples with acetone and tetrahydrofuran detections less than or equal to 10 times the blank contamination are qualified.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
---	--	--

TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC6-1 (1105132-01) Soil Sampled: 10/21/11 08:30 Received: 10/21/11 13:50										
Arsenic	4.7	0.70	0.077	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	170	1.4	0.085	mg/kg dry	1	"	"	"	"	
Cadmium	0.74	0.35	0.046	mg/kg dry	1	"	"	"	"	
Chromium	18	0.70	0.017	mg/kg dry	1	"	"	"	"	
Lead	58	1.4	0.20	mg/kg dry	1	"	"	"	"	
Mercury	8.4	1.4	0.27	mg/kg dry	10	B1J2615	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.4	1.4	0.13	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.35	0.35	0.023	mg/kg dry	1	"	"	"	"	
U-PC6-2 (1105132-02) Soil Sampled: 10/21/11 10:00 Received: 10/21/11 13:50										
Arsenic	8.0	0.62	0.068	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	62	1.2	0.074	mg/kg dry	1	"	"	"	"	
Cadmium	0.42	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	12	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	29	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1J2615	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
M-1 (1105132-03) Soil Sampled: 10/21/11 10:15 Received: 10/21/11 13:50										
Arsenic	6.5	0.61	0.067	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	54	1.2	0.073	mg/kg dry	1	"	"	"	"	
Cadmium	0.38	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	8.3	0.61	0.015	mg/kg dry	1	"	"	"	"	
Lead	26	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J2615	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	
B6-SS1_0.5-0.5 (1105132-04) Soil Sampled: 10/21/11 11:00 Received: 10/21/11 13:50										
Arsenic	4.6	0.54	0.060	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	65	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	13	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	16	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J2615	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
C6-SS1_0.5-0.5 (1105132-05) Soil Sampled: 10/21/11 11:10 Received: 10/21/11 13:50										
Arsenic	4.5	0.53	0.059	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-SS1_0.5-0.5 (1105132-05) Soil Sampled: 10/21/11 11:10 Received: 10/21/11 13:50										
Barium	63	1.1	0.064	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	13	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	18	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1J2615	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
C6-SS2_0.5-0.5 (1105132-06) Soil Sampled: 10/21/11 12:45 Received: 10/21/11 13:50										
Arsenic	5.1	0.54	0.060	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	75	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	14	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	17	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.091	0.091	0.017	mg/kg dry	1	B1J2615	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
C6-SS3_0.5-0.5 (1105132-07) Soil Sampled: 10/21/11 13:00 Received: 10/21/11 13:50										
Arsenic	4.3	0.54	0.059	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	48	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	"	"	"	"	
Chromium	12	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J2615	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
FB-1 (1105132-08) Water Sampled: 10/21/11 00:00 Received: 10/21/11 13:50										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1J2405	10/24/11	10/26/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1J2713	10/27/11	10/28/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1J2405	10/24/11	10/26/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC6-1 (1105132-01) Soil Sampled: 10/21/11 08:30 Received: 10/21/11 13:50										
Aroclor 1016	<0.28	0.28	0.011	mg/kg dry	1	B1J2605	10/26/11	10/29/11	EPA 8082	
Aroclor 1221	<0.28	0.28	0.028	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.28	0.28	0.032	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.28	0.28	0.014	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.28	0.28	0.056	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.28	0.28	0.056	mg/kg dry	1	"	"	"	"	
Aroclor 1260	1.4	0.28	0.0083	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	72.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	88.5			60.9-138 %		"	"	"	"	

U-PC6-2 (1105132-02) Soil Sampled: 10/21/11 10:00 Received: 10/21/11 13:50										
Aroclor 1016	<0.25	0.25	0.0098	mg/kg dry	1	B1J2605	10/26/11	10/29/11	EPA 8082	
Aroclor 1221	<0.25	0.25	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.25	0.25	0.028	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.25	0.25	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.25	0.25	0.049	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.25	0.25	0.049	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.25	0.25	0.0073	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	70.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	92.0			60.9-138 %		"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC6-1 (1105132-01) Soil Sampled: 10/21/11 08:30 Received: 10/21/11 13:50										
% Solids	71			%	1	B1J2808	10/28/11	10/28/11	% calculation	
U-PC6-2 (1105132-02) Soil Sampled: 10/21/11 10:00 Received: 10/21/11 13:50										
% Solids	81			%	1	B1J2808	10/28/11	10/28/11	% calculation	
M-1 (1105132-03) Soil Sampled: 10/21/11 10:15 Received: 10/21/11 13:50										
% Solids	82			%	1	B1J2808	10/28/11	10/28/11	% calculation	
B6-SS1_0.5-0.5 (1105132-04) Soil Sampled: 10/21/11 11:00 Received: 10/21/11 13:50										
% Solids	92			%	1	B1J2808	10/28/11	10/28/11	% calculation	
C6-SS1_0.5-0.5 (1105132-05) Soil Sampled: 10/21/11 11:10 Received: 10/21/11 13:50										
% Solids	94			%	1	B1J2808	10/28/11	10/28/11	% calculation	
C6-SS2_0.5-0.5 (1105132-06) Soil Sampled: 10/21/11 12:45 Received: 10/21/11 13:50										
% Solids	92			%	1	B1J2808	10/28/11	10/28/11	% calculation	
C6-SS3_0.5-0.5 (1105132-07) Soil Sampled: 10/21/11 13:00 Received: 10/21/11 13:50										
% Solids	93			%	1	B1J2808	10/28/11	10/28/11	% calculation	

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC6-1 (1105132-01) Soil Sampled: 10/21/11 08:30 Received: 10/21/11 13:50										
4,4'-DDD	<0.056	0.056	0.0028	mg/kg dry	1	B1J2604	10/26/11	10/29/11	EPA 8081A	V7
4,4'-DDE	<0.056	0.056	0.0028	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.056	0.056	0.0028	mg/kg dry	1	"	"	"	"	QM-05, V8
Aldrin	<0.056	0.056	0.0030	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.056	0.056	0.0028	mg/kg dry	1	"	"	"	"	V7
alpha-Chlordane	<0.056	0.056	0.0028	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.056	0.056	0.0031	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.056	0.056	0.0028	mg/kg dry	1	"	"	"	"	V7
Dieldrin	<0.056	0.056	0.0028	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.056	0.056	0.0031	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.056	0.056	0.0030	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.056	0.056	0.0030	mg/kg dry	1	"	"	"	"	
Endrin	<0.056	0.056	0.0028	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.056	0.056	0.0020	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.056	0.056	0.0030	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.056	0.056	0.0030	mg/kg dry	1	"	"	"	"	V7
gamma-Chlordane	<0.056	0.056	0.0030	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.056	0.056	0.0030	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.056	0.056	0.0028	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.056	0.056	0.0030	mg/kg dry	1	"	"	"	"	V8
Toxaphene	<0.11	0.11	0.023	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	84.5			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	108			65.2-135 %		"	"	"	"	

U-PC6-2 (1105132-02) Soil Sampled: 10/21/11 10:00 Received: 10/21/11 13:50										
4,4'-DDD	<0.049	0.049	0.0025	mg/kg dry	1	B1J2604	10/26/11	10/29/11	EPA 8081A	V7
4,4'-DDE	<0.049	0.049	0.0025	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.049	0.049	0.0025	mg/kg dry	1	"	"	"	"	V8
Aldrin	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.049	0.049	0.0025	mg/kg dry	1	"	"	"	"	V7
alpha-Chlordane	<0.049	0.049	0.0025	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.049	0.049	0.0027	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.049	0.049	0.0025	mg/kg dry	1	"	"	"	"	V7
Dieldrin	<0.049	0.049	0.0025	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.049	0.049	0.0027	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Endrin	<0.049	0.049	0.0025	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.049	0.049	0.0017	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	

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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC6-2 (1105132-02) Soil Sampled: 10/21/11 10:00 Received: 10/21/11 13:50										
gamma-BHC (Lindane)	<0.049	0.049	0.0026	mg/kg dry	1	B1J2604	10/26/11	10/29/11	EPA 8081A	V7
gamma-Chlordane	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.049	0.049	0.0025	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.049	0.049	0.0026	mg/kg dry	1	"	"	"	"	V8
Toxaphene	<0.099	0.099	0.020	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	93.0			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	110			65.2-135 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC6-1 (1105132-01) Soil Sampled: 10/21/11 08:30 Received: 10/21/11 13:50										
1,2,4-Trichlorobenzene	<0.044	0.46	0.044	mg/kg dry	1	B1J2606	10/26/11	10/26/11	EPA 8270C	
1,2-Dichlorobenzene	<0.046	0.46	0.046	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.051	0.46	0.051	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.044	0.46	0.044	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.041	0.46	0.041	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.11	0.94	0.11	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.052	0.94	0.052	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.11	0.94	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.11	0.94	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.94	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.045	0.94	0.045	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	4.1	0.46	0.049	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.097	0.94	0.097	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	0.36	0.46	0.055	mg/kg dry	1	"	"	"	"	J
2-Chloronaphthalene	<0.048	0.46	0.048	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.085	0.94	0.085	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.051	0.46	0.051	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.048	0.94	0.048	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.054	0.46	0.054	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.12	0.94	0.12	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.045	0.94	0.045	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.21	2.3	0.21	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.038	0.46	0.038	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.048	0.94	0.048	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.046	0.46	0.046	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.093	0.94	0.093	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.038	0.94	0.038	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.051	0.46	0.051	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.048	0.46	0.048	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.13	0.94	0.13	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.054	0.46	0.054	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.058	0.46	0.058	mg/kg dry	1	"	"	"	"	
Aniline	<0.044	0.94	0.044	mg/kg dry	1	"	"	"	"	
Anthracene	0.13	0.46	0.051	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.27	3.5	0.27	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.32	0.46	0.058	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.31	0.46	0.059	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.45	0.46	0.061	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.061	0.46	0.061	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC6-1 (1105132-01) Soil Sampled: 10/21/11 08:30 Received: 10/21/11 13:50										
Benzo(k)fluoranthene	0.18	0.46	0.068	mg/kg dry	1	B1J2606	10/26/11	10/26/11	EPA 8270C	J
Benzoic acid	<0.034	0.46	0.034	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.13	0.94	0.13	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.048	0.46	0.048	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.049	0.46	0.049	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.048	0.46	0.048	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.068	0.46	0.068	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.059	0.46	0.059	mg/kg dry	1	"	"	"	"	
Carbazole	0.066	0.46	0.049	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	0.40	0.46	0.062	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.061	0.46	0.061	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.046	0.46	0.046	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.044	0.46	0.044	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.042	0.46	0.042	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	3.6	0.46	0.062	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.068	0.46	0.068	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.62	0.46	0.055	mg/kg dry	1	"	"	"	"	
Fluorene	<0.049	0.46	0.049	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.051	0.46	0.051	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.042	0.46	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.034	0.46	0.034	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.042	0.46	0.042	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.19	0.46	0.056	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.044	0.46	0.044	mg/kg dry	1	"	"	"	"	
Naphthalene	0.067	0.46	0.046	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.046	0.46	0.046	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.031	0.46	0.031	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.046	0.46	0.046	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	0.17	0.46	0.037	mg/kg dry	1	"	"	"	"	J
Pentachlorophenol	<0.11	0.94	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.52	0.46	0.051	mg/kg dry	1	"	"	"	"	
Phenol	<0.097	0.94	0.097	mg/kg dry	1	"	"	"	"	
Pyrene	0.49	0.46	0.058	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	84.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	109			53.9-97.9 %		"	"	"	"	S-GC
Surrogate: 2-Fluorophenol	64.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	74.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	62.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC6-2 (1105132-02) Soil Sampled: 10/21/11 10:00 Received: 10/21/11 13:50										
1,2,4-Trichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	B1J2606	10/26/11	10/26/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.83	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.093	0.83	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.099	0.83	0.099	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	0.050	0.41	0.043	mg/kg dry	1	"	"	"	"	J
2,6-Dichlorophenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.074	0.83	0.074	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.83	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.83	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.83	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.081	0.83	0.081	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.83	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.83	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.83	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	0.074	0.41	0.044	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.23	3.1	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.39	0.41	0.051	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.39	0.41	0.052	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.57	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.053	0.41	0.053	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC6-2 (1105132-02) Soil Sampled: 10/21/11 10:00 Received: 10/21/11 13:50										
Benzo(k)fluoranthene	0.22	0.41	0.059	mg/kg dry	1	B1J2606	10/26/11	10/26/11	EPA 8270C	J
Benzoic acid	0.25	0.41	0.030	mg/kg dry	1	"	"	"	"	J
Benzyl alcohol	<0.12	0.83	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.45	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.062	0.41	0.053	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.56	0.41	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.41	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.25	0.41	0.049	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.41	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.096	0.83	0.096	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.27	0.41	0.044	mg/kg dry	1	"	"	"	"	J
Phenol	<0.085	0.83	0.085	mg/kg dry	1	"	"	"	"	
Pyrene	0.45	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	90.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B6-SS1_0.5-0.5 (1105132-04) Soil Sampled: 10/21/11 11:00 Received: 10/21/11 13:50										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J2606	10/26/11	10/26/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.050	0.36	0.039	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.094	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.085	0.36	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.12	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B6-SS1_0.5-0.5 (1105132-04) Soil Sampled: 10/21/11 11:00 Received: 10/21/11 13:50										
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	B1J2606	10/26/11	10/26/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.12	0.36	0.048	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.053	0.36	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.15	0.36	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	101			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	88.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	76.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	86.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	74.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-SS1_0.5-0.5 (1105132-05) Soil Sampled: 10/21/11 11:10 Received: 10/21/11 13:50										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2606	10/26/11	10/26/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.067	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.059	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.088	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-SS1_0.5-0.5 (1105132-05) Soil Sampled: 10/21/11 11:10 Received: 10/21/11 13:50										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1J2606	10/26/11	10/26/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.074	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.098	0.35	0.038	mg/kg dry	1	"	"	"	"	J
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	63.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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C6-SS2_0.5-0.5 (1105132-06) Soil Sampled: 10/21/11 12:45 Received: 10/21/11 13:50

1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J2606	10/26/11	10/26/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-SS2_0.5-0.5 (1105132-06) Soil Sampled: 10/21/11 12:45 Received: 10/21/11 13:50										
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	B1J2606	10/26/11	10/26/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.049	0.36	0.042	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	89.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	78.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	74.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	79.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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C6-SS3_0.5-0.5 (1105132-07) Soil Sampled: 10/21/11 13:00 Received: 10/21/11 13:50

1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1J2606	10/26/11	10/26/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.11	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.11	0.35	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.17	0.35	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-SS3_0.5-0.5 (1105132-07) Soil Sampled: 10/21/11 13:00 Received: 10/21/11 13:50										
Benzo(k)fluoranthene	0.065	0.35	0.052	mg/kg dry	1	B1J2606	10/26/11	10/26/11	EPA 8270C	J
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.14	0.35	0.047	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.14	0.35	0.042	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.087	0.35	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	0.085	0.72	0.084	mg/kg dry	1	"	"	"	"	J
Phenanthrene	0.15	0.35	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	0.086	0.35	0.044	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	95.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	83.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	81.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC6-1 (1105132-01) Soil Sampled: 10/21/11 08:30 Received: 10/21/11 13:50										
1,1,1,2-Tetrachloroethane	<0.097	0.41	0.097	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1,1-Trichloroethane	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.056	0.41	0.056	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.11	0.41	0.11	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.044	0.82	0.044	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.029	0.41	0.029	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.14	3.3	0.14	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.023	0.41	0.023	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
Acetone	0.82	3.3	0.31	mg/kg dry	1	"	"	"	"	B-01, J
Allyl chloride	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Benzene	<0.025	0.41	0.025	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.061	0.41	0.061	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bromoform	<0.044	0.82	0.044	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.18	0.82	0.18	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.056	0.41	0.056	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.031	0.41	0.031	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.061	0.41	0.061	mg/kg dry	1	"	"	"	"	
Chloroform	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.10	0.41	0.10	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.043	0.41	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC6-1 (1105132-01) Soil Sampled: 10/21/11 08:30 Received: 10/21/11 13:50										
cis-1,3-Dichloropropene	<0.036	0.41	0.036	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
Dibromochloromethane	<0.056	0.41	0.056	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.047	0.41	0.047	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.16	0.82	0.16	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.062	0.41	0.062	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.062	0.82	0.062	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.018	0.41	0.018	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.11	1.6	0.11	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.031	0.41	0.031	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.077	0.82	0.077	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.13	0.82	0.13	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.026	0.41	0.026	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.32	1.6	0.095	mg/kg dry	1	"	"	"	"	J
Naphthalene	<0.090	0.82	0.090	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.023	0.41	0.023	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
Styrene	<0.033	0.41	0.033	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.029	0.41	0.029	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.046	0.41	0.046	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	0.58	3.3	0.20	mg/kg dry	1	"	"	"	"	B-01, T-1, J
Toluene	<0.026	0.41	0.026	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.067	0.41	0.067	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.057	0.41	0.057	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.11	0.41	0.11	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	109			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	96.9			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	99.6			78.1-125 %		"	"	"	"	

U-PC6-2 (1105132-02) Soil Sampled: 10/21/11 10:00 Received: 10/21/11 13:50										
1,1,1,2-Tetrachloroethane	<0.081	0.34	0.081	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1,1-Trichloroethane	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.047	0.34	0.047	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.093	0.34	0.093	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC6-2 (1105132-02) Soil Sampled: 10/21/11 10:00 Received: 10/21/11 13:50										
1,1-Dichloroethene	<0.034	0.34	0.034	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1-Dichloropropene	<0.029	0.34	0.029	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.084	0.69	0.084	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.033	0.34	0.033	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.037	0.69	0.037	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.095	0.69	0.095	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.12	2.7	0.12	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.019	0.34	0.019	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.029	0.34	0.029	mg/kg dry	1	"	"	"	"	
Acetone	0.88	2.7	0.26	mg/kg dry	1	"	"	"	"	B-01, J
Allyl chloride	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Benzene	<0.021	0.34	0.021	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.051	0.34	0.051	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Bromoform	<0.037	0.69	0.037	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.15	0.69	0.15	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.047	0.34	0.047	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.026	0.34	0.026	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.051	0.34	0.051	mg/kg dry	1	"	"	"	"	
Chloroform	<0.029	0.34	0.029	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.084	0.34	0.084	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.047	0.34	0.047	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.14	0.69	0.14	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.052	0.34	0.052	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.052	0.69	0.052	mg/kg dry	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PC6-2 (1105132-02) Soil Sampled: 10/21/11 10:00 Received: 10/21/11 13:50										
Ethylbenzene	<0.015	0.34	0.015	mg/kg dry	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
Hexachlorobutadiene	<0.095	1.4	0.095	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.026	0.34	0.026	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.064	0.69	0.064	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.11	0.69	0.11	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.31	1.4	0.080	mg/kg dry	1	"	"	"	"	J
Naphthalene	<0.075	0.69	0.075	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.029	0.34	0.029	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.019	0.34	0.019	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
Styrene	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	0.36	2.7	0.16	mg/kg dry	1	"	"	"	"	B-01, T-1, J
Toluene	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.056	0.34	0.056	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.048	0.34	0.048	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.089	0.34	0.089	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	109			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	95.7			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	97.5			78.1-125 %		"	"	"	"	

Trip Blank (1105132-09) Methanol Sampled: 10/21/11 00:00 Received: 10/21/11 13:50										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105132-09) Methanol Sampled: 10/21/11 00:00 Received: 10/21/11 13:50										
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	B1J2441	10/24/11	10/24/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	0.74	2.0	0.19	mg/kg wet	1	"	"	"	"	B-01, J
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105132-09) Methanol Sampled: 10/21/11 00:00 Received: 10/21/11 13:50										
Methylene chloride	0.24	1.0	0.058	mg/kg wet	1	B1J2441	10/24/11	10/24/11	EPA 8260B	J
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	0.33	2.0	0.12	mg/kg wet	1	"	"	"	"	B-01, T-1, J
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	108			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	96.9			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	97.2			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2405 - EPA 200.7/3005A Digestion

Blank (B1J2405-BLK1)

Prepared: 10/24/11 Analyzed: 10/26/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1J2405-BS1)

Prepared: 10/24/11 Analyzed: 10/26/11

Arsenic	0.407	0.010	0.0011	mg/L	0.399		102	80-120			
Barium	0.435	0.020	0.0012	mg/L	0.399		109	80-120			
Cadmium	0.408	0.0010	0.00013	mg/L	0.399		102	80-120			
Chromium	0.418	0.010	0.00024	mg/L	0.399		105	80-120			
Lead	0.430	0.0030	0.00042	mg/L	0.399		108	80-120			
Selenium	0.409	0.020	0.0019	mg/L	0.399		102	80-120			
Silver	0.0411	0.0050	0.00031	mg/L	0.0399		103	80-120			

LCS Dup (B1J2405-BSD1)

Prepared: 10/24/11 Analyzed: 10/26/11

Arsenic	0.409	0.010	0.0011	mg/L	0.399		102	80-120	0.364	20	
Barium	0.435	0.020	0.0012	mg/L	0.399		109	80-120	0.0494	20	
Cadmium	0.406	0.0010	0.00013	mg/L	0.399		102	80-120	0.659	20	
Chromium	0.418	0.010	0.00024	mg/L	0.399		105	80-120	0.0380	20	
Lead	0.430	0.0030	0.00042	mg/L	0.399		108	80-120	0.0339	20	
Selenium	0.409	0.020	0.0019	mg/L	0.399		102	80-120	0.0220	20	
Silver	0.0410	0.0050	0.00031	mg/L	0.0399		103	80-120	0.320	20	

Matrix Spike (B1J2405-MS1)

Source: 1105075-06

Prepared: 10/24/11 Analyzed: 10/26/11

Arsenic	0.407	0.010	0.0011	mg/L	0.399	<0.010	102	75-125			
Barium	0.432	0.020	0.0012	mg/L	0.399	<0.020	108	75-125			
Cadmium	0.411	0.0010	0.00013	mg/L	0.399	<0.0010	103	75-125			
Chromium	0.419	0.010	0.00024	mg/L	0.399	<0.010	105	75-125			
Lead	0.433	0.0030	0.00042	mg/L	0.399	<0.0030	109	75-125			
Selenium	0.408	0.020	0.0019	mg/L	0.399	<0.020	102	75-125			
Silver	0.0412	0.0050	0.00031	mg/L	0.0399	<0.0050	103	75-125			

Matrix Spike Dup (B1J2405-MSD1)

Source: 1105075-06

Prepared: 10/24/11 Analyzed: 10/26/11

Arsenic	0.403	0.010	0.0011	mg/L	0.399	<0.010	101	75-125	1.00	20	
Barium	0.430	0.020	0.0012	mg/L	0.399	<0.020	107	75-125	0.595	20	
Cadmium	0.400	0.0010	0.00013	mg/L	0.399	<0.0010	100	75-125	2.51	20	
Chromium	0.412	0.010	0.00024	mg/L	0.399	<0.010	103	75-125	1.63	20	
Lead	0.425	0.0030	0.00042	mg/L	0.399	<0.0030	106	75-125	2.05	20	
Selenium	0.403	0.020	0.0019	mg/L	0.399	<0.020	101	75-125	1.19	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2405 - EPA 200.7/3005A Digestion

Matrix Spike Dup (B1J2405-MSD1)

Source: 1105075-06

Prepared: 10/24/11 Analyzed: 10/26/11

Silver	0.0411	0.0050	0.00031	mg/L	0.0399	<0.0050	103	75-125	0.318	20	
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Batch B1J2615 - EPA 7471A

Blank (B1J2615-BLK1)

Prepared: 10/26/11 Analyzed: 10/28/11

Mercury	< 0.10	0.10	0.019	mg/kg wet							
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LCS (B1J2615-BS1)

Prepared: 10/26/11 Analyzed: 10/28/11

Mercury	0.173	0.10	0.019	mg/kg wet	0.200		86.5	80-120			
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LCS Dup (B1J2615-BSD1)

Prepared: 10/26/11 Analyzed: 10/28/11

Mercury	0.197	0.10	0.019	mg/kg wet	0.200		98.5	80-120	13.0	20	
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Matrix Spike (B1J2615-MS1)

Source: 1105127-01

Prepared: 10/26/11 Analyzed: 10/28/11

Mercury	14.7	2.6	0.49	mg/kg dry	0.204	14.6	47.0	75-125			M3
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Matrix Spike Dup (B1J2615-MSD1)

Source: 1105127-01

Prepared: 10/26/11 Analyzed: 10/28/11

Mercury	13.5	2.4	0.45	mg/kg dry	0.191	14.6	NR	75-125	8.46	20	M3
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Batch B1J2618 - EPA 3050B

Blank (B1J2618-BLK1)

Prepared: 10/26/11 Analyzed: 10/27/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1J2618-BS1)

Prepared: 10/26/11 Analyzed: 10/27/11

Arsenic	38.2	0.50	0.055	mg/kg wet	39.9		95.7	80-120			
Barium	40.6	1.0	0.060	mg/kg wet	39.9		102	80-120			
Cadmium	38.7	0.25	0.033	mg/kg wet	39.9		97.1	80-120			
Chromium	39.1	0.50	0.012	mg/kg wet	39.9		98.1	80-120			
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120			
Selenium	38.6	1.0	0.095	mg/kg wet	39.9		96.8	80-120			
Silver	3.88	0.25	0.016	mg/kg wet	3.99		97.2	80-120			

LCS Dup (B1J2618-BSD1)

Prepared: 10/26/11 Analyzed: 10/27/11

Arsenic	38.4	0.50	0.055	mg/kg wet	39.9		96.2	80-120	0.577	20	
Barium	40.4	1.0	0.060	mg/kg wet	39.9		101	80-120	0.458	20	
Cadmium	38.6	0.25	0.033	mg/kg wet	39.9		96.8	80-120	0.325	20	
Chromium	39.0	0.50	0.012	mg/kg wet	39.9		97.7	80-120	0.379	20	
Lead	40.8	1.0	0.14	mg/kg wet	39.9		102	80-120	0.0737	20	
Selenium	38.6	1.0	0.095	mg/kg wet	39.9		96.7	80-120	0.144	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2618 - EPA 3050B											
LCS Dup (B1J2618-BSD1)											
						Prepared: 10/26/11	Analyzed: 10/27/11				
Silver	3.88	0.25	0.016	mg/kg wet	3.99		97.1	80-120	0.101	20	
Matrix Spike (B1J2618-MS1)											
						Source: 1105097-05	Prepared: 10/26/11 Analyzed: 10/27/11				
Arsenic	45.7	0.58	0.064	mg/kg dry	46.1	7.53	82.7	75-125			
Barium	162	1.2	0.070	mg/kg dry	46.1	124	81.2	75-125			
Cadmium	40.2	0.29	0.038	mg/kg dry	46.1	<0.29	86.8	75-125			
Chromium	60.8	0.58	0.014	mg/kg dry	46.1	19.6	89.3	75-125			
Lead	51.7	1.2	0.16	mg/kg dry	46.1	10.1	90.2	75-125			
Selenium	37.9	1.2	0.11	mg/kg dry	46.1	<1.2	81.7	75-125			
Silver	3.89	0.29	0.019	mg/kg dry	4.61	<0.29	84.2	75-125			
Matrix Spike Dup (B1J2618-MSD1)											
						Source: 1105097-05	Prepared: 10/26/11 Analyzed: 10/27/11				
Arsenic	45.7	0.58	0.064	mg/kg dry	46.1	7.53	82.7	75-125	0.0449	20	
Barium	163	1.2	0.070	mg/kg dry	46.1	124	85.5	75-125	1.20	20	
Cadmium	39.9	0.29	0.038	mg/kg dry	46.1	<0.29	86.3	75-125	0.601	20	
Chromium	60.1	0.58	0.014	mg/kg dry	46.1	19.6	87.9	75-125	1.15	20	
Lead	49.8	1.2	0.16	mg/kg dry	46.1	10.1	86.1	75-125	3.76	20	
Selenium	38.1	1.2	0.11	mg/kg dry	46.1	<1.2	82.2	75-125	0.549	20	
Silver	3.84	0.29	0.019	mg/kg dry	4.61	<0.29	83.3	75-125	1.22	20	
Batch B1J2713 - EPA 245.1/7470A Digestion											
Blank (B1J2713-BLK1)											
						Prepared: 10/27/11	Analyzed: 10/28/11				
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1J2713-BS1)											
						Prepared: 10/27/11	Analyzed: 10/28/11				
Mercury	0.00177	0.00020	0.000037	mg/L	0.00200		88.5	80-120			
LCS Dup (B1J2713-BSD1)											
						Prepared: 10/27/11	Analyzed: 10/28/11				
Mercury	0.00189	0.00020	0.000037	mg/L	0.00200		94.5	80-120	6.56	20	
Matrix Spike (B1J2713-MS1)											
						Source: 1105127-07	Prepared: 10/27/11 Analyzed: 10/28/11				
Mercury	0.00180	0.00020	0.000037	mg/L	0.00200	<0.00020	90.0	75-125			
Matrix Spike Dup (B1J2713-MSD1)											
						Source: 1105127-07	Prepared: 10/27/11 Analyzed: 10/28/11				
Mercury	0.00182	0.00020	0.000037	mg/L	0.00200	<0.00020	91.0	75-125	1.10	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2605 - EPA 3545 ASE Extraction											
Blank (B1J2605-BLK1)											
						Prepared: 10/26/11 Analyzed: 10/27/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0627			mg/kg wet	0.0667		94.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0630			mg/kg wet	0.0667		94.5	60.9-138			
LCS (B1J2605-BS1)											
						Prepared: 10/26/11 Analyzed: 10/27/11					
Aroclor 1260	0.338	0.20	0.0059	mg/kg wet	0.333		102	70-130			
Surrogate: Decachlorobiphenyl	0.0617			mg/kg wet	0.0667		92.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0617			mg/kg wet	0.0667		92.5	60.9-138			
Matrix Spike (B1J2605-MS1)											
						Source: 1105080-06 Prepared: 10/26/11 Analyzed: 10/29/11					
Aroclor 1260	0.306	0.20	0.0060	mg/kg dry	0.344	<0.20	88.8	70-130			
Surrogate: Decachlorobiphenyl	0.0530			mg/kg dry	0.0689		77.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0606			mg/kg dry	0.0689		88.0	60.9-138			
Matrix Spike Dup (B1J2605-MSD1)											
						Source: 1105080-06 Prepared: 10/26/11 Analyzed: 10/29/11					
Aroclor 1260	0.313	0.20	0.0060	mg/kg dry	0.344	<0.20	91.0	70-130	2.38	17.2	
Surrogate: Decachlorobiphenyl	0.0544			mg/kg dry	0.0688		79.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0585			mg/kg dry	0.0688		85.0	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J2808 - General Preparation												
Duplicate (B1J2808-DUP1)							Source: 1105127-01					Prepared & Analyzed: 10/28/11
% Solids	96.0			%		96.0			0.00	20		
Duplicate (B1J2808-DUP2)							Source: 1105132-05					Prepared & Analyzed: 10/28/11
% Solids	94.0			%		94.0			0.00	20		
Duplicate (B1J2808-DUP3)							Source: 1105221-01					Prepared & Analyzed: 10/28/11
% Solids	93.0			%		94.0			1.07	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2604 - EPA 3545 ASE Extraction

Blank (B1J2604-BLK1)

Prepared: 10/26/11 Analyzed: 10/27/11

4,4'-DDD	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDE	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDT	< 0.040	0.040	0.0020	mg/kg wet							
Aldrin	< 0.040	0.040	0.0021	mg/kg wet							
alpha-BHC	< 0.040	0.040	0.0020	mg/kg wet							
alpha-Chlordane	< 0.040	0.040	0.0020	mg/kg wet							
beta-BHC	< 0.040	0.040	0.0022	mg/kg wet							
delta-BHC	< 0.040	0.040	0.0020	mg/kg wet							
Dieldrin	< 0.040	0.040	0.0020	mg/kg wet							
Endosulfan I	< 0.040	0.040	0.0022	mg/kg wet							
Endosulfan II	< 0.040	0.040	0.0021	mg/kg wet							
Endosulfan sulfate	< 0.040	0.040	0.0021	mg/kg wet							
Endrin	< 0.040	0.040	0.0020	mg/kg wet							
Endrin aldehyde	< 0.040	0.040	0.0014	mg/kg wet							
Endrin ketone	< 0.040	0.040	0.0021	mg/kg wet							
gamma-BHC (Lindane)	< 0.040	0.040	0.0021	mg/kg wet							
gamma-Chlordane	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor epoxide	< 0.040	0.040	0.0020	mg/kg wet							
Methoxychlor	< 0.040	0.040	0.0021	mg/kg wet							
Toxaphene	< 0.080	0.080	0.016	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0683			mg/kg wet	0.0667		102	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0670			mg/kg wet	0.0667		100	65.2-135			

LCS (B1J2604-BS1)

Prepared: 10/26/11 Analyzed: 10/27/11

4,4'-DDD	0.0800	0.040	0.0020	mg/kg wet	0.0833		96.0	70-130			
4,4'-DDE	0.0797	0.040	0.0020	mg/kg wet	0.0833		95.6	70-130			
4,4'-DDT	0.0800	0.040	0.0020	mg/kg wet	0.0833		96.0	70-130			
Aldrin	0.0797	0.040	0.0021	mg/kg wet	0.0833		95.6	70-130			
alpha-BHC	0.0803	0.040	0.0020	mg/kg wet	0.0833		96.4	70-130			
alpha-Chlordane	0.0817	0.040	0.0020	mg/kg wet	0.0833		98.0	70-130			
beta-BHC	0.0790	0.040	0.0022	mg/kg wet	0.0833		94.8	70-130			
delta-BHC	0.0793	0.040	0.0020	mg/kg wet	0.0833		95.2	70-130			
Dieldrin	0.0797	0.040	0.0020	mg/kg wet	0.0833		95.6	70-130			
Endosulfan I	0.0790	0.040	0.0022	mg/kg wet	0.0833		94.8	70-130			
Endosulfan II	0.0790	0.040	0.0021	mg/kg wet	0.0833		94.8	70-130			
Endosulfan sulfate	0.0783	0.040	0.0021	mg/kg wet	0.0833		94.0	70-130			
Endrin	0.0820	0.040	0.0020	mg/kg wet	0.0833		98.4	70-130			
Endrin aldehyde	0.0853	0.040	0.0014	mg/kg wet	0.0833		102	70-130			
Endrin ketone	0.0790	0.040	0.0021	mg/kg wet	0.0833		94.8	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2604 - EPA 3545 ASE Extraction

LCS (B1J2604-BS1)

Prepared: 10/26/11 Analyzed: 10/27/11

gamma-BHC (Lindane)	0.0807	0.040	0.0021	mg/kg wet	0.0833		96.8	70-130			
gamma-Chlordane	0.0793	0.040	0.0021	mg/kg wet	0.0833		95.2	70-130			
Heptachlor	0.0787	0.040	0.0021	mg/kg wet	0.0833		94.4	70-130			
Heptachlor epoxide	0.0803	0.040	0.0020	mg/kg wet	0.0833		96.4	70-130			
Methoxychlor	0.0777	0.040	0.0021	mg/kg wet	0.0833		93.2	70-130			
Surrogate: Decachlorobiphenyl	0.0663			mg/kg wet	0.0667		99.5	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0653			mg/kg wet	0.0667		98.0	65.2-135			

Matrix Spike (B1J2604-MS1)

Source: 1105132-01

Prepared: 10/26/11 Analyzed: 10/29/11

4,4'-DDD	0.112	0.056	0.0028	mg/kg dry	0.118	<0.056	94.8	70-130			
4,4'-DDE	0.130	0.056	0.0028	mg/kg dry	0.118	<0.056	110	70-130			
4,4'-DDT	0.298	0.056	0.0028	mg/kg dry	0.118	<0.056	253	70-130			QM-05
Aldrin	0.118	0.056	0.0030	mg/kg dry	0.118	<0.056	100	70-130			
alpha-BHC	0.122	0.056	0.0028	mg/kg dry	0.118	<0.056	103	70-130			
alpha-Chlordane	0.117	0.056	0.0028	mg/kg dry	0.118	<0.056	99.2	70-130			
beta-BHC	0.114	0.056	0.0031	mg/kg dry	0.118	<0.056	96.8	70-130			
delta-BHC	0.103	0.056	0.0028	mg/kg dry	0.118	<0.056	87.6	70-130			
Dieldrin	0.129	0.056	0.0028	mg/kg dry	0.118	<0.056	110	70-130			
Endosulfan I	0.113	0.056	0.0031	mg/kg dry	0.118	<0.056	96.0	70-130			
Endosulfan II	0.109	0.056	0.0030	mg/kg dry	0.118	<0.056	92.4	70-130			
Endosulfan sulfate	0.132	0.056	0.0030	mg/kg dry	0.118	<0.056	112	70-130			
Endrin	0.120	0.056	0.0028	mg/kg dry	0.118	<0.056	102	70-130			
Endrin aldehyde	0.153	0.056	0.0020	mg/kg dry	0.118	<0.056	130	70-130			
Endrin ketone	0.109	0.056	0.0030	mg/kg dry	0.118	<0.056	92.8	70-130			
gamma-BHC (Lindane)	0.122	0.056	0.0030	mg/kg dry	0.118	<0.056	103	70-130			
gamma-Chlordane	0.119	0.056	0.0030	mg/kg dry	0.118	<0.056	101	70-130			
Heptachlor	0.116	0.056	0.0030	mg/kg dry	0.118	<0.056	98.4	70-130			
Heptachlor epoxide	0.130	0.056	0.0028	mg/kg dry	0.118	<0.056	110	70-130			
Methoxychlor	0.111	0.056	0.0030	mg/kg dry	0.118	<0.056	94.0	70-130			
Surrogate: Decachlorobiphenyl	0.0909			mg/kg dry	0.0942		96.5	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.102			mg/kg dry	0.0942		108	65.2-135			

Matrix Spike Dup (B1J2604-MSD1)

Source: 1105132-01

Prepared: 10/26/11 Analyzed: 10/29/11

4,4'-DDD	0.118	0.056	0.0028	mg/kg dry	0.118	<0.056	100	70-130	5.80	17.3	
4,4'-DDE	0.137	0.056	0.0028	mg/kg dry	0.118	<0.056	116	70-130	5.01	18.9	
4,4'-DDT	0.315	0.056	0.0028	mg/kg dry	0.118	<0.056	267	70-130	5.45	37.6	QM-05
Aldrin	0.128	0.056	0.0030	mg/kg dry	0.118	<0.056	108	70-130	7.73	26.6	
alpha-BHC	0.132	0.056	0.0028	mg/kg dry	0.118	<0.056	112	70-130	8.60	27.3	
alpha-Chlordane	0.127	0.056	0.0028	mg/kg dry	0.118	<0.056	108	70-130	8.19	17.2	
beta-BHC	0.125	0.056	0.0031	mg/kg dry	0.118	<0.056	106	70-130	9.14	24.7	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2604 - EPA 3545 ASE Extraction											
Matrix Spike Dup (B1J2604-MSD1)		Source: 1105132-01			Prepared: 10/26/11		Analyzed: 10/29/11				
delta-BHC	0.112	0.056	0.0028	mg/kg dry	0.118	<0.056	94.8	70-130	7.96	25.9	
Dieldrin	0.140	0.056	0.0028	mg/kg dry	0.118	<0.056	118	70-130	7.79	24.6	
Endosulfan I	0.123	0.056	0.0031	mg/kg dry	0.118	<0.056	105	70-130	8.83	18.2	
Endosulfan II	0.117	0.056	0.0030	mg/kg dry	0.118	<0.056	99.2	70-130	7.16	16.6	
Endosulfan sulfate	0.139	0.056	0.0030	mg/kg dry	0.118	<0.056	118	70-130	4.93	16.5	
Endrin	0.129	0.056	0.0028	mg/kg dry	0.118	<0.056	109	70-130	6.89	18.9	
Endrin aldehyde	0.151	0.056	0.0020	mg/kg dry	0.118	<0.056	128	70-130	1.48	17.9	
Endrin ketone	0.115	0.056	0.0030	mg/kg dry	0.118	<0.056	98.0	70-130	5.52	15.7	
gamma-BHC (Lindane)	0.131	0.056	0.0030	mg/kg dry	0.118	<0.056	111	70-130	7.17	27	
gamma-Chlordane	0.129	0.056	0.0030	mg/kg dry	0.118	<0.056	109	70-130	8.07	20	
Heptachlor	0.126	0.056	0.0030	mg/kg dry	0.118	<0.056	107	70-130	8.63	20.3	
Heptachlor epoxide	0.139	0.056	0.0028	mg/kg dry	0.118	<0.056	118	70-130	6.75	26.2	
Methoxychlor	0.117	0.056	0.0030	mg/kg dry	0.118	<0.056	99.2	70-130	5.45	20.2	
Surrogate: Decachlorobiphenyl	0.0980		mg/kg dry		0.0943		104	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.109		mg/kg dry		0.0943		116	65.2-135			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2606 - EPA 3545 ASE Extraction

Blank (B1J2606-BLK1)

Prepared & Analyzed: 10/26/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2606 - EPA 3545 ASE Extraction

Blank (B1J2606-BLK1)

Prepared & Analyzed: 10/26/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.73			mg/kg wet	6.67		71.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.50			mg/kg wet	6.67		67.5	53.9-97.9			
Surrogate: 2-Fluorophenol	3.83			mg/kg wet	6.67		57.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	3.69			mg/kg wet	6.67		55.4	48.9-100			
Surrogate: Phenol-d6	4.41			mg/kg wet	6.67		66.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.24			mg/kg wet	6.67		63.7	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2606 - EPA 3545 ASE Extraction

LCS (B1J2606-BS1)

Prepared & Analyzed: 10/26/11

1,2,4-Trichlorobenzene	4.34	0.33	0.031	mg/kg wet	6.67		65.0	59.1-87.7			
1,4-Dichlorobenzene	3.93	0.33	0.029	mg/kg wet	6.67		59.0	50.3-72.9			
2,4-Dinitrotoluene	5.12	0.33	0.035	mg/kg wet	6.67		76.8	59.8-82.2			
2-Chlorophenol	4.20	0.67	0.060	mg/kg wet	6.67		62.9	59.7-77.3			
4-Chloro-3-methylphenol	4.50	0.67	0.066	mg/kg wet	6.67		67.6	63.6-80.4			
4-Nitrophenol	4.93	0.67	0.093	mg/kg wet	6.67		73.9	57.3-84.9			
Anthracene	4.86	0.33	0.036	mg/kg wet	6.67		72.8	67.3-88			
Benzo(a)anthracene	5.22	0.33	0.041	mg/kg wet	6.67		78.2	66.5-90.5			
Benzo(a)pyrene	4.82	0.33	0.042	mg/kg wet	6.67		72.2	66.1-89.7			
Chrysene	5.38	0.33	0.044	mg/kg wet	6.67		80.6	65.5-90.5			
Fluoranthene	5.35	0.33	0.039	mg/kg wet	6.67		80.3	66.7-89.9			
Fluorene	5.59	0.33	0.035	mg/kg wet	6.67		83.9	66.2-85.6			
N-Nitrosodi-n-propylamine	4.52	0.33	0.033	mg/kg wet	6.67		67.9	59.4-78			
Pentachlorophenol	4.24	0.67	0.078	mg/kg wet	6.67		63.6	46.7-83.2			
Phenanthrene	4.88	0.33	0.036	mg/kg wet	6.67		73.3	67.5-87.9			
Phenol	4.17	0.67	0.069	mg/kg wet	6.67		62.5	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.40			mg/kg wet	6.67		80.9	53-107			
Surrogate: 2-Fluorobiphenyl	4.90			mg/kg wet	6.67		73.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.25			mg/kg wet	6.67		63.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.31			mg/kg wet	6.67		64.7	48.9-100			
Surrogate: Phenol-d6	4.72			mg/kg wet	6.67		70.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.74			mg/kg wet	6.67		71.1	51-99.6			

Matrix Spike (B1J2606-MS1)

Source: 1105127-03

Prepared & Analyzed: 10/26/11

1,2,4-Trichlorobenzene	5.61	0.40	0.038	mg/kg dry	8.20	<0.40	68.4	44.8-97.9			
1,4-Dichlorobenzene	5.18	0.40	0.035	mg/kg dry	8.20	<0.40	63.2	42.3-77.9			
2,4-Dinitrotoluene	6.10	0.40	0.043	mg/kg dry	8.20	<0.40	74.4	57.3-86.6			
2-Chlorophenol	5.87	0.82	0.073	mg/kg dry	8.20	<0.82	71.6	43.3-93.2			
4-Chloro-3-methylphenol	6.38	0.82	0.080	mg/kg dry	8.20	<0.82	77.7	47.1-97.6			
4-Nitrophenol	6.69	0.82	0.11	mg/kg dry	8.20	<0.82	81.6	49.3-96.2			
Anthracene	7.32	0.40	0.044	mg/kg dry	8.20	<0.40	86.7	67.5-93.1			
Benzo(a)anthracene	6.92	0.40	0.050	mg/kg dry	8.20	<0.40	79.8	59.8-95.7			
Benzo(a)pyrene	6.99	0.40	0.051	mg/kg dry	8.20	<0.40	81.9	59.8-92.7			
Chrysene	7.00	0.40	0.054	mg/kg dry	8.20	<0.40	81.1	62.5-94.6			
Fluoranthene	7.36	0.40	0.048	mg/kg dry	8.20	0.828	79.7	61.3-92.8			
Fluorene	6.56	0.40	0.043	mg/kg dry	8.20	<0.40	78.8	62.8-92.6			
N-Nitrosodi-n-propylamine	5.80	0.40	0.040	mg/kg dry	8.20	<0.40	70.7	46.9-89.9			
Pentachlorophenol	6.67	0.82	0.095	mg/kg dry	8.20	<0.82	81.3	40.1-95.1			
Phenanthrene	7.34	0.40	0.044	mg/kg dry	8.20	0.745	80.4	65.2-92.2			
Phenol	5.66	0.82	0.084	mg/kg dry	8.20	<0.82	69.0	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2606 - EPA 3545 ASE Extraction

Matrix Spike (B1J2606-MS1)

Source: 1105127-03

Prepared & Analyzed: 10/26/11

Surrogate: 2,4,6-Tribromophenol	7.44			mg/kg dry	8.20		90.7	53-107			
Surrogate: 2-Fluorobiphenyl	6.30			mg/kg dry	8.20		76.8	53.9-97.9			
Surrogate: 2-Fluorophenol	6.16			mg/kg dry	8.20		75.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.54			mg/kg dry	8.20		67.5	48.9-100			
Surrogate: Phenol-d6	6.31			mg/kg dry	8.20		77.0	50.4-99.6			
Surrogate: Terphenyl-d14	5.96			mg/kg dry	8.20		72.6	51-99.6			

Matrix Spike Dup (B1J2606-MSD1)

Source: 1105127-03

Prepared & Analyzed: 10/26/11

1,2,4-Trichlorobenzene	5.48	0.40	0.038	mg/kg dry	8.28	<0.40	66.2	44.8-97.9	2.27	19.6	
1,4-Dichlorobenzene	5.10	0.40	0.035	mg/kg dry	8.28	<0.40	61.6	42.3-77.9	1.52	22.4	
2,4-Dinitrotoluene	6.21	0.40	0.043	mg/kg dry	8.28	<0.40	75.0	57.3-86.6	1.69	19.5	
2-Chlorophenol	5.79	0.82	0.073	mg/kg dry	8.28	<0.82	69.9	43.3-93.2	1.42	23.7	
4-Chloro-3-methylphenol	6.31	0.82	0.080	mg/kg dry	8.28	<0.82	76.2	47.1-97.6	1.10	18.3	
4-Nitrophenol	6.82	0.82	0.11	mg/kg dry	8.28	<0.82	82.4	49.3-96.2	1.93	20.4	
Anthracene	7.26	0.40	0.044	mg/kg dry	8.28	<0.40	85.2	67.5-93.1	0.773	19.9	
Benzo(a)anthracene	6.96	0.40	0.050	mg/kg dry	8.28	<0.40	79.5	59.8-95.7	0.551	23.4	
Benzo(a)pyrene	7.03	0.40	0.051	mg/kg dry	8.28	<0.40	81.7	59.8-92.7	0.674	21.1	
Chrysene	7.13	0.40	0.054	mg/kg dry	8.28	<0.40	81.9	62.5-94.6	1.82	24.8	
Fluoranthene	7.23	0.40	0.048	mg/kg dry	8.28	0.828	77.3	61.3-92.8	1.81	21.8	
Fluorene	6.63	0.40	0.043	mg/kg dry	8.28	<0.40	79.0	62.8-92.6	1.11	17.6	
N-Nitrosodi-n-propylamine	5.77	0.40	0.040	mg/kg dry	8.28	<0.40	69.7	46.9-89.9	0.547	18.9	
Pentachlorophenol	6.61	0.82	0.095	mg/kg dry	8.28	<0.82	79.9	40.1-95.1	0.768	19.7	
Phenanthrene	7.20	0.40	0.044	mg/kg dry	8.28	0.745	77.9	65.2-92.2	1.98	20.5	
Phenol	5.63	0.82	0.084	mg/kg dry	8.28	<0.82	68.1	44.7-91	0.419	17.9	
Surrogate: 2,4,6-Tribromophenol	7.36			mg/kg dry	8.28		88.9	53-107			
Surrogate: 2-Fluorobiphenyl	6.17			mg/kg dry	8.28		74.5	53.9-97.9			
Surrogate: 2-Fluorophenol	5.85			mg/kg dry	8.28		70.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.38			mg/kg dry	8.28		65.0	48.9-100			
Surrogate: Phenol-d6	6.24			mg/kg dry	8.28		75.4	50.4-99.6			
Surrogate: Terphenyl-d14	6.06			mg/kg dry	8.28		73.2	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2441 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2441-BLK1)

Prepared & Analyzed: 10/24/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	0.403	2.0	0.19	mg/kg wet							B-02, J
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2441 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2441-BLK1)

Prepared & Analyzed: 10/24/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	0.303	2.0	0.12	mg/kg wet							B-02, J
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	54.0			ug/L	50.0		108	80-124			
Surrogate: Dibromofluoromethane	47.1			ug/L	50.0		94.3	77.1-123			
Surrogate: Toluene-d8	48.4			ug/L	50.0		96.8	78.1-125			

LCS (B1J2441-BS1)

Prepared & Analyzed: 10/24/11

1,1,2,2-Tetrachloroethane	40.7			ug/L	50.0		81.4	75-120			
1,1-Dichloroethane	48.0			ug/L	50.0		96.0	79.6-120			
1,1-Dichloroethene	45.8			ug/L	50.0		91.6	78.3-120			
1,3,5-Trimethylbenzene	44.5			ug/L	50.0		89.1	77-120			
1,4-Dichlorobenzene	46.4			ug/L	50.0		92.8	75-125			
2-Chlorotoluene	47.6			ug/L	50.0		95.1	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2441 - EPA 5035 Soil (Purge and Trap)

LCS (B1J2441-BS1)

Prepared & Analyzed: 10/24/11

Benzene	43.6			ug/L	50.0		87.2	80-120			
Bromoform	55.9			ug/L	50.0		112	80-120			
Chlorobenzene	52.0			ug/L	50.0		104	80-120			
Chloroform	48.5			ug/L	50.0		97.0	80-120			
Ethylbenzene	58.2			ug/L	50.0		116	80-120			
n-Butylbenzene	48.5			ug/L	50.0		97.0	75-125			
n-Propylbenzene	48.5			ug/L	50.0		96.9	75-120			
Toluene	54.3			ug/L	50.0		109	80-120			
Trichloroethene	53.0			ug/L	50.0		106	80-120			
Vinyl chloride	48.4			ug/L	50.0		96.8	75-130			
Surrogate: 4-Bromofluorobenzene	54.7			ug/L	50.0		109	80-124			
Surrogate: Dibromofluoromethane	47.5			ug/L	50.0		94.9	77.1-123			
Surrogate: Toluene-d8	50.5			ug/L	50.0		101	78.1-125			

Matrix Spike (B1J2441-MS1)

Source: 1105079-01

Prepared & Analyzed: 10/24/11

1,1,2,2-Tetrachloroethane	43.2			ug/L	50.0	<	86.4	75-125			
1,1-Dichloroethane	51.3			ug/L	50.0	<	103	78.7-123			
1,1-Dichloroethene	49.3			ug/L	50.0	<	98.7	75.8-121			
1,3,5-Trimethylbenzene	44.1			ug/L	50.0	<	88.3	75-120			
1,4-Dichlorobenzene	47.6			ug/L	50.0	<	95.2	75-125			
2-Chlorotoluene	50.6			ug/L	50.0	<	101	75-120			
Benzene	42.6			ug/L	50.0	<	85.2	80-120			
Bromoform	58.0			ug/L	50.0	<	116	80-120			
Chlorobenzene	54.2			ug/L	50.0	<	108	80-120			
Chloroform	49.9			ug/L	50.0	<	99.8	80-120			
Ethylbenzene	60.7			ug/L	50.0	<	121	80-120			M1
n-Butylbenzene	47.5			ug/L	50.0	<	95.1	73.8-125			
n-Propylbenzene	51.2			ug/L	50.0	<	102	75-120			
Toluene	55.9			ug/L	50.0	<	112	80-120			
Trichloroethene	54.6			ug/L	50.0	<	109	80-120			
Vinyl chloride	45.6			ug/L	50.0	<	91.1	74.8-130			
Surrogate: 4-Bromofluorobenzene	54.4			ug/L	50.0		109	80-124			
Surrogate: Dibromofluoromethane	48.3			ug/L	50.0		96.6	77.1-123			
Surrogate: Toluene-d8	50.3			ug/L	50.0		101	78.1-125			

Matrix Spike Dup (B1J2441-MSD1)

Source: 1105079-01

Prepared & Analyzed: 10/24/11

1,1,2,2-Tetrachloroethane	42.7			ug/L	50.0	<	85.4	75-125	1.24	20	
1,1-Dichloroethane	49.0			ug/L	50.0	<	97.9	78.7-123	4.78	20	
1,1-Dichloroethene	48.6			ug/L	50.0	<	97.1	75.8-121	1.60	20	
1,3,5-Trimethylbenzene	43.5			ug/L	50.0	<	86.9	75-120	1.55	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2441 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1J2441-MSD1)		Source: 1105079-01			Prepared & Analyzed: 10/24/11						
1,4-Dichlorobenzene	46.6			ug/L	50.0	<	93.3	75-125	2.05	20	
2-Chlorotoluene	50.4			ug/L	50.0	<	101	75-120	0.412	20	
Benzene	42.6			ug/L	50.0	<	85.3	80-120	0.0699	20	
Bromoform	57.2			ug/L	50.0	<	114	80-120	1.47	20	
Chlorobenzene	54.1			ug/L	50.0	<	108	80-120	0.200	20	
Chloroform	49.5			ug/L	50.0	<	99.0	80-120	0.771	20	
Ethylbenzene	60.4			ug/L	50.0	<	121	80-120	0.536	20	M1
n-Butylbenzene	47.5			ug/L	50.0	<	95.0	73.8-125	0.0457	20	
n-Propylbenzene	50.5			ug/L	50.0	<	101	75-120	1.35	20	
Toluene	55.6			ug/L	50.0	<	111	80-120	0.596	20	
Trichloroethene	53.7			ug/L	50.0	<	107	80-120	1.61	20	
Vinyl chloride	44.7			ug/L	50.0	<	89.4	74.8-130	1.90	20	
Surrogate: 4-Bromofluorobenzene	54.6			ug/L	50.0		109	80-124			
Surrogate: Dibromofluoromethane	46.9			ug/L	50.0		93.9	77.1-123			
Surrogate: Toluene-d8	48.7			ug/L	50.0		97.4	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105132 Date Reported: 11/01/11
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Notes and Definitions

V8	Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
V7	Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
T-1	MDH does not offer certification for this parameter.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
B-02	Target analyte was present in the method blank between the MDL and RL.
B-01	Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

BARR
 Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1105732

Project Number: 23-19 1022 4&RI 820
 Project Name: umore east - Ste Wde
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: No 37393

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mav/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	OC	VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (lared MeOH) #1	ORO, BTEX (lared MeOH) #1	DRO (lared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	OC Preserved	PCBs	Total Number Of Containers	COC	of				
						Water	Soil																								
1. UPC G-1	-	-	-	10/21/11	8:30	X	X										X	X	X	X	X	X		5	Analyze VOC, PCB, metal SVOCs. OC-Pres. vials. #7 & 8	JME	1 of 1				
2. UPC G-2	-	-	-	↓	10:00	X	X										X	X	X	X	X	X		5				Analyze metals #2 & 4	Project QC Contact: AAN	Sampled by: AKB/ADW	
3. M-1	-	-	-	↓	10:15	X	X												X	X			1	Laboratory: Legend							
4. BG-SS1	.5	.5	st	↓	11:00	X	X												X	X	X		2		Analyze PCB, metal SVOCs						
5. CG-SS1	.5	.5	st	↓	11:10	X	X												X	X	X		2								
6. CG-SS2	.5	.5	st	↓	12:45	X	X												X	X	X		2								
7. CG-SS3	.5	.5	st	↓	13:00	X	X												X	X	X		2								
8. FB-1	-	-	-	10/21/11	8:30	X			X	X													1					Analyze PCB, metal			
9. TB-1	-	-	-	10/21/11	-				X								X						1	TRIP BLANK							
10.																															

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Pull List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Pull List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOD, Phenols, Ammonia Nitrogen, TRN
 DO - 38°C

Relinquished By: [Signature] On Ice? N Date: 10/21/11 Time: _____
 Received by: _____ Date: _____ Time: _____
 Relinquished By: _____ On Ice? Y N Date: _____ Time: _____
 Received by: [Signature: Kelly Greber] Date: 10/21/11 Time: 13:30
 Samples Shipped VIA: Air Freight Federal Express Sampler Air Bill Number: _____
 Other: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

HER1057320309 Chain of Custody Form 2009 RLE Rev. 08/10/08

Legend Technical Services, Inc.
 The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

November 02, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105172
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/25/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "T-LE".

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
D3-TT5_0.5-0.5	1105172-01	Soil	10/21/11 13:00	10/25/11 10:45
D3-TT7_0.5-0.5	1105172-02	Soil	10/21/11 14:00	10/25/11 10:45
D3-TT8_0.5-0.5	1105172-03	Soil	10/21/11 14:30	10/25/11 10:45
D3-TT4_0.5-0.5	1105172-04	Soil	10/21/11 15:00	10/25/11 10:45

Shipping Container Information

Default Cooler Temperature (°C):

Received on ice: Yes Temperature blank was not present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

The recovery for mercury in the MS/MSD samples for batch B1J2615 was outside of the laboratory control limits due to the sample concentration being disproportionate to the spike amount. The LCS/LCSD samples, and %RPDs were within limits. The MS/MSD source sample was not associated to this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT5_0.5-0.5 (1105172-01) Soil Sampled: 10/21/11 13:00 Received: 10/25/11 10:45										
Arsenic	4.5	0.55	0.060	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	91	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	13	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	12	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.022	mg/kg dry	1	B1J2615	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
D3-TT7_0.5-0.5 (1105172-02) Soil Sampled: 10/21/11 14:00 Received: 10/25/11 10:45										
Arsenic	3.0	0.53	0.058	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	39	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	11	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	5.7	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.090	0.090	0.017	mg/kg dry	1	B1J2615	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
D3-TT8_0.5-0.5 (1105172-03) Soil Sampled: 10/21/11 14:30 Received: 10/25/11 10:45										
Arsenic	7.7	0.57	0.063	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	110	1.1	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	20	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	14	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1J2615	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
D3-TT4_0.5-0.5 (1105172-04) Soil Sampled: 10/21/11 15:00 Received: 10/25/11 10:45										
Arsenic	3.8	0.55	0.060	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	52	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	13	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.1	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J2615	10/26/11	10/27/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT5_0.5-0.5 (1105172-01) Soil Sampled: 10/21/11 13:00 Received: 10/25/11 10:45										
% Solids	86			%	1	B1J3107	10/31/11	10/31/11	% calculation	
D3-TT7_0.5-0.5 (1105172-02) Soil Sampled: 10/21/11 14:00 Received: 10/25/11 10:45										
% Solids	95			%	1	B1J3107	10/31/11	10/31/11	% calculation	
D3-TT8_0.5-0.5 (1105172-03) Soil Sampled: 10/21/11 14:30 Received: 10/25/11 10:45										
% Solids	87			%	1	B1J3107	10/31/11	10/31/11	% calculation	
D3-TT4_0.5-0.5 (1105172-04) Soil Sampled: 10/21/11 15:00 Received: 10/25/11 10:45										
% Solids	91			%	1	B1J3107	10/31/11	10/31/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT5_0.5-0.5 (1105172-01) Soil Sampled: 10/21/11 13:00 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT5_0.5-0.5 (1105172-01) Soil Sampled: 10/21/11 13:00 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.056	0.38	0.056	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
Benzoic acid	0.47	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	93.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT7_0.5-0.5 (1105172-02) Soil Sampled: 10/21/11 14:00 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.079	0.71	0.079	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.063	0.71	0.063	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.71	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.71	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.71	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT7_0.5-0.5 (1105172-02) Soil Sampled: 10/21/11 14:00 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
Benzoic acid	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	0.12	0.35	0.051	mg/kg dry	1	"	"	"	"	J
Butyl benzyl phthalate	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	85.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	73.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	61.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT8_0.5-0.5 (1105172-03) Soil Sampled: 10/21/11 14:30 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.77	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.086	0.77	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.092	0.77	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.069	0.77	0.069	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.098	0.77	0.098	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.77	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.77	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.076	0.77	0.076	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.77	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT8_0.5-0.5 (1105172-03) Soil Sampled: 10/21/11 14:30 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.046	0.38	0.046	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.090	0.77	0.090	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.079	0.77	0.079	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	90.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	74.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT4_0.5-0.5 (1105172-04) Soil Sampled: 10/21/11 15:00 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
D3-TT4_0.5-0.5 (1105172-04) Soil Sampled: 10/21/11 15:00 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2615 - EPA 7471A											
Blank (B1J2615-BLK1) Prepared: 10/26/11 Analyzed: 10/28/11											
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J2615-BS1) Prepared: 10/26/11 Analyzed: 10/28/11											
Mercury	0.173	0.10	0.019	mg/kg wet	0.200		86.5	80-120			
LCS Dup (B1J2615-BSD1) Prepared: 10/26/11 Analyzed: 10/28/11											
Mercury	0.197	0.10	0.019	mg/kg wet	0.200		98.5	80-120	13.0	20	
Matrix Spike (B1J2615-MS1) Source: 1105127-01 Prepared: 10/26/11 Analyzed: 10/28/11											
Mercury	14.7	2.6	0.49	mg/kg dry	0.204	14.6	47.0	75-125			M3
Matrix Spike Dup (B1J2615-MSD1) Source: 1105127-01 Prepared: 10/26/11 Analyzed: 10/28/11											
Mercury	13.5	2.4	0.45	mg/kg dry	0.191	14.6	NR	75-125	8.46	20	M3
Batch B1J2618 - EPA 3050B											
Blank (B1J2618-BLK1) Prepared: 10/26/11 Analyzed: 10/27/11											
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1J2618-BS1) Prepared: 10/26/11 Analyzed: 10/27/11											
Arsenic	38.2	0.50	0.055	mg/kg wet	39.9		95.7	80-120			
Barium	40.6	1.0	0.060	mg/kg wet	39.9		102	80-120			
Cadmium	38.7	0.25	0.033	mg/kg wet	39.9		97.1	80-120			
Chromium	39.1	0.50	0.012	mg/kg wet	39.9		98.1	80-120			
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120			
Selenium	38.6	1.0	0.095	mg/kg wet	39.9		96.8	80-120			
Silver	3.88	0.25	0.016	mg/kg wet	3.99		97.2	80-120			
LCS Dup (B1J2618-BSD1) Prepared: 10/26/11 Analyzed: 10/27/11											
Arsenic	38.4	0.50	0.055	mg/kg wet	39.9		96.2	80-120	0.577	20	
Barium	40.4	1.0	0.060	mg/kg wet	39.9		101	80-120	0.458	20	
Cadmium	38.6	0.25	0.033	mg/kg wet	39.9		96.8	80-120	0.325	20	
Chromium	39.0	0.50	0.012	mg/kg wet	39.9		97.7	80-120	0.379	20	
Lead	40.8	1.0	0.14	mg/kg wet	39.9		102	80-120	0.0737	20	
Selenium	38.6	1.0	0.095	mg/kg wet	39.9		96.7	80-120	0.144	20	
Silver	3.88	0.25	0.016	mg/kg wet	3.99		97.1	80-120	0.101	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2618 - EPA 3050B											
Matrix Spike (B1J2618-MS1)		Source: 1105097-05			Prepared: 10/26/11		Analyzed: 10/27/11				
Arsenic	45.7	0.58	0.064	mg/kg dry	46.1	7.53	82.7	75-125			
Barium	162	1.2	0.070	mg/kg dry	46.1	124	81.2	75-125			
Cadmium	40.2	0.29	0.038	mg/kg dry	46.1	<0.29	86.8	75-125			
Chromium	60.8	0.58	0.014	mg/kg dry	46.1	19.6	89.3	75-125			
Lead	51.7	1.2	0.16	mg/kg dry	46.1	10.1	90.2	75-125			
Selenium	37.9	1.2	0.11	mg/kg dry	46.1	<1.2	81.7	75-125			
Silver	3.89	0.29	0.019	mg/kg dry	4.61	<0.29	84.2	75-125			
Matrix Spike Dup (B1J2618-MSD1)											
Matrix Spike Dup (B1J2618-MSD1)		Source: 1105097-05			Prepared: 10/26/11		Analyzed: 10/27/11				
Arsenic	45.7	0.58	0.064	mg/kg dry	46.1	7.53	82.7	75-125	0.0449	20	
Barium	163	1.2	0.070	mg/kg dry	46.1	124	85.5	75-125	1.20	20	
Cadmium	39.9	0.29	0.038	mg/kg dry	46.1	<0.29	86.3	75-125	0.601	20	
Chromium	60.1	0.58	0.014	mg/kg dry	46.1	19.6	87.9	75-125	1.15	20	
Lead	49.8	1.2	0.16	mg/kg dry	46.1	10.1	86.1	75-125	3.76	20	
Selenium	38.1	1.2	0.11	mg/kg dry	46.1	<1.2	82.2	75-125	0.549	20	
Silver	3.84	0.29	0.019	mg/kg dry	4.61	<0.29	83.3	75-125	1.22	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J3107 - General Preparation												
Duplicate (B1J3107-DUP1)							Source: 1105173-06					Prepared & Analyzed: 10/31/11
% Solids	89.0			%		90.0			1.12	20		
Duplicate (B1J3107-DUP2)							Source: 1105270-02					Prepared & Analyzed: 10/31/11
% Solids	95.0			%		95.0			0.00	20		
Duplicate (B1J3107-DUP3)							Source: 1105270-07					Prepared & Analyzed: 10/31/11
% Solids	98.0			%		98.0			0.00	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Blank (B1K0103-BLK1)

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Blank (B1K0103-BLK1)

Prepared & Analyzed: 11/01/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.04			mg/kg wet	6.67		75.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.36			mg/kg wet	6.67		65.4	53.9-97.9			
Surrogate: 2-Fluorophenol	4.23			mg/kg wet	6.67		63.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.33			mg/kg wet	6.67		65.0	48.9-100			
Surrogate: Phenol-d6	4.75			mg/kg wet	6.67		71.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.44			mg/kg wet	6.67		66.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

LCS (B1K0103-BS1)

Prepared: 11/01/11 Analyzed: 02/02/12

1,2,4-Trichlorobenzene	4.60	0.33	0.031	mg/kg wet	6.67		69.0	59.1-87.7			
1,4-Dichlorobenzene	4.02	0.33	0.029	mg/kg wet	6.67		60.2	50.3-72.9			
2,4-Dinitrotoluene	4.89	0.33	0.035	mg/kg wet	6.67		73.4	59.8-82.2			
2-Chlorophenol	4.50	0.67	0.060	mg/kg wet	6.67		67.5	59.7-77.3			
4-Chloro-3-methylphenol	4.92	0.67	0.066	mg/kg wet	6.67		73.7	63.6-80.4			
4-Nitrophenol	5.47	0.67	0.093	mg/kg wet	6.67		82.0	57.3-84.9			
Anthracene	4.75	0.33	0.036	mg/kg wet	6.67		71.3	67.3-88			
Benzo(a)anthracene	5.09	0.33	0.041	mg/kg wet	6.67		76.3	66.5-90.5			
Benzo(a)pyrene	4.99	0.33	0.042	mg/kg wet	6.67		74.8	66.1-89.7			
Chrysene	5.29	0.33	0.044	mg/kg wet	6.67		79.4	65.5-90.5			
Fluoranthene	4.57	0.33	0.039	mg/kg wet	6.67		68.5	66.7-89.9			
Fluorene	4.59	0.33	0.035	mg/kg wet	6.67		68.8	66.2-85.6			
N-Nitrosodi-n-propylamine	4.67	0.33	0.033	mg/kg wet	6.67		70.0	59.4-78			
Pentachlorophenol	4.56	0.67	0.078	mg/kg wet	6.67		68.3	46.7-83.2			
Phenanthrene	4.85	0.33	0.036	mg/kg wet	6.67		72.8	67.5-87.9			
Phenol	4.48	0.67	0.069	mg/kg wet	6.67		67.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.02			mg/kg wet	6.67		75.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.47			mg/kg wet	6.67		67.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.22			mg/kg wet	6.67		63.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.48			mg/kg wet	6.67		67.2	48.9-100			
Surrogate: Phenol-d6	4.09			mg/kg wet	6.67		61.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.45			mg/kg wet	6.67		66.7	51-99.6			

Matrix Spike (B1K0103-MS1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	5.17	0.38	0.036	mg/kg dry	7.76	<0.38	66.6	44.8-97.9			
1,4-Dichlorobenzene	4.48	0.38	0.033	mg/kg dry	7.76	<0.38	57.8	42.3-77.9			
2,4-Dinitrotoluene	5.87	0.38	0.040	mg/kg dry	7.76	<0.38	75.7	57.3-86.6			
2-Chlorophenol	4.82	0.77	0.069	mg/kg dry	7.76	<0.77	62.1	43.3-93.2			
4-Chloro-3-methylphenol	5.64	0.77	0.076	mg/kg dry	7.76	<0.77	72.6	47.1-97.6			
4-Nitrophenol	6.50	0.77	0.11	mg/kg dry	7.76	<0.77	83.8	49.3-96.2			
Anthracene	5.94	0.38	0.041	mg/kg dry	7.76	<0.38	76.5	67.5-93.1			
Benzo(a)anthracene	6.09	0.38	0.047	mg/kg dry	7.76	<0.38	78.4	59.8-95.7			
Benzo(a)pyrene	5.94	0.38	0.048	mg/kg dry	7.76	<0.38	76.5	59.8-92.7			
Chrysene	6.48	0.38	0.051	mg/kg dry	7.76	<0.38	83.4	62.5-94.6			
Fluoranthene	5.53	0.38	0.045	mg/kg dry	7.76	<0.38	71.2	61.3-92.8			
Fluorene	5.52	0.38	0.040	mg/kg dry	7.76	<0.38	71.2	62.8-92.6			
N-Nitrosodi-n-propylamine	5.39	0.38	0.038	mg/kg dry	7.76	<0.38	69.4	46.9-89.9			
Pentachlorophenol	6.30	0.77	0.090	mg/kg dry	7.76	<0.77	81.2	40.1-95.1			
Phenanthrene	6.02	0.38	0.041	mg/kg dry	7.76	<0.38	77.5	65.2-92.2			
Phenol	4.80	0.77	0.079	mg/kg dry	7.76	<0.77	61.8	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Matrix Spike (B1K0103-MS1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

Surrogate: 2,4,6-Tribromophenol	6.77			mg/kg dry	7.76		87.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.24			mg/kg dry	7.76		67.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.94			mg/kg dry	7.76		63.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.19			mg/kg dry	7.76		66.9	48.9-100			
Surrogate: Phenol-d6	5.34			mg/kg dry	7.76		68.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.43			mg/kg dry	7.76		69.9	51-99.6			

Matrix Spike Dup (B1K0103-MSD1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	4.99	0.38	0.036	mg/kg dry	7.70	<0.38	64.9	44.8-97.9	3.39	19.6	
1,4-Dichlorobenzene	4.32	0.38	0.033	mg/kg dry	7.70	<0.38	56.1	42.3-77.9	3.70	22.4	
2,4-Dinitrotoluene	5.75	0.38	0.040	mg/kg dry	7.70	<0.38	74.7	57.3-86.6	2.03	19.5	
2-Chlorophenol	4.70	0.77	0.069	mg/kg dry	7.70	<0.77	61.1	43.3-93.2	2.44	23.7	
4-Chloro-3-methylphenol	5.42	0.77	0.076	mg/kg dry	7.70	<0.77	70.4	47.1-97.6	3.93	18.3	
4-Nitrophenol	6.48	0.77	0.11	mg/kg dry	7.70	<0.77	84.1	49.3-96.2	0.356	20.4	
Anthracene	5.80	0.38	0.041	mg/kg dry	7.70	<0.38	75.3	67.5-93.1	2.44	19.9	
Benzo(a)anthracene	5.90	0.38	0.047	mg/kg dry	7.70	<0.38	76.7	59.8-95.7	3.02	23.4	
Benzo(a)pyrene	5.74	0.38	0.048	mg/kg dry	7.70	<0.38	74.6	59.8-92.7	3.34	21.1	
Chrysene	6.33	0.38	0.051	mg/kg dry	7.70	<0.38	82.2	62.5-94.6	2.30	24.8	
Fluoranthene	5.35	0.38	0.045	mg/kg dry	7.70	<0.38	69.5	61.3-92.8	3.24	21.8	
Fluorene	5.39	0.38	0.040	mg/kg dry	7.70	<0.38	70.0	62.8-92.6	2.54	17.6	
N-Nitrosodi-n-propylamine	5.27	0.38	0.038	mg/kg dry	7.70	<0.38	68.5	46.9-89.9	2.21	18.9	
Pentachlorophenol	6.24	0.77	0.090	mg/kg dry	7.70	<0.77	81.0	40.1-95.1	0.994	19.7	
Phenanthrene	5.82	0.38	0.041	mg/kg dry	7.70	<0.38	75.6	65.2-92.2	3.35	20.5	
Phenol	4.72	0.77	0.079	mg/kg dry	7.70	<0.77	61.3	44.7-91	1.61	17.9	
Surrogate: 2,4,6-Tribromophenol	6.53			mg/kg dry	7.70		84.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.11			mg/kg dry	7.70		66.4	53.9-97.9			
Surrogate: 2-Fluorophenol	4.74			mg/kg dry	7.70		61.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.08			mg/kg dry	7.70		66.0	48.9-100			
Surrogate: Phenol-d6	5.27			mg/kg dry	7.70		68.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.27			mg/kg dry	7.70		68.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 DEF Line Project Manager: Ms. Andrea Nord	Work Order #: 1105172 Date Reported: 11/02/11
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Notes and Definitions

- T-1 MDH does not offer certification for this parameter.
- M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
BARR
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1105172

Project Number: 2319-1092.00 49R1 82D
 Project Name: UMore RI - DEF Line
 Sample Origination State: MN (use two letter postal state abbreviation)
 CDC Number: **№ 36988**

Number of Containers/Preservative		Total Number Of Containers
Water	Soil	
VOCs (HCl) #1		2
SVOCs (unpreserved) #2		
Dissolved Metals (HNO ₃)		
Total Metals (HNO ₃)		
General (unpreserved) #3		
Diesel Range Organics (HCl)		
Nutrients (H ₂ SO ₄) #4		
VOCs (Iared MeOH) #1		
GRQ, BTEX (Iared MeOH) #1		
DRO (Iared unpreserved) Metals (unpreserved)		
SVOCs (unpreserved) #2		2
SS Solids (plastic vial, unpres.)		

COC 1 of 1
 Project Manager: JME
 Project QC Contact: AAN
 Sampled by: KCB
 Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		Total Number Of Containers	Remarks
						Water	Soil	Grab	Comp. QC		
¹ D3-TT5	0.5	0.5	ft	10/21/2011	1300	X		X		2	Refr Metals, SVOCs
² D3-TT7	0.5	0.5			1400	X		X		2	
³ D3-TT8	0.5	0.5			1430	X		X		2	
⁴ D3-TT4	0.5	0.5	↓	↓	1500	X		X		2	↓
5.											
6.											
7.											
8.											
9.											
10.											

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TRN
pf/ceest

Relinquished By: Kristen S. Lyke On Ice? N Date: 10/25/11 Time: 09:00
 Relinquished By: _____ On Ice? Y Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____
 Received by: LF Date: 10/25/11 Time: 10:45
 Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____
 Air Bill Number: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Legend Technical Services, Inc.
 The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

November 07, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105173
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 10/25/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of the original report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "TRIE T L", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GC-TT5_0.5-0.5	1105173-01	Soil	10/21/11 08:00	10/25/11 10:45
GC-TT4_2-2	1105173-02	Soil	10/21/11 08:30	10/25/11 10:45
E160D-TT8_0.5-0.5	1105173-03	Soil	10/21/11 08:45	10/25/11 10:45
E160D-TT7_0.5-0.5	1105173-04	Soil	10/21/11 09:15	10/25/11 10:45
E160D-TT2A_3-3	1105173-05	Soil	10/21/11 09:30	10/25/11 10:45
E160D-TT6_0.5-0.5	1105173-06	Soil	10/21/11 10:00	10/25/11 10:45
E160D-TT5_0.5-0.5	1105173-07	Soil	10/21/11 10:30	10/25/11 10:45
E160D-TT1A_3-3	1105173-08	Soil	10/21/11 11:00	10/25/11 10:45
E160D-TT4_0.5-0.5	1105173-09	Soil	10/21/11 11:30	10/25/11 10:45
Trip Blank	1105173-10	Methanol	10/21/11 00:00	10/25/11 10:45

Shipping Container Information

Default Cooler

Temperature (°C):

Received on ice: Yes
 Received on melt water: No
 Custody seals: Yes

Temperature blank was not present
 Ambient: No

Received on ice pack: No
 Acceptable (IH/ISO only): No

Case Narrative:

Recovery for the 8270 surrogate 2,4,6-tribromophenol was below laboratory limits in sample GC-TT4_2-2 due to matrix interference.

Methylene chloride and tetrahydrofuran were detected between the MDL and RL in the 8260 batch B1J2719 BLK. Samples with methylene chloride and tetrahydrofuran detections less than or equal to 10 times the blank contamination are qualified.

This report was revised on November 7, 2011 to change the sample ID of 1105173-05 from E160D-T2A_3-3 to E160-TT2A_3-3. This report supercedes the report dated November 2, 2011.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-TT5_0.5-0.5 (1105173-01) Soil Sampled: 10/21/11 08:00 Received: 10/25/11 10:45										
Arsenic	3.8	0.52	0.057	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	57	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	12	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	8.0	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
GC-TT4_2-2 (1105173-02) Soil Sampled: 10/21/11 08:30 Received: 10/25/11 10:45										
Arsenic	13	0.56	0.061	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	100	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	0.87	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	20	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	38	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	0.17	0.11	0.021	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
E160D-TT8_0.5-0.5 (1105173-03) Soil Sampled: 10/21/11 08:45 Received: 10/25/11 10:45										
Arsenic	6.5	0.57	0.062	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	110	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	17	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
E160D-TT7_0.5-0.5 (1105173-04) Soil Sampled: 10/21/11 09:15 Received: 10/25/11 10:45										
Arsenic	6.5	0.57	0.062	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	130	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	17	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
E160D-TT2A_3-3 (1105173-05) Soil Sampled: 10/21/11 09:30 Received: 10/25/11 10:45										

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT2A_3-3 (1105173-05) Soil Sampled: 10/21/11 09:30 Received: 10/25/11 10:45										
Arsenic	5.5	0.55	0.060	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	130	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	18	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	7.8	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.093	0.093	0.018	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
E160D-TT6_0.5-0.5 (1105173-06) Soil Sampled: 10/21/11 10:00 Received: 10/25/11 10:45										
Arsenic	6.0	0.56	0.061	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	100	1.1	0.067	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	17	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	9.9	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
E160D-TT5_0.5-0.5 (1105173-07) Soil Sampled: 10/21/11 10:30 Received: 10/25/11 10:45										
Arsenic	6.3	0.55	0.061	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	120	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.036	mg/kg dry	1	"	"	"	"	
Chromium	18	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	12	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
E160D-TT1A_3-3 (1105173-08) Soil Sampled: 10/21/11 11:00 Received: 10/25/11 10:45										
Arsenic	9.1	0.58	0.064	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	130	1.2	0.069	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	22	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	11	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
E160D-TT4_0.5-0.5 (1105173-09) Soil Sampled: 10/21/11 11:30 Received: 10/25/11 10:45										
Arsenic	5.3	0.53	0.058	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT4_0.5-0.5 (1105173-09) Soil Sampled: 10/21/11 11:30 Received: 10/25/11 10:45										
Barium	130	1.1	0.063	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	16	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	9.7	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-TT5_0.5-0.5 (1105173-01) Soil Sampled: 10/21/11 08:00 Received: 10/25/11 10:45										
% Solids	96			%	1	B1J3107	10/31/11	10/31/11	% calculation	
GC-TT4_2-2 (1105173-02) Soil Sampled: 10/21/11 08:30 Received: 10/25/11 10:45										
% Solids	90			%	1	B1J3107	10/31/11	10/31/11	% calculation	
E160D-TT8_0.5-0.5 (1105173-03) Soil Sampled: 10/21/11 08:45 Received: 10/25/11 10:45										
% Solids	88			%	1	B1J3107	10/31/11	10/31/11	% calculation	
E160D-TT7_0.5-0.5 (1105173-04) Soil Sampled: 10/21/11 09:15 Received: 10/25/11 10:45										
% Solids	88			%	1	B1J3107	10/31/11	10/31/11	% calculation	
E160D-TT2A_3-3 (1105173-05) Soil Sampled: 10/21/11 09:30 Received: 10/25/11 10:45										
% Solids	91			%	1	B1J3107	10/31/11	10/31/11	% calculation	
E160D-TT6_0.5-0.5 (1105173-06) Soil Sampled: 10/21/11 10:00 Received: 10/25/11 10:45										
% Solids	90			%	1	B1J3107	10/31/11	10/31/11	% calculation	
E160D-TT5_0.5-0.5 (1105173-07) Soil Sampled: 10/21/11 10:30 Received: 10/25/11 10:45										
% Solids	86			%	1	B1J3107	10/31/11	10/31/11	% calculation	
E160D-TT1A_3-3 (1105173-08) Soil Sampled: 10/21/11 11:00 Received: 10/25/11 10:45										
% Solids	82			%	1	B1J3107	10/31/11	10/31/11	% calculation	
E160D-TT4_0.5-0.5 (1105173-09) Soil Sampled: 10/21/11 11:30 Received: 10/25/11 10:45										
% Solids	90			%	1	B1J3107	10/31/11	10/31/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-TT5_0.5-0.5 (1105173-01) Soil Sampled: 10/21/11 08:00 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-TT5_0.5-0.5 (1105173-01) Soil Sampled: 10/21/11 08:00 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-TT4_2-2 (1105173-02RE1) Soil Sampled: 10/21/11 08:30 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.093	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.099	0.37	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.15	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	0.081	0.37	0.048	mg/kg dry	1	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GC-TT4_2-2 (1105173-02RE1) Soil Sampled: 10/21/11 08:30 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	0.058	0.37	0.053	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	J
Benzoic acid	0.46	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.11	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.19	0.37	0.043	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.078	0.37	0.044	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.10	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	1.3	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	0.063	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	38.0			53-107 %		"	"	"	"	S-04
Surrogate: 2-Fluorobiphenyl	76.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	42.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	77.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	58.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT8_0.5-0.5 (1105173-03) Soil Sampled: 10/21/11 08:45 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.10	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.089	0.38	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.12	0.38	0.049	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT8_0.5-0.5 (1105173-03) Soil Sampled: 10/21/11 08:45 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.11	0.38	0.050	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.24	0.38	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.050	0.38	0.045	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.17	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	0.085	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	82.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	74.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	62.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT7_0.5-0.5 (1105173-04) Soil Sampled: 10/21/11 09:15 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.76	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.085	0.76	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.091	0.76	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.068	0.76	0.068	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.097	0.76	0.097	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.76	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.039	0.76	0.039	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.075	0.76	0.075	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.76	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.76	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.8	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT7_0.5-0.5 (1105173-04) Soil Sampled: 10/21/11 09:15 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.055	0.38	0.055	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
Benzoic acid	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.76	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Carbazole	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.055	0.38	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.057	0.38	0.044	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.38	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.089	0.76	0.089	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.76	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	91.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.6			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT2A_3-3 (1105173-05) Soil Sampled: 10/21/11 09:30 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT2A_3-3 (1105173-05) Soil Sampled: 10/21/11 09:30 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	93.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT6_0.5-0.5 (1105173-06) Soil Sampled: 10/21/11 10:00 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.050	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.061	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT6_0.5-0.5 (1105173-06) Soil Sampled: 10/21/11 10:00 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.052	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.11	0.37	0.043	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.069	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	94.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	82.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT5_0.5-0.5 (1105173-07) Soil Sampled: 10/21/11 10:30 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.043	0.38	0.042	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.21	0.38	0.044	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	0.52	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.87	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	0.72	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.95	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	0.31	0.38	0.050	mg/kg dry	1	"	"	"	"	J

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT5_0.5-0.5 (1105173-07) Soil Sampled: 10/21/11 10:30 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	0.39	0.38	0.056	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
Benzoic acid	0.47	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	0.27	0.38	0.041	mg/kg dry	1	"	"	"	"	T-1, J
Chrysene	0.91	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.10	0.38	0.050	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.12	0.38	0.038	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	1.9	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	0.24	0.38	0.041	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.36	0.38	0.047	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	0.077	0.38	0.038	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	1.7	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	1.5	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	85.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT1A_3-3 (1105173-08) Soil Sampled: 10/21/11 11:00 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
1,2-Dichlorobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.045	0.82	0.045	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.091	0.82	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.098	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.073	0.82	0.073	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.82	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.039	0.82	0.039	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	2.0	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.041	0.82	0.041	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.080	0.82	0.080	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.033	0.82	0.033	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.046	0.40	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Aniline	<0.038	0.82	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT1A_3-3 (1105173-08) Soil Sampled: 10/21/11 11:00 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.059	0.40	0.059	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
Benzoic acid	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.051	0.40	0.051	mg/kg dry	1	"	"	"	"	
Carbazole	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.052	0.40	0.052	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.054	0.40	0.054	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.059	0.40	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.048	0.40	0.048	mg/kg dry	1	"	"	"	"	
Fluorene	<0.043	0.40	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.049	0.40	0.049	mg/kg dry	1	"	"	"	"	
Isophorone	<0.038	0.40	0.038	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.40	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.095	0.82	0.095	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.044	0.40	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.084	0.82	0.084	mg/kg dry	1	"	"	"	"	
Pyrene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	86.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	74.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT4_0.5-0.5 (1105173-09) Soil Sampled: 10/21/11 11:30 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.067	0.37	0.046	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.057	0.37	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.082	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT4_0.5-0.5 (1105173-09) Soil Sampled: 10/21/11 11:30 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.053	0.37	0.053	mg/kg dry	1	B1J3110	10/31/11	10/31/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.073	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.16	0.37	0.043	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.11	0.37	0.040	mg/kg dry	1	"	"	"	"	J
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	89.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT2A_3-3 (1105173-05) Soil										W-03
Sampled: 10/21/11 09:30 Received: 10/25/11 10:45										
1,1,1,2-Tetrachloroethane	<0.092	0.39	0.092	mg/kg dry	1	B1J2719	10/27/11	10/27/11	EPA 8260B	
1,1,1-Trichloroethane	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.053	0.39	0.053	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.11	0.39	0.11	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.096	0.78	0.096	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.038	0.39	0.038	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.042	0.78	0.042	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.094	0.78	0.094	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.14	3.1	0.14	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
Acetone	1.2	3.1	0.30	mg/kg dry	1	"	"	"	"	J
Allyl chloride	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Benzene	<0.024	0.39	0.024	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.058	0.39	0.058	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bromoform	<0.042	0.78	0.042	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.17	0.78	0.17	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.053	0.39	0.053	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.030	0.39	0.030	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.058	0.39	0.058	mg/kg dry	1	"	"	"	"	
Chloroform	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.096	0.39	0.096	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.041	0.39	0.041	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT2A_3-3 (1105173-05) Soil										W-03
Sampled: 10/21/11 09:30 Received: 10/25/11 10:45										
cis-1,3-Dichloropropene	<0.034	0.39	0.034	mg/kg dry	1	B1J2719	10/27/11	10/27/11	EPA 8260B	
Dibromochloromethane	<0.053	0.39	0.053	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.16	0.78	0.16	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.060	0.39	0.060	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.060	0.78	0.060	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.017	0.39	0.017	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.11	1.6	0.11	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.030	0.39	0.030	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.074	0.78	0.074	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.13	0.78	0.13	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.025	0.39	0.025	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.32	1.6	0.091	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.086	0.78	0.086	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
Styrene	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.044	0.39	0.044	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	0.65	3.1	0.19	mg/kg dry	1	"	"	"	"	B-01, T-1, J
Toluene	<0.025	0.39	0.025	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.047	0.39	0.047	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.064	0.39	0.064	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.055	0.39	0.055	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.10	0.39	0.10	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	102			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	103			78.1-125 %		"	"	"	"	

E160D-TT1A_3-3 (1105173-08) Soil										
Sampled: 10/21/11 11:00 Received: 10/25/11 10:45										
1,1,1,2-Tetrachloroethane	<0.087	0.37	0.087	mg/kg dry	1	B1J2719	10/27/11	10/27/11	EPA 8260B	
1,1,1-Trichloroethane	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.050	0.37	0.050	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.10	0.37	0.10	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT1A_3-3 (1105173-08) Soil Sampled: 10/21/11 11:00 Received: 10/25/11 10:45										
1,1-Dichloroethene	<0.037	0.37	0.037	mg/kg dry	1	B1J2719	10/27/11	10/27/11	EPA 8260B	
1,1-Dichloropropene	<0.031	0.37	0.031	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.090	0.74	0.090	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.040	0.74	0.040	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.13	2.9	0.13	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.021	0.37	0.021	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.031	0.37	0.031	mg/kg dry	1	"	"	"	"	
Acetone	1.2	2.9	0.28	mg/kg dry	1	"	"	"	"	J
Allyl chloride	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Benzene	<0.022	0.37	0.022	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.055	0.37	0.055	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Bromoform	<0.040	0.74	0.040	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.16	0.74	0.16	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.050	0.37	0.050	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.028	0.37	0.028	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.055	0.37	0.055	mg/kg dry	1	"	"	"	"	
Chloroform	<0.031	0.37	0.031	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.090	0.37	0.090	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.050	0.37	0.050	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.15	0.74	0.15	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.056	0.37	0.056	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.056	0.74	0.056	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E160D-TT1A_3-3 (1105173-08) Soil Sampled: 10/21/11 11:00 Received: 10/25/11 10:45										
Ethylbenzene	<0.016	0.37	0.016	mg/kg dry	1	B1J2719	10/27/11	10/27/11	EPA 8260B	
Hexachlorobutadiene	<0.10	1.5	0.10	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.028	0.37	0.028	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.069	0.74	0.069	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.12	0.74	0.12	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.28	1.5	0.086	mg/kg dry	1	"	"	"	"	B-01, J
Naphthalene	<0.081	0.74	0.081	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.031	0.37	0.031	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.021	0.37	0.021	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
Styrene	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.041	0.37	0.041	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	0.56	2.9	0.18	mg/kg dry	1	"	"	"	"	B-01, T-1, J
Toluene	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.060	0.37	0.060	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.052	0.37	0.052	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.096	0.37	0.096	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.5			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	100			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	102			78.1-125 %		"	"	"	"	

Trip Blank (1105173-10) Methanol Sampled: 10/21/11 00:00 Received: 10/25/11 10:45										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1J2719	10/27/11	10/27/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105173-10) Methanol Sampled: 10/21/11 00:00 Received: 10/25/11 10:45										
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	B1J2719	10/27/11	10/27/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	0.82	2.0	0.19	mg/kg wet	1	"	"	"	"	J
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105173-10) Methanol Sampled: 10/21/11 00:00 Received: 10/25/11 10:45										
Methylene chloride	0.21	1.0	0.058	mg/kg wet	1	B1J2719	10/27/11	10/27/11	EPA 8260B	B-01, J
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	0.39	2.0	0.12	mg/kg wet	1	"	"	"	"	B-01, T-1, J
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.8			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	101			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	102			78.1-125 %		"	"	"	"	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2616 - EPA 7471A											
Blank (B1J2616-BLK1)						Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J2616-BS1)						Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	0.189	0.10	0.019	mg/kg wet	0.200		94.5	80-120			
LCS Dup (B1J2616-BSD1)						Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	0.170	0.10	0.019	mg/kg wet	0.200		85.0	80-120	10.6	20	
Matrix Spike (B1J2616-MS1)						Source: 1105173-01 Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	0.186	0.10	0.020	mg/kg dry	0.203	<0.10	92.0	75-125			
Matrix Spike Dup (B1J2616-MSD1)						Source: 1105173-01 Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	0.217	0.10	0.020	mg/kg dry	0.210	<0.10	104	75-125	15.3	20	
Batch B1J2619 - EPA 3050B											
Blank (B1J2619-BLK1)						Prepared: 10/26/11 Analyzed: 11/02/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1J2619-BS1)						Prepared: 10/26/11 Analyzed: 11/02/11					
Arsenic	39.9	0.50	0.055	mg/kg wet	39.9		100	80-120			
Barium	42.1	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	40.4	0.25	0.033	mg/kg wet	39.9		101	80-120			
Chromium	40.8	0.50	0.012	mg/kg wet	39.9		102	80-120			
Lead	40.0	1.0	0.14	mg/kg wet	39.9		100	80-120			
Selenium	39.9	1.0	0.095	mg/kg wet	39.9		99.9	80-120			
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120			
LCS Dup (B1J2619-BSD1)						Prepared: 10/26/11 Analyzed: 11/02/11					
Arsenic	40.2	0.50	0.055	mg/kg wet	39.9		101	80-120	0.787	20	
Barium	42.3	1.0	0.060	mg/kg wet	39.9		106	80-120	0.468	20	
Cadmium	40.5	0.25	0.033	mg/kg wet	39.9		102	80-120	0.453	20	
Chromium	40.9	0.50	0.012	mg/kg wet	39.9		103	80-120	0.408	20	
Lead	40.1	1.0	0.14	mg/kg wet	39.9		101	80-120	0.361	20	
Selenium	40.6	1.0	0.095	mg/kg wet	39.9		102	80-120	1.94	20	
Silver	4.09	0.25	0.016	mg/kg wet	3.99		102	80-120	0.613	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2619 - EPA 3050B											
Matrix Spike (B1J2619-MS1)		Source: 1105173-01			Prepared: 10/26/11		Analyzed: 11/02/11				
Arsenic	40.6	0.52	0.057	mg/kg dry	39.7	3.82	92.8	75-125			
Barium	95.0	1.0	0.062	mg/kg dry	39.7	56.7	96.5	75-125			
Cadmium	38.1	0.26	0.034	mg/kg dry	39.7	<0.26	95.6	75-125			
Chromium	51.4	0.52	0.012	mg/kg dry	39.7	11.9	99.5	75-125			
Lead	44.0	1.0	0.15	mg/kg dry	39.7	8.03	90.8	75-125			
Selenium	37.2	1.0	0.099	mg/kg dry	39.7	<1.0	93.9	75-125			
Silver	3.81	0.26	0.017	mg/kg dry	3.97	<0.26	96.1	75-125			
Matrix Spike Dup (B1J2619-MSD1)											
Matrix Spike Dup (B1J2619-MSD1)		Source: 1105173-01			Prepared: 10/26/11		Analyzed: 11/02/11				
Arsenic	42.3	0.52	0.057	mg/kg dry	40.8	3.82	94.2	75-125	4.03	20	
Barium	100	1.0	0.062	mg/kg dry	40.8	56.7	107	75-125	5.38	20	
Cadmium	39.1	0.26	0.034	mg/kg dry	40.8	<0.26	95.4	75-125	2.72	20	
Chromium	52.8	0.52	0.012	mg/kg dry	40.8	11.9	100	75-125	2.80	20	
Lead	44.9	1.0	0.15	mg/kg dry	40.8	8.03	90.2	75-125	1.82	20	
Selenium	38.7	1.0	0.099	mg/kg dry	40.8	<1.0	94.8	75-125	3.87	20	
Silver	3.96	0.26	0.017	mg/kg dry	4.08	<0.26	97.0	75-125	3.85	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J3107 - General Preparation												
Duplicate (B1J3107-DUP1)							Source: 1105173-06					Prepared & Analyzed: 10/31/11
% Solids	89.0			%		90.0			1.12	20		
Duplicate (B1J3107-DUP2)							Source: 1105270-02					Prepared & Analyzed: 10/31/11
% Solids	95.0			%		95.0			0.00	20		
Duplicate (B1J3107-DUP3)							Source: 1105270-07					Prepared & Analyzed: 10/31/11
% Solids	98.0			%		98.0			0.00	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J3110 - EPA 3545 ASE Extraction

Blank (B1J3110-BLK1)

Prepared & Analyzed: 10/31/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J3110 - EPA 3545 ASE Extraction

Blank (B1J3110-BLK1)

Prepared & Analyzed: 10/31/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	4.42			mg/kg wet	6.67		66.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.10			mg/kg wet	6.67		61.5	53.9-97.9			
Surrogate: 2-Fluorophenol	3.86			mg/kg wet	6.67		57.9	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.12			mg/kg wet	6.67		61.8	48.9-100			
Surrogate: Phenol-d6	4.39			mg/kg wet	6.67		65.8	50.4-99.6			
Surrogate: Terphenyl-d14	4.47			mg/kg wet	6.67		67.1	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J3110 - EPA 3545 ASE Extraction

LCS (B1J3110-BS1)

Prepared & Analyzed: 10/31/11

1,2,4-Trichlorobenzene	4.41	0.33	0.031	mg/kg wet	6.67		66.2	59.1-87.7		20	
1,4-Dichlorobenzene	3.91	0.33	0.029	mg/kg wet	6.67		58.7	50.3-72.9		20	
2,4-Dinitrotoluene	5.02	0.33	0.035	mg/kg wet	6.67		75.3	59.8-82.2		20	
2-Chlorophenol	4.37	0.67	0.060	mg/kg wet	6.67		65.5	59.7-77.3		20	
4-Chloro-3-methylphenol	4.77	0.67	0.066	mg/kg wet	6.67		71.6	63.6-80.4		20	
4-Nitrophenol	4.74	0.67	0.093	mg/kg wet	6.67		71.1	57.3-84.9		20	
Anthracene	4.87	0.33	0.036	mg/kg wet	6.67		73.1	67.3-88		20	
Benzo(a)anthracene	5.14	0.33	0.041	mg/kg wet	6.67		77.1	66.5-90.5		20	
Benzo(a)pyrene	5.17	0.33	0.042	mg/kg wet	6.67		77.6	66.1-89.7		20	
Chrysene	5.31	0.33	0.044	mg/kg wet	6.67		79.7	65.5-90.5		20	
Fluoranthene	4.66	0.33	0.039	mg/kg wet	6.67		69.9	66.7-89.9		20	
Fluorene	4.63	0.33	0.035	mg/kg wet	6.67		69.5	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.81	0.33	0.033	mg/kg wet	6.67		72.2	59.4-78		20	
Pentachlorophenol	4.39	0.67	0.078	mg/kg wet	6.67		65.8	46.7-83.2		20	
Phenanthrene	4.92	0.33	0.036	mg/kg wet	6.67		73.8	67.5-87.9		20	
Phenol	4.34	0.67	0.069	mg/kg wet	6.67		65.0	59.5-76.6		20	
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.97			mg/kg wet	6.67		74.5	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.50			mg/kg wet	6.67		67.6	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.20			mg/kg wet	6.67		63.0	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.59			mg/kg wet	6.67		68.9	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.50			mg/kg wet	6.67		67.5	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.74			mg/kg wet	6.67		71.1	51-99.6			

Matrix Spike (B1J3110-MS1)

Source: 1105173-01

Prepared & Analyzed: 10/31/11

1,2,4-Trichlorobenzene	4.60	0.34	0.032	mg/kg dry	7.07	<0.34	65.1	44.8-97.9		19.6	
1,4-Dichlorobenzene	4.01	0.34	0.030	mg/kg dry	7.07	<0.34	56.8	42.3-77.9		22.4	
2,4-Dinitrotoluene	5.29	0.34	0.036	mg/kg dry	7.07	<0.34	74.8	57.3-86.6		19.5	
2-Chlorophenol	4.34	0.70	0.062	mg/kg dry	7.07	<0.70	61.3	43.3-93.2		23.7	
4-Chloro-3-methylphenol	4.98	0.70	0.069	mg/kg dry	7.07	<0.70	70.4	47.1-97.6		18.3	
4-Nitrophenol	5.04	0.70	0.097	mg/kg dry	7.07	<0.70	71.3	49.3-96.2		20.4	
Anthracene	5.22	0.34	0.038	mg/kg dry	7.07	<0.34	73.9	67.5-93.1		19.9	
Benzo(a)anthracene	5.49	0.34	0.043	mg/kg dry	7.07	<0.34	77.6	59.8-95.7		23.4	
Benzo(a)pyrene	5.35	0.34	0.044	mg/kg dry	7.07	<0.34	75.6	59.8-92.7		21.1	
Chrysene	5.71	0.34	0.046	mg/kg dry	7.07	<0.34	80.8	62.5-94.6		24.8	
Fluoranthene	4.92	0.34	0.041	mg/kg dry	7.07	<0.34	69.6	61.3-92.8		21.8	
Fluorene	4.92	0.34	0.036	mg/kg dry	7.07	<0.34	69.6	62.8-92.6		17.6	
N-Nitrosodi-n-propylamine	5.03	0.34	0.034	mg/kg dry	7.07	<0.34	71.1	46.9-89.9		18.9	
Pentachlorophenol	4.94	0.70	0.081	mg/kg dry	7.07	<0.70	69.9	40.1-95.1		19.7	
Phenanthrene	5.25	0.34	0.038	mg/kg dry	7.07	<0.34	74.2	65.2-92.2		20.5	
Phenol	4.38	0.70	0.072	mg/kg dry	7.07	<0.70	61.9	44.7-91		17.9	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J3110 - EPA 3545 ASE Extraction

Matrix Spike (B1J3110-MS1)

Source: 1105173-01

Prepared & Analyzed: 10/31/11

Surrogate: 2,4,6-Tribromophenol	5.80			mg/kg dry	7.07		82.0	53-107			
Surrogate: 2-Fluorobiphenyl	4.71			mg/kg dry	7.07		66.6	53.9-97.9			
Surrogate: 2-Fluorophenol	4.39			mg/kg dry	7.07		62.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.76			mg/kg dry	7.07		67.3	48.9-100			
Surrogate: Phenol-d6	4.78			mg/kg dry	7.07		67.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.98			mg/kg dry	7.07		70.4	51-99.6			

Matrix Spike Dup (B1J3110-MSD1)

Source: 1105173-01

Prepared & Analyzed: 10/31/11

1,2,4-Trichlorobenzene	4.81	0.34	0.032	mg/kg dry	6.98	<0.34	68.9	44.8-97.9	4.38	19.6	
1,4-Dichlorobenzene	4.26	0.34	0.030	mg/kg dry	6.98	<0.34	61.1	42.3-77.9	6.04	22.4	
2,4-Dinitrotoluene	5.21	0.34	0.036	mg/kg dry	6.98	<0.34	74.7	57.3-86.6	1.57	19.5	
2-Chlorophenol	4.53	0.70	0.062	mg/kg dry	6.98	<0.70	64.9	43.3-93.2	4.26	23.7	
4-Chloro-3-methylphenol	4.98	0.70	0.069	mg/kg dry	6.98	<0.70	71.4	47.1-97.6	0.0484	18.3	
4-Nitrophenol	4.94	0.70	0.097	mg/kg dry	6.98	<0.70	70.8	49.3-96.2	2.00	20.4	
Anthracene	5.19	0.34	0.038	mg/kg dry	6.98	<0.34	74.4	67.5-93.1	0.595	19.9	
Benzo(a)anthracene	5.39	0.34	0.043	mg/kg dry	6.98	<0.34	77.2	59.8-95.7	1.85	23.4	
Benzo(a)pyrene	5.21	0.34	0.044	mg/kg dry	6.98	<0.34	74.7	59.8-92.7	2.60	21.1	
Chrysene	5.63	0.34	0.046	mg/kg dry	6.98	<0.34	80.7	62.5-94.6	1.47	24.8	
Fluoranthene	4.84	0.34	0.041	mg/kg dry	6.98	<0.34	69.4	61.3-92.8	1.58	21.8	
Fluorene	4.96	0.34	0.036	mg/kg dry	6.98	<0.34	71.1	62.8-92.6	0.710	17.6	
N-Nitrosodi-n-propylamine	5.17	0.34	0.034	mg/kg dry	6.98	<0.34	74.1	46.9-89.9	2.84	18.9	
Pentachlorophenol	5.00	0.70	0.081	mg/kg dry	6.98	<0.70	71.7	40.1-95.1	1.10	19.7	
Phenanthrene	5.19	0.34	0.038	mg/kg dry	6.98	<0.34	74.4	65.2-92.2	1.12	20.5	
Phenol	4.49	0.70	0.072	mg/kg dry	6.98	<0.70	64.3	44.7-91	2.42	17.9	
Surrogate: 2,4,6-Tribromophenol	5.77			mg/kg dry	6.98		82.7	53-107			
Surrogate: 2-Fluorobiphenyl	4.86			mg/kg dry	6.98		69.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.63			mg/kg dry	6.98		66.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.95			mg/kg dry	6.98		70.9	48.9-100			
Surrogate: Phenol-d6	4.95			mg/kg dry	6.98		71.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.90			mg/kg dry	6.98		70.3	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Blank (B1K0103-BLK1)

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Blank (B1K0103-BLK1)

Prepared & Analyzed: 11/01/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.04			mg/kg wet	6.67		75.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.36			mg/kg wet	6.67		65.4	53.9-97.9			
Surrogate: 2-Fluorophenol	4.23			mg/kg wet	6.67		63.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.33			mg/kg wet	6.67		65.0	48.9-100			
Surrogate: Phenol-d6	4.75			mg/kg wet	6.67		71.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.44			mg/kg wet	6.67		66.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

LCS (B1K0103-BS1)

Prepared: 11/01/11 Analyzed: 02/02/12

1,2,4-Trichlorobenzene	4.60	0.33	0.031	mg/kg wet	6.67		69.0	59.1-87.7		20	
1,4-Dichlorobenzene	4.02	0.33	0.029	mg/kg wet	6.67		60.2	50.3-72.9		20	
2,4-Dinitrotoluene	4.89	0.33	0.035	mg/kg wet	6.67		73.4	59.8-82.2		20	
2-Chlorophenol	4.50	0.67	0.060	mg/kg wet	6.67		67.5	59.7-77.3		20	
4-Chloro-3-methylphenol	4.92	0.67	0.066	mg/kg wet	6.67		73.7	63.6-80.4		20	
4-Nitrophenol	5.47	0.67	0.093	mg/kg wet	6.67		82.0	57.3-84.9		20	
Anthracene	4.75	0.33	0.036	mg/kg wet	6.67		71.3	67.3-88		20	
Benzo(a)anthracene	5.09	0.33	0.041	mg/kg wet	6.67		76.3	66.5-90.5		20	
Benzo(a)pyrene	4.99	0.33	0.042	mg/kg wet	6.67		74.8	66.1-89.7		20	
Chrysene	5.29	0.33	0.044	mg/kg wet	6.67		79.4	65.5-90.5		20	
Fluoranthene	4.57	0.33	0.039	mg/kg wet	6.67		68.5	66.7-89.9		20	
Fluorene	4.59	0.33	0.035	mg/kg wet	6.67		68.8	66.2-85.6		20	
N-Nitrosodi-n-propylamine	4.67	0.33	0.033	mg/kg wet	6.67		70.0	59.4-78		20	
Pentachlorophenol	4.56	0.67	0.078	mg/kg wet	6.67		68.3	46.7-83.2		20	
Phenanthrene	4.85	0.33	0.036	mg/kg wet	6.67		72.8	67.5-87.9		20	
Phenol	4.48	0.67	0.069	mg/kg wet	6.67		67.1	59.5-76.6		20	
Surrogate: 2,4,6-Tribromophenol	5.02			mg/kg wet	6.67		75.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.47			mg/kg wet	6.67		67.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.22			mg/kg wet	6.67		63.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.48			mg/kg wet	6.67		67.2	48.9-100			
Surrogate: Phenol-d6	4.09			mg/kg wet	6.67		61.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.45			mg/kg wet	6.67		66.7	51-99.6			

Matrix Spike (B1K0103-MS1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	5.17	0.38	0.036	mg/kg dry	7.76	<0.38	66.6	44.8-97.9		19.6	
1,4-Dichlorobenzene	4.48	0.38	0.033	mg/kg dry	7.76	<0.38	57.8	42.3-77.9		22.4	
2,4-Dinitrotoluene	5.87	0.38	0.040	mg/kg dry	7.76	<0.38	75.7	57.3-86.6		19.5	
2-Chlorophenol	4.82	0.77	0.069	mg/kg dry	7.76	<0.77	62.1	43.3-93.2		23.7	
4-Chloro-3-methylphenol	5.64	0.77	0.076	mg/kg dry	7.76	<0.77	72.6	47.1-97.6		18.3	
4-Nitrophenol	6.50	0.77	0.11	mg/kg dry	7.76	<0.77	83.8	49.3-96.2		20.4	
Anthracene	5.94	0.38	0.041	mg/kg dry	7.76	<0.38	76.5	67.5-93.1		19.9	
Benzo(a)anthracene	6.09	0.38	0.047	mg/kg dry	7.76	<0.38	78.4	59.8-95.7		23.4	
Benzo(a)pyrene	5.94	0.38	0.048	mg/kg dry	7.76	<0.38	76.5	59.8-92.7		21.1	
Chrysene	6.48	0.38	0.051	mg/kg dry	7.76	<0.38	83.4	62.5-94.6		24.8	
Fluoranthene	5.53	0.38	0.045	mg/kg dry	7.76	<0.38	71.2	61.3-92.8		21.8	
Fluorene	5.52	0.38	0.040	mg/kg dry	7.76	<0.38	71.2	62.8-92.6		17.6	
N-Nitrosodi-n-propylamine	5.39	0.38	0.038	mg/kg dry	7.76	<0.38	69.4	46.9-89.9		18.9	
Pentachlorophenol	6.30	0.77	0.090	mg/kg dry	7.76	<0.77	81.2	40.1-95.1		19.7	
Phenanthrene	6.02	0.38	0.041	mg/kg dry	7.76	<0.38	77.5	65.2-92.2		20.5	
Phenol	4.80	0.77	0.079	mg/kg dry	7.76	<0.77	61.8	44.7-91		17.9	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Matrix Spike (B1K0103-MS1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

Surrogate: 2,4,6-Tribromophenol	6.77			mg/kg dry	7.76		87.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.24			mg/kg dry	7.76		67.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.94			mg/kg dry	7.76		63.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.19			mg/kg dry	7.76		66.9	48.9-100			
Surrogate: Phenol-d6	5.34			mg/kg dry	7.76		68.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.43			mg/kg dry	7.76		69.9	51-99.6			

Matrix Spike Dup (B1K0103-MSD1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	4.99	0.38	0.036	mg/kg dry	7.70	<0.38	64.9	44.8-97.9	3.39	19.6	
1,4-Dichlorobenzene	4.32	0.38	0.033	mg/kg dry	7.70	<0.38	56.1	42.3-77.9	3.70	22.4	
2,4-Dinitrotoluene	5.75	0.38	0.040	mg/kg dry	7.70	<0.38	74.7	57.3-86.6	2.03	19.5	
2-Chlorophenol	4.70	0.77	0.069	mg/kg dry	7.70	<0.77	61.1	43.3-93.2	2.44	23.7	
4-Chloro-3-methylphenol	5.42	0.77	0.076	mg/kg dry	7.70	<0.77	70.4	47.1-97.6	3.93	18.3	
4-Nitrophenol	6.48	0.77	0.11	mg/kg dry	7.70	<0.77	84.1	49.3-96.2	0.356	20.4	
Anthracene	5.80	0.38	0.041	mg/kg dry	7.70	<0.38	75.3	67.5-93.1	2.44	19.9	
Benzo(a)anthracene	5.90	0.38	0.047	mg/kg dry	7.70	<0.38	76.7	59.8-95.7	3.02	23.4	
Benzo(a)pyrene	5.74	0.38	0.048	mg/kg dry	7.70	<0.38	74.6	59.8-92.7	3.34	21.1	
Chrysene	6.33	0.38	0.051	mg/kg dry	7.70	<0.38	82.2	62.5-94.6	2.30	24.8	
Fluoranthene	5.35	0.38	0.045	mg/kg dry	7.70	<0.38	69.5	61.3-92.8	3.24	21.8	
Fluorene	5.39	0.38	0.040	mg/kg dry	7.70	<0.38	70.0	62.8-92.6	2.54	17.6	
N-Nitrosodi-n-propylamine	5.27	0.38	0.038	mg/kg dry	7.70	<0.38	68.5	46.9-89.9	2.21	18.9	
Pentachlorophenol	6.24	0.77	0.090	mg/kg dry	7.70	<0.77	81.0	40.1-95.1	0.994	19.7	
Phenanthrene	5.82	0.38	0.041	mg/kg dry	7.70	<0.38	75.6	65.2-92.2	3.35	20.5	
Phenol	4.72	0.77	0.079	mg/kg dry	7.70	<0.77	61.3	44.7-91	1.61	17.9	
Surrogate: 2,4,6-Tribromophenol	6.53			mg/kg dry	7.70		84.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.11			mg/kg dry	7.70		66.4	53.9-97.9			
Surrogate: 2-Fluorophenol	4.74			mg/kg dry	7.70		61.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.08			mg/kg dry	7.70		66.0	48.9-100			
Surrogate: Phenol-d6	5.27			mg/kg dry	7.70		68.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.27			mg/kg dry	7.70		68.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2719 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2719-BLK1)

Prepared & Analyzed: 10/27/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2719 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2719-BLK1)

Prepared & Analyzed: 10/27/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	0.127	1.0	0.058	mg/kg wet							B-02, J
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	0.348	2.0	0.12	mg/kg wet							B-02, J
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	50.4			ug/L	50.0		101	80-124			
Surrogate: Dibromofluoromethane	51.3			ug/L	50.0		103	77.1-123			
Surrogate: Toluene-d8	50.2			ug/L	50.0		100	78.1-125			

LCS (B1J2719-BS1)

Prepared & Analyzed: 10/27/11

1,1,2,2-Tetrachloroethane	50.0			ug/L	50.0		100	75-120			20
1,1-Dichloroethane	49.4			ug/L	50.0		98.8	79.6-120			20
1,1-Dichloroethene	49.8			ug/L	50.0		99.7	78.3-120			20
1,3,5-Trimethylbenzene	51.9			ug/L	50.0		104	77-120			20
1,4-Dichlorobenzene	50.4			ug/L	50.0		101	75-125			20
2-Chlorotoluene	50.3			ug/L	50.0		101	75.9-120			20

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2719 - EPA 5035 Soil (Purge and Trap)

LCS (B1J2719-BS1)

Prepared & Analyzed: 10/27/11

Benzene	49.9			ug/L	50.0		99.8	80-120		20	
Bromoform	50.1			ug/L	50.0		100	80-120		20	
Chlorobenzene	49.5			ug/L	50.0		99.0	80-120		20	
Chloroform	49.4			ug/L	50.0		98.9	80-120		20	
Ethylbenzene	50.0			ug/L	50.0		100	80-120		20	
n-Butylbenzene	51.4			ug/L	50.0		103	75-125		20	
n-Propylbenzene	50.7			ug/L	50.0		101	75-120		20	
Toluene	51.4			ug/L	50.0		103	80-120		20	
Trichloroethene	49.3			ug/L	50.0		98.7	80-120		20	
Vinyl chloride	54.7			ug/L	50.0		109	75-130		20	
Surrogate: 4-Bromofluorobenzene	51.9			ug/L	50.0		104	80-124			
Surrogate: Dibromofluoromethane	52.5			ug/L	50.0		105	77.1-123			
Surrogate: Toluene-d8	52.2			ug/L	50.0		104	78.1-125			

Matrix Spike (B1J2719-MS1)

Source: 1105173-05

Prepared & Analyzed: 10/27/11

1,1,2,2-Tetrachloroethane	51.2			ug/L	50.0	<	102	75-125		20	
1,1-Dichloroethane	49.9			ug/L	50.0	<	99.8	78.7-123		20	
1,1-Dichloroethene	50.0			ug/L	50.0	<	99.9	75.8-121		20	
1,3,5-Trimethylbenzene	52.2			ug/L	50.0	<	104	75-120		20	
1,4-Dichlorobenzene	50.2			ug/L	50.0	<	100	75-125		20	
2-Chlorotoluene	50.5			ug/L	50.0	<	101	75-120		20	
Benzene	49.9			ug/L	50.0	<	99.8	80-120		20	
Bromoform	54.0			ug/L	50.0	<	108	80-120		20	
Chlorobenzene	52.0			ug/L	50.0	<	104	80-120		20	
Chloroform	50.3			ug/L	50.0	<	101	80-120		20	
Ethylbenzene	52.4			ug/L	50.0	<	105	80-120		20	
n-Butylbenzene	51.7			ug/L	50.0	<	103	73.8-125		20	
n-Propylbenzene	50.7			ug/L	50.0	<	101	75-120		20	
Toluene	51.2			ug/L	50.0	<	102	80-120		20	
Trichloroethene	50.1			ug/L	50.0	<	100	80-120		20	
Vinyl chloride	55.0			ug/L	50.0	<	110	74.8-130		20	
Surrogate: 4-Bromofluorobenzene	50.5			ug/L	50.0		101	80-124			
Surrogate: Dibromofluoromethane	51.5			ug/L	50.0		103	77.1-123			
Surrogate: Toluene-d8	51.5			ug/L	50.0		103	78.1-125			

Matrix Spike Dup (B1J2719-MSD1)

Source: 1105173-05

Prepared & Analyzed: 10/27/11

1,1,2,2-Tetrachloroethane	52.5			ug/L	50.0	<	105	75-125	2.48	20	
1,1-Dichloroethane	50.5			ug/L	50.0	<	101	78.7-123	1.34	20	
1,1-Dichloroethene	50.6			ug/L	50.0	<	101	75.8-121	1.32	20	
1,3,5-Trimethylbenzene	53.1			ug/L	50.0	<	106	75-120	1.62	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2719 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1J2719-MSD1)		Source: 1105173-05			Prepared & Analyzed: 10/27/11						
1,4-Dichlorobenzene	51.8			ug/L	50.0	<	104	75-125	3.03	20	
2-Chlorotoluene	51.3			ug/L	50.0	<	103	75-120	1.45	20	
Benzene	51.3			ug/L	50.0	<	103	80-120	2.71	20	
Bromoform	52.0			ug/L	50.0	<	104	80-120	3.79	20	
Chlorobenzene	51.2			ug/L	50.0	<	102	80-120	1.43	20	
Chloroform	50.9			ug/L	50.0	<	102	80-120	1.17	20	
Ethylbenzene	51.7			ug/L	50.0	<	103	80-120	1.28	20	
n-Butylbenzene	52.9			ug/L	50.0	<	106	73.8-125	2.24	20	
n-Propylbenzene	51.9			ug/L	50.0	<	104	75-120	2.30	20	
Toluene	53.2			ug/L	50.0	<	106	80-120	3.96	20	
Trichloroethene	50.8			ug/L	50.0	<	102	80-120	1.31	20	
Vinyl chloride	55.3			ug/L	50.0	<	111	74.8-130	0.501	20	
Surrogate: 4-Bromofluorobenzene	50.3			ug/L	50.0		101	80-124			
Surrogate: Dibromofluoromethane	51.1			ug/L	50.0		102	77.1-123			
Surrogate: Toluene-d8	51.6			ug/L	50.0		103	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW Central Project Manager: Ms. Andrea Nord	Work Order #: 1105173 Date Reported: 11/07/11
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Notes and Definitions

- W-03 The initial sample weight was less than 8.0 grams.
- T-1 MDH does not offer certification for this parameter.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- J Parameter was present between the MDL and RL and should be considered an estimated value
- B-02 Target analyte was present in the method blank between the MDL and RL.
- B-01 Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

LEGEND

Technical Services, Inc.

www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

Chain of Custody
4700 West 77th Street
Minneapolis, MN 55435-6803
(952) 832-2600

Project Number: 2319-1092-00 48R1 82D
Project Name: ~~600~~ UMWL RI-GOW Central
Sample Origin: State MN (use two letter postal state abbreviation)

1105173

NO 36987

COC _____ of _____

Project Manager: JME

Project QC Contact: AAN

Sampled by: KCB

Laboratory: Legend

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		On Ice?	Retinquired By: <u>Steve Schuler</u>	Retinquired Date: <u>10/21/11</u>	Date	Time
						Soil	Water					
1. GC-TT5	0.5	0.5	ft	10/21/2011	0800	X	X	N				
2. GC-TT4	2	2			0830	X	X	N				
3. E160D-TT8	0.5	0.5			0845	X	X	N				
4. E160D-TT7	0.5	0.5			0915	X	X	N				
5. E160D-TT2A	3	3			0930	X	X	N				
6. E160D-TT6	0.5	0.5			1000	X	X	N				
7. E160D-TT5	0.5	0.5			1030	X	X	N				
8. E160D-TT1A	3	3			1100	X	X	N				
9. E160D-TT4	0.5	0.5			1130	X	X	N				
10. Trip Blank	-	-			-	X	X	N				

Number of Containers/Preservative

Water		Soil	
VOCs (unpreserved) #2		Metals (unpreserved)	
Dissolved Metals (HNO3)		DRG (lared unpres.)	
Total Metals (HNO3)		GRG, BTEX (lared MeOH) #1	
General (unpreserved) #3		VOCs (lared MeOH) #1	
Diesel Range Organics (HCl)		Nutrients (B250) #4	
% Solids (plastic vial unpres.)			

Received by: _____

Date: _____

Time: _____

Received by: PR

Date: 10/25/11

Time: 12:48

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRG, TPH, 8260 Full List

#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

PR/cud

HRS-GSTP-01/FORM-11/11 OF CHAIN OF CUSTODY FORM 2009 RLG Rev. 09/01/08



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

November 02, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105174
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/25/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "T-LE", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
U-SanC5-TT1_10-10	1105174-01	Soil	10/21/11 16:00	10/25/11 10:45

Shipping Container Information

Default Cooler	Temperature (°C):	
Received on ice: Yes	Temperature blank was not present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: Yes		

Case Narrative:

The recoveries for alpha-BHC, gamma-BHC, delta-BHC, and 4,4'-DDD were above the method limits and recoveries for 4,4'-DDT and methoxychlor were below the method limits in the ending 8081A continuing calibration verification standard (CCVS). However, following calibration evaluation procedures per EPA 8000B, the average % difference for all analytes was within the method limit, verifying the calibration. The specific analytes are flagged as required. All recoveries were within limits in the beginning and middle CCVS.

The recovery of the 8081A spike compound 4,4'-DDT was above laboratory acceptance limits for MS/MSD samples in batch B1J2604. All spike compounds were within limits in the LCS. The source sample was not associated with this work order.

Methylene chloride and tetrahydrofuran were detected between the MDL and RL in the 8260 batch B1J2719 BLK. Samples with methylene chloride and tetrahydrofuran detections less than or equal to 10 times the blank contamination are qualified.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-TT1_10-10 (1105174-01) Soil Sampled: 10/21/11 16:00 Received: 10/25/11 10:45										
Arsenic	5.6	0.60	0.065	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Barium	110	1.2	0.071	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.039	mg/kg dry	1	"	"	"	"	
Chromium	18	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	7.5	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.13	0.13	0.024	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J2618	10/26/11	10/27/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-TT1_10-10 (1105174-01) Soil Sampled: 10/21/11 16:00 Received: 10/25/11 10:45										
Aroclor 1016	<0.24	0.24	0.0094	mg/kg dry	1	B1J2605	10/26/11	10/29/11	EPA 8082	
Aroclor 1221	<0.24	0.24	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.24	0.24	0.027	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.24	0.24	0.012	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.24	0.24	0.048	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.24	0.24	0.048	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.24	0.24	0.0070	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	97.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	91.5			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-TT1_10-10 (1105174-01) Soil Sampled: 10/21/11 16:00 Received: 10/25/11 10:45										
% Solids	84			%	1	B1J3107	10/31/11	10/31/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-TT1_10-10 (1105174-01) Soil Sampled: 10/21/11 16:00 Received: 10/25/11 10:45										
4,4'-DDD	<0.048	0.048	0.0024	mg/kg dry	1	B1J2604	10/26/11	10/29/11	EPA 8081A	V7
4,4'-DDE	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	V8
Aldrin	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	V7
alpha-Chlordane	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.048	0.048	0.0026	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	V7
Dieldrin	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.048	0.048	0.0026	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	
Endrin	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.048	0.048	0.0017	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	V7
gamma-Chlordane	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.048	0.048	0.0024	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.048	0.048	0.0025	mg/kg dry	1	"	"	"	"	V8
Toxaphene	<0.095	0.095	0.019	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	94.5			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	102			65.2-135 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-TT1_10-10 (1105174-01) Soil Sampled: 10/21/11 16:00 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.044	0.80	0.044	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.089	0.80	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.095	0.80	0.095	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.071	0.80	0.071	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.10	0.80	0.10	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.038	0.80	0.038	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.18	1.9	0.18	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.80	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.079	0.80	0.079	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.032	0.80	0.032	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.045	0.39	0.045	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.037	0.80	0.037	mg/kg dry	1	"	"	"	"	
Anthracene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzidine	<0.23	3.0	0.23	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-TT1_10-10 (1105174-01) Soil Sampled: 10/21/11 16:00 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.057	0.39	0.057	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
Benzoic acid	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.80	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.050	0.39	0.050	mg/kg dry	1	"	"	"	"	
Carbazole	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.051	0.39	0.051	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.052	0.39	0.052	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.057	0.39	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.046	0.39	0.046	mg/kg dry	1	"	"	"	"	
Fluorene	<0.042	0.39	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.036	0.39	0.036	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Isophorone	<0.037	0.39	0.037	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.031	0.39	0.031	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.093	0.80	0.093	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.043	0.39	0.043	mg/kg dry	1	"	"	"	"	
Phenol	<0.082	0.80	0.082	mg/kg dry	1	"	"	"	"	
Pyrene	<0.049	0.39	0.049	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	95.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-TT1_10-10 (1105174-01) Soil Sampled: 10/21/11 16:00 Received: 10/25/11 10:45										
1,1,1,2-Tetrachloroethane	<0.076	0.32	0.076	mg/kg dry	1	B1J2719	10/27/11	10/27/11	EPA 8260B	
1,1,1-Trichloroethane	<0.041	0.32	0.041	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.044	0.32	0.044	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.088	0.32	0.088	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.030	0.32	0.030	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.032	0.32	0.032	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.079	0.65	0.079	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.031	0.32	0.031	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.035	0.65	0.035	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.023	0.32	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.089	0.65	0.089	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.028	0.32	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.026	0.32	0.026	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.035	0.32	0.035	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.040	0.32	0.040	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.026	0.32	0.026	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.028	0.32	0.028	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.022	0.32	0.022	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.078	0.65	0.078	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.11	2.6	0.11	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.018	0.32	0.018	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
Acetone	0.95	2.6	0.25	mg/kg dry	1	"	"	"	"	J
Allyl chloride	<0.075	0.65	0.075	mg/kg dry	1	"	"	"	"	
Benzene	<0.019	0.32	0.019	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.035	0.32	0.035	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.048	0.32	0.048	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.035	0.32	0.035	mg/kg dry	1	"	"	"	"	
Bromoform	<0.035	0.65	0.035	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.14	0.65	0.14	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.044	0.32	0.044	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.025	0.32	0.025	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.048	0.32	0.048	mg/kg dry	1	"	"	"	"	
Chloroform	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.079	0.32	0.079	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-SanC5-TT1_10-10 (1105174-01) Soil Sampled: 10/21/11 16:00 Received: 10/25/11 10:45										
cis-1,3-Dichloropropene	<0.028	0.32	0.028	mg/kg dry	1	B1J2719	10/27/11	10/27/11	EPA 8260B	
Dibromochloromethane	<0.044	0.32	0.044	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.038	0.32	0.038	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.13	0.65	0.13	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.049	0.32	0.049	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.049	0.65	0.049	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.014	0.32	0.014	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.089	1.3	0.089	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.025	0.32	0.025	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.061	0.65	0.061	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.11	0.65	0.11	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.021	0.32	0.021	mg/kg dry	1	"	"	"	"	
Methylene chloride	0.24	1.3	0.075	mg/kg dry	1	"	"	"	"	J, B-01
Naphthalene	<0.071	0.65	0.071	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.035	0.32	0.035	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.032	0.32	0.032	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.018	0.32	0.018	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.022	0.32	0.022	mg/kg dry	1	"	"	"	"	
Styrene	<0.026	0.32	0.026	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.023	0.32	0.023	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.036	0.32	0.036	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	0.54	2.6	0.16	mg/kg dry	1	"	"	"	"	J, B-01, T-1
Toluene	<0.021	0.32	0.021	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.039	0.32	0.039	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.030	0.32	0.030	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.053	0.32	0.053	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.045	0.32	0.045	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.084	0.32	0.084	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.3			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	102			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	102			78.1-125 %		"	"	"	"	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2616 - EPA 7471A											
Blank (B1J2616-BLK1)						Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J2616-BS1)						Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	0.189	0.10	0.019	mg/kg wet	0.200		94.5	80-120			
LCS Dup (B1J2616-BSD1)						Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	0.170	0.10	0.019	mg/kg wet	0.200		85.0	80-120	10.6	20	
Matrix Spike (B1J2616-MS1)						Source: 1105173-01 Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	0.186	0.10	0.020	mg/kg dry	0.203	<0.10	92.0	75-125			
Matrix Spike Dup (B1J2616-MSD1)						Source: 1105173-01 Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	0.217	0.10	0.020	mg/kg dry	0.210	<0.10	104	75-125	15.3	20	
Batch B1J2618 - EPA 3050B											
Blank (B1J2618-BLK1)						Prepared: 10/26/11 Analyzed: 10/27/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1J2618-BS1)						Prepared: 10/26/11 Analyzed: 10/27/11					
Arsenic	38.2	0.50	0.055	mg/kg wet	39.9		95.7	80-120			
Barium	40.6	1.0	0.060	mg/kg wet	39.9		102	80-120			
Cadmium	38.7	0.25	0.033	mg/kg wet	39.9		97.1	80-120			
Chromium	39.1	0.50	0.012	mg/kg wet	39.9		98.1	80-120			
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120			
Selenium	38.6	1.0	0.095	mg/kg wet	39.9		96.8	80-120			
Silver	3.88	0.25	0.016	mg/kg wet	3.99		97.2	80-120			
LCS Dup (B1J2618-BSD1)						Prepared: 10/26/11 Analyzed: 10/27/11					
Arsenic	38.4	0.50	0.055	mg/kg wet	39.9		96.2	80-120	0.577	20	
Barium	40.4	1.0	0.060	mg/kg wet	39.9		101	80-120	0.458	20	
Cadmium	38.6	0.25	0.033	mg/kg wet	39.9		96.8	80-120	0.325	20	
Chromium	39.0	0.50	0.012	mg/kg wet	39.9		97.7	80-120	0.379	20	
Lead	40.8	1.0	0.14	mg/kg wet	39.9		102	80-120	0.0737	20	
Selenium	38.6	1.0	0.095	mg/kg wet	39.9		96.7	80-120	0.144	20	
Silver	3.88	0.25	0.016	mg/kg wet	3.99		97.1	80-120	0.101	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2618 - EPA 3050B											
Matrix Spike (B1J2618-MS1)		Source: 1105097-05			Prepared: 10/26/11		Analyzed: 10/27/11				
Arsenic	45.7	0.58	0.064	mg/kg dry	46.1	7.53	82.7	75-125			
Barium	162	1.2	0.070	mg/kg dry	46.1	124	81.2	75-125			
Cadmium	40.2	0.29	0.038	mg/kg dry	46.1	<0.29	86.8	75-125			
Chromium	60.8	0.58	0.014	mg/kg dry	46.1	19.6	89.3	75-125			
Lead	51.7	1.2	0.16	mg/kg dry	46.1	10.1	90.2	75-125			
Selenium	37.9	1.2	0.11	mg/kg dry	46.1	<1.2	81.7	75-125			
Silver	3.89	0.29	0.019	mg/kg dry	4.61	<0.29	84.2	75-125			
Matrix Spike Dup (B1J2618-MSD1)											
Matrix Spike Dup (B1J2618-MSD1)		Source: 1105097-05			Prepared: 10/26/11		Analyzed: 10/27/11				
Arsenic	45.7	0.58	0.064	mg/kg dry	46.1	7.53	82.7	75-125	0.0449	20	
Barium	163	1.2	0.070	mg/kg dry	46.1	124	85.5	75-125	1.20	20	
Cadmium	39.9	0.29	0.038	mg/kg dry	46.1	<0.29	86.3	75-125	0.601	20	
Chromium	60.1	0.58	0.014	mg/kg dry	46.1	19.6	87.9	75-125	1.15	20	
Lead	49.8	1.2	0.16	mg/kg dry	46.1	10.1	86.1	75-125	3.76	20	
Selenium	38.1	1.2	0.11	mg/kg dry	46.1	<1.2	82.2	75-125	0.549	20	
Silver	3.84	0.29	0.019	mg/kg dry	4.61	<0.29	83.3	75-125	1.22	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2605 - EPA 3545 ASE Extraction											
Blank (B1J2605-BLK1)											
						Prepared: 10/26/11 Analyzed: 10/27/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0627			mg/kg wet	0.0667		94.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0630			mg/kg wet	0.0667		94.5	60.9-138			
LCS (B1J2605-BS1)											
						Prepared: 10/26/11 Analyzed: 10/27/11					
Aroclor 1260	0.338	0.20	0.0059	mg/kg wet	0.333		102	70-130			
Surrogate: Decachlorobiphenyl	0.0617			mg/kg wet	0.0667		92.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0617			mg/kg wet	0.0667		92.5	60.9-138			
Matrix Spike (B1J2605-MS1)											
						Source: 1105080-06 Prepared: 10/26/11 Analyzed: 10/29/11					
Aroclor 1260	0.306	0.20	0.0060	mg/kg dry	0.344	<0.20	88.8	70-130			
Surrogate: Decachlorobiphenyl	0.0530			mg/kg dry	0.0689		77.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0606			mg/kg dry	0.0689		88.0	60.9-138			
Matrix Spike Dup (B1J2605-MSD1)											
						Source: 1105080-06 Prepared: 10/26/11 Analyzed: 10/29/11					
Aroclor 1260	0.313	0.20	0.0060	mg/kg dry	0.344	<0.20	91.0	70-130	2.38	17.2	
Surrogate: Decachlorobiphenyl	0.0544			mg/kg dry	0.0688		79.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0585			mg/kg dry	0.0688		85.0	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1J3107 - General Preparation												
Duplicate (B1J3107-DUP1)							Source: 1105173-06					Prepared & Analyzed: 10/31/11
% Solids	89.0			%		90.0			1.12	20		
Duplicate (B1J3107-DUP2)							Source: 1105270-02					Prepared & Analyzed: 10/31/11
% Solids	95.0			%		95.0			0.00	20		
Duplicate (B1J3107-DUP3)							Source: 1105270-07					Prepared & Analyzed: 10/31/11
% Solids	98.0			%		98.0			0.00	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2604 - EPA 3545 ASE Extraction

Blank (B1J2604-BLK1)

Prepared: 10/26/11 Analyzed: 10/27/11

4,4'-DDD	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDE	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDT	< 0.040	0.040	0.0020	mg/kg wet							
Aldrin	< 0.040	0.040	0.0021	mg/kg wet							
alpha-BHC	< 0.040	0.040	0.0020	mg/kg wet							
alpha-Chlordane	< 0.040	0.040	0.0020	mg/kg wet							
beta-BHC	< 0.040	0.040	0.0022	mg/kg wet							
delta-BHC	< 0.040	0.040	0.0020	mg/kg wet							
Dieldrin	< 0.040	0.040	0.0020	mg/kg wet							
Endosulfan I	< 0.040	0.040	0.0022	mg/kg wet							
Endosulfan II	< 0.040	0.040	0.0021	mg/kg wet							
Endosulfan sulfate	< 0.040	0.040	0.0021	mg/kg wet							
Endrin	< 0.040	0.040	0.0020	mg/kg wet							
Endrin aldehyde	< 0.040	0.040	0.0014	mg/kg wet							
Endrin ketone	< 0.040	0.040	0.0021	mg/kg wet							
gamma-BHC (Lindane)	< 0.040	0.040	0.0021	mg/kg wet							
gamma-Chlordane	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor epoxide	< 0.040	0.040	0.0020	mg/kg wet							
Methoxychlor	< 0.040	0.040	0.0021	mg/kg wet							
Toxaphene	< 0.080	0.080	0.016	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0683			mg/kg wet	0.0667		102	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0670			mg/kg wet	0.0667		100	65.2-135			

LCS (B1J2604-BS1)

Prepared: 10/26/11 Analyzed: 10/27/11

4,4'-DDD	0.0800	0.040	0.0020	mg/kg wet	0.0833		96.0	70-130			
4,4'-DDE	0.0797	0.040	0.0020	mg/kg wet	0.0833		95.6	70-130			
4,4'-DDT	0.0800	0.040	0.0020	mg/kg wet	0.0833		96.0	70-130			
Aldrin	0.0797	0.040	0.0021	mg/kg wet	0.0833		95.6	70-130			
alpha-BHC	0.0803	0.040	0.0020	mg/kg wet	0.0833		96.4	70-130			
alpha-Chlordane	0.0817	0.040	0.0020	mg/kg wet	0.0833		98.0	70-130			
beta-BHC	0.0790	0.040	0.0022	mg/kg wet	0.0833		94.8	70-130			
delta-BHC	0.0793	0.040	0.0020	mg/kg wet	0.0833		95.2	70-130			
Dieldrin	0.0797	0.040	0.0020	mg/kg wet	0.0833		95.6	70-130			
Endosulfan I	0.0790	0.040	0.0022	mg/kg wet	0.0833		94.8	70-130			
Endosulfan II	0.0790	0.040	0.0021	mg/kg wet	0.0833		94.8	70-130			
Endosulfan sulfate	0.0783	0.040	0.0021	mg/kg wet	0.0833		94.0	70-130			
Endrin	0.0820	0.040	0.0020	mg/kg wet	0.0833		98.4	70-130			
Endrin aldehyde	0.0853	0.040	0.0014	mg/kg wet	0.0833		102	70-130			
Endrin ketone	0.0790	0.040	0.0021	mg/kg wet	0.0833		94.8	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2604 - EPA 3545 ASE Extraction

LCS (B1J2604-BS1)

Prepared: 10/26/11 Analyzed: 10/27/11

gamma-BHC (Lindane)	0.0807	0.040	0.0021	mg/kg wet	0.0833		96.8	70-130			
gamma-Chlordane	0.0793	0.040	0.0021	mg/kg wet	0.0833		95.2	70-130			
Heptachlor	0.0787	0.040	0.0021	mg/kg wet	0.0833		94.4	70-130			
Heptachlor epoxide	0.0803	0.040	0.0020	mg/kg wet	0.0833		96.4	70-130			
Methoxychlor	0.0777	0.040	0.0021	mg/kg wet	0.0833		93.2	70-130			
Surrogate: Decachlorobiphenyl	0.0663			mg/kg wet	0.0667		99.5	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0653			mg/kg wet	0.0667		98.0	65.2-135			

Matrix Spike (B1J2604-MS1)

Source: 1105132-01

Prepared: 10/26/11 Analyzed: 10/29/11

4,4'-DDD	0.112	0.056	0.0028	mg/kg dry	0.118	<0.056	94.8	70-130			
4,4'-DDE	0.130	0.056	0.0028	mg/kg dry	0.118	<0.056	110	70-130			
4,4'-DDT	0.298	0.056	0.0028	mg/kg dry	0.118	<0.056	253	70-130			QM-05
Aldrin	0.118	0.056	0.0030	mg/kg dry	0.118	<0.056	100	70-130			
alpha-BHC	0.122	0.056	0.0028	mg/kg dry	0.118	<0.056	103	70-130			
alpha-Chlordane	0.117	0.056	0.0028	mg/kg dry	0.118	<0.056	99.2	70-130			
beta-BHC	0.114	0.056	0.0031	mg/kg dry	0.118	<0.056	96.8	70-130			
delta-BHC	0.103	0.056	0.0028	mg/kg dry	0.118	<0.056	87.6	70-130			
Dieldrin	0.129	0.056	0.0028	mg/kg dry	0.118	<0.056	110	70-130			
Endosulfan I	0.113	0.056	0.0031	mg/kg dry	0.118	<0.056	96.0	70-130			
Endosulfan II	0.109	0.056	0.0030	mg/kg dry	0.118	<0.056	92.4	70-130			
Endosulfan sulfate	0.132	0.056	0.0030	mg/kg dry	0.118	<0.056	112	70-130			
Endrin	0.120	0.056	0.0028	mg/kg dry	0.118	<0.056	102	70-130			
Endrin aldehyde	0.153	0.056	0.0020	mg/kg dry	0.118	<0.056	130	70-130			
Endrin ketone	0.109	0.056	0.0030	mg/kg dry	0.118	<0.056	92.8	70-130			
gamma-BHC (Lindane)	0.122	0.056	0.0030	mg/kg dry	0.118	<0.056	103	70-130			
gamma-Chlordane	0.119	0.056	0.0030	mg/kg dry	0.118	<0.056	101	70-130			
Heptachlor	0.116	0.056	0.0030	mg/kg dry	0.118	<0.056	98.4	70-130			
Heptachlor epoxide	0.130	0.056	0.0028	mg/kg dry	0.118	<0.056	110	70-130			
Methoxychlor	0.111	0.056	0.0030	mg/kg dry	0.118	<0.056	94.0	70-130			
Surrogate: Decachlorobiphenyl	0.0909			mg/kg dry	0.0942		96.5	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.102			mg/kg dry	0.0942		108	65.2-135			

Matrix Spike Dup (B1J2604-MSD1)

Source: 1105132-01

Prepared: 10/26/11 Analyzed: 10/29/11

4,4'-DDD	0.118	0.056	0.0028	mg/kg dry	0.118	<0.056	100	70-130	5.80	17.3	
4,4'-DDE	0.137	0.056	0.0028	mg/kg dry	0.118	<0.056	116	70-130	5.01	18.9	
4,4'-DDT	0.315	0.056	0.0028	mg/kg dry	0.118	<0.056	267	70-130	5.45	37.6	QM-05
Aldrin	0.128	0.056	0.0030	mg/kg dry	0.118	<0.056	108	70-130	7.73	26.6	
alpha-BHC	0.132	0.056	0.0028	mg/kg dry	0.118	<0.056	112	70-130	8.60	27.3	
alpha-Chlordane	0.127	0.056	0.0028	mg/kg dry	0.118	<0.056	108	70-130	8.19	17.2	
beta-BHC	0.125	0.056	0.0031	mg/kg dry	0.118	<0.056	106	70-130	9.14	24.7	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2604 - EPA 3545 ASE Extraction											
Matrix Spike Dup (B1J2604-MSD1)		Source: 1105132-01			Prepared: 10/26/11		Analyzed: 10/29/11				
delta-BHC	0.112	0.056	0.0028	mg/kg dry	0.118	<0.056	94.8	70-130	7.96	25.9	
Dieldrin	0.140	0.056	0.0028	mg/kg dry	0.118	<0.056	118	70-130	7.79	24.6	
Endosulfan I	0.123	0.056	0.0031	mg/kg dry	0.118	<0.056	105	70-130	8.83	18.2	
Endosulfan II	0.117	0.056	0.0030	mg/kg dry	0.118	<0.056	99.2	70-130	7.16	16.6	
Endosulfan sulfate	0.139	0.056	0.0030	mg/kg dry	0.118	<0.056	118	70-130	4.93	16.5	
Endrin	0.129	0.056	0.0028	mg/kg dry	0.118	<0.056	109	70-130	6.89	18.9	
Endrin aldehyde	0.151	0.056	0.0020	mg/kg dry	0.118	<0.056	128	70-130	1.48	17.9	
Endrin ketone	0.115	0.056	0.0030	mg/kg dry	0.118	<0.056	98.0	70-130	5.52	15.7	
gamma-BHC (Lindane)	0.131	0.056	0.0030	mg/kg dry	0.118	<0.056	111	70-130	7.17	27	
gamma-Chlordane	0.129	0.056	0.0030	mg/kg dry	0.118	<0.056	109	70-130	8.07	20	
Heptachlor	0.126	0.056	0.0030	mg/kg dry	0.118	<0.056	107	70-130	8.63	20.3	
Heptachlor epoxide	0.139	0.056	0.0028	mg/kg dry	0.118	<0.056	118	70-130	6.75	26.2	
Methoxychlor	0.117	0.056	0.0030	mg/kg dry	0.118	<0.056	99.2	70-130	5.45	20.2	
Surrogate: Decachlorobiphenyl	0.0980		mg/kg dry		0.0943		104	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.109		mg/kg dry		0.0943		116	65.2-135			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Blank (B1K0103-BLK1)

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Blank (B1K0103-BLK1)

Prepared & Analyzed: 11/01/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.04			mg/kg wet	6.67		75.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.36			mg/kg wet	6.67		65.4	53.9-97.9			
Surrogate: 2-Fluorophenol	4.23			mg/kg wet	6.67		63.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.33			mg/kg wet	6.67		65.0	48.9-100			
Surrogate: Phenol-d6	4.75			mg/kg wet	6.67		71.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.44			mg/kg wet	6.67		66.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

LCS (B1K0103-BS1)

Prepared: 11/01/11 Analyzed: 02/02/12

1,2,4-Trichlorobenzene	4.60	0.33	0.031	mg/kg wet	6.67		69.0	59.1-87.7			
1,4-Dichlorobenzene	4.02	0.33	0.029	mg/kg wet	6.67		60.2	50.3-72.9			
2,4-Dinitrotoluene	4.89	0.33	0.035	mg/kg wet	6.67		73.4	59.8-82.2			
2-Chlorophenol	4.50	0.67	0.060	mg/kg wet	6.67		67.5	59.7-77.3			
4-Chloro-3-methylphenol	4.92	0.67	0.066	mg/kg wet	6.67		73.7	63.6-80.4			
4-Nitrophenol	5.47	0.67	0.093	mg/kg wet	6.67		82.0	57.3-84.9			
Anthracene	4.75	0.33	0.036	mg/kg wet	6.67		71.3	67.3-88			
Benzo(a)anthracene	5.09	0.33	0.041	mg/kg wet	6.67		76.3	66.5-90.5			
Benzo(a)pyrene	4.99	0.33	0.042	mg/kg wet	6.67		74.8	66.1-89.7			
Chrysene	5.29	0.33	0.044	mg/kg wet	6.67		79.4	65.5-90.5			
Fluoranthene	4.57	0.33	0.039	mg/kg wet	6.67		68.5	66.7-89.9			
Fluorene	4.59	0.33	0.035	mg/kg wet	6.67		68.8	66.2-85.6			
N-Nitrosodi-n-propylamine	4.67	0.33	0.033	mg/kg wet	6.67		70.0	59.4-78			
Pentachlorophenol	4.56	0.67	0.078	mg/kg wet	6.67		68.3	46.7-83.2			
Phenanthrene	4.85	0.33	0.036	mg/kg wet	6.67		72.8	67.5-87.9			
Phenol	4.48	0.67	0.069	mg/kg wet	6.67		67.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.02			mg/kg wet	6.67		75.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.47			mg/kg wet	6.67		67.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.22			mg/kg wet	6.67		63.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.48			mg/kg wet	6.67		67.2	48.9-100			
Surrogate: Phenol-d6	4.09			mg/kg wet	6.67		61.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.45			mg/kg wet	6.67		66.7	51-99.6			

Matrix Spike (B1K0103-MS1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	5.17	0.38	0.036	mg/kg dry	7.76	<0.38	66.6	44.8-97.9			
1,4-Dichlorobenzene	4.48	0.38	0.033	mg/kg dry	7.76	<0.38	57.8	42.3-77.9			
2,4-Dinitrotoluene	5.87	0.38	0.040	mg/kg dry	7.76	<0.38	75.7	57.3-86.6			
2-Chlorophenol	4.82	0.77	0.069	mg/kg dry	7.76	<0.77	62.1	43.3-93.2			
4-Chloro-3-methylphenol	5.64	0.77	0.076	mg/kg dry	7.76	<0.77	72.6	47.1-97.6			
4-Nitrophenol	6.50	0.77	0.11	mg/kg dry	7.76	<0.77	83.8	49.3-96.2			
Anthracene	5.94	0.38	0.041	mg/kg dry	7.76	<0.38	76.5	67.5-93.1			
Benzo(a)anthracene	6.09	0.38	0.047	mg/kg dry	7.76	<0.38	78.4	59.8-95.7			
Benzo(a)pyrene	5.94	0.38	0.048	mg/kg dry	7.76	<0.38	76.5	59.8-92.7			
Chrysene	6.48	0.38	0.051	mg/kg dry	7.76	<0.38	83.4	62.5-94.6			
Fluoranthene	5.53	0.38	0.045	mg/kg dry	7.76	<0.38	71.2	61.3-92.8			
Fluorene	5.52	0.38	0.040	mg/kg dry	7.76	<0.38	71.2	62.8-92.6			
N-Nitrosodi-n-propylamine	5.39	0.38	0.038	mg/kg dry	7.76	<0.38	69.4	46.9-89.9			
Pentachlorophenol	6.30	0.77	0.090	mg/kg dry	7.76	<0.77	81.2	40.1-95.1			
Phenanthrene	6.02	0.38	0.041	mg/kg dry	7.76	<0.38	77.5	65.2-92.2			
Phenol	4.80	0.77	0.079	mg/kg dry	7.76	<0.77	61.8	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Matrix Spike (B1K0103-MS1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

Surrogate: 2,4,6-Tribromophenol	6.77			mg/kg dry	7.76		87.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.24			mg/kg dry	7.76		67.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.94			mg/kg dry	7.76		63.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.19			mg/kg dry	7.76		66.9	48.9-100			
Surrogate: Phenol-d6	5.34			mg/kg dry	7.76		68.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.43			mg/kg dry	7.76		69.9	51-99.6			

Matrix Spike Dup (B1K0103-MSD1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	4.99	0.38	0.036	mg/kg dry	7.70	<0.38	64.9	44.8-97.9	3.39	19.6	
1,4-Dichlorobenzene	4.32	0.38	0.033	mg/kg dry	7.70	<0.38	56.1	42.3-77.9	3.70	22.4	
2,4-Dinitrotoluene	5.75	0.38	0.040	mg/kg dry	7.70	<0.38	74.7	57.3-86.6	2.03	19.5	
2-Chlorophenol	4.70	0.77	0.069	mg/kg dry	7.70	<0.77	61.1	43.3-93.2	2.44	23.7	
4-Chloro-3-methylphenol	5.42	0.77	0.076	mg/kg dry	7.70	<0.77	70.4	47.1-97.6	3.93	18.3	
4-Nitrophenol	6.48	0.77	0.11	mg/kg dry	7.70	<0.77	84.1	49.3-96.2	0.356	20.4	
Anthracene	5.80	0.38	0.041	mg/kg dry	7.70	<0.38	75.3	67.5-93.1	2.44	19.9	
Benzo(a)anthracene	5.90	0.38	0.047	mg/kg dry	7.70	<0.38	76.7	59.8-95.7	3.02	23.4	
Benzo(a)pyrene	5.74	0.38	0.048	mg/kg dry	7.70	<0.38	74.6	59.8-92.7	3.34	21.1	
Chrysene	6.33	0.38	0.051	mg/kg dry	7.70	<0.38	82.2	62.5-94.6	2.30	24.8	
Fluoranthene	5.35	0.38	0.045	mg/kg dry	7.70	<0.38	69.5	61.3-92.8	3.24	21.8	
Fluorene	5.39	0.38	0.040	mg/kg dry	7.70	<0.38	70.0	62.8-92.6	2.54	17.6	
N-Nitrosodi-n-propylamine	5.27	0.38	0.038	mg/kg dry	7.70	<0.38	68.5	46.9-89.9	2.21	18.9	
Pentachlorophenol	6.24	0.77	0.090	mg/kg dry	7.70	<0.77	81.0	40.1-95.1	0.994	19.7	
Phenanthrene	5.82	0.38	0.041	mg/kg dry	7.70	<0.38	75.6	65.2-92.2	3.35	20.5	
Phenol	4.72	0.77	0.079	mg/kg dry	7.70	<0.77	61.3	44.7-91	1.61	17.9	
Surrogate: 2,4,6-Tribromophenol	6.53			mg/kg dry	7.70		84.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.11			mg/kg dry	7.70		66.4	53.9-97.9			
Surrogate: 2-Fluorophenol	4.74			mg/kg dry	7.70		61.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.08			mg/kg dry	7.70		66.0	48.9-100			
Surrogate: Phenol-d6	5.27			mg/kg dry	7.70		68.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.27			mg/kg dry	7.70		68.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2719 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2719-BLK1)

Prepared & Analyzed: 10/27/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2719 - EPA 5035 Soil (Purge and Trap)

Blank (B1J2719-BLK1)

Prepared & Analyzed: 10/27/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	0.127	1.0	0.058	mg/kg wet							J, B-02
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	0.348	2.0	0.12	mg/kg wet							J, B-02
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	50.4			ug/L	50.0		101	80-124			
Surrogate: Dibromofluoromethane	51.3			ug/L	50.0		103	77.1-123			
Surrogate: Toluene-d8	50.2			ug/L	50.0		100	78.1-125			

LCS (B1J2719-BS1)

Prepared & Analyzed: 10/27/11

1,1,2,2-Tetrachloroethane	50.0			ug/L	50.0		100	75-120			
1,1-Dichloroethane	49.4			ug/L	50.0		98.8	79.6-120			
1,1-Dichloroethene	49.8			ug/L	50.0		99.7	78.3-120			
1,3,5-Trimethylbenzene	51.9			ug/L	50.0		104	77-120			
1,4-Dichlorobenzene	50.4			ug/L	50.0		101	75-125			
2-Chlorotoluene	50.3			ug/L	50.0		101	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1J2719 - EPA 5035 Soil (Purge and Trap)

LCS (B1J2719-BS1)

Prepared & Analyzed: 10/27/11

Benzene	49.9			ug/L	50.0		99.8	80-120			
Bromoform	50.1			ug/L	50.0		100	80-120			
Chlorobenzene	49.5			ug/L	50.0		99.0	80-120			
Chloroform	49.4			ug/L	50.0		98.9	80-120			
Ethylbenzene	50.0			ug/L	50.0		100	80-120			
n-Butylbenzene	51.4			ug/L	50.0		103	75-125			
n-Propylbenzene	50.7			ug/L	50.0		101	75-120			
Toluene	51.4			ug/L	50.0		103	80-120			
Trichloroethene	49.3			ug/L	50.0		98.7	80-120			
Vinyl chloride	54.7			ug/L	50.0		109	75-130			
Surrogate: 4-Bromofluorobenzene	51.9			ug/L	50.0		104	80-124			
Surrogate: Dibromofluoromethane	52.5			ug/L	50.0		105	77.1-123			
Surrogate: Toluene-d8	52.2			ug/L	50.0		104	78.1-125			

Matrix Spike (B1J2719-MS1)

Source: 1105173-05

Prepared & Analyzed: 10/27/11

1,1,2,2-Tetrachloroethane	51.2			ug/L	50.0	<	102	75-125			
1,1-Dichloroethane	49.9			ug/L	50.0	<	99.8	78.7-123			
1,1-Dichloroethene	50.0			ug/L	50.0	<	99.9	75.8-121			
1,3,5-Trimethylbenzene	52.2			ug/L	50.0	<	104	75-120			
1,4-Dichlorobenzene	50.2			ug/L	50.0	<	100	75-125			
2-Chlorotoluene	50.5			ug/L	50.0	<	101	75-120			
Benzene	49.9			ug/L	50.0	<	99.8	80-120			
Bromoform	54.0			ug/L	50.0	<	108	80-120			
Chlorobenzene	52.0			ug/L	50.0	<	104	80-120			
Chloroform	50.3			ug/L	50.0	<	101	80-120			
Ethylbenzene	52.4			ug/L	50.0	<	105	80-120			
n-Butylbenzene	51.7			ug/L	50.0	<	103	73.8-125			
n-Propylbenzene	50.7			ug/L	50.0	<	101	75-120			
Toluene	51.2			ug/L	50.0	<	102	80-120			
Trichloroethene	50.1			ug/L	50.0	<	100	80-120			
Vinyl chloride	55.0			ug/L	50.0	<	110	74.8-130			
Surrogate: 4-Bromofluorobenzene	50.5			ug/L	50.0		101	80-124			
Surrogate: Dibromofluoromethane	51.5			ug/L	50.0		103	77.1-123			
Surrogate: Toluene-d8	51.5			ug/L	50.0		103	78.1-125			

Matrix Spike Dup (B1J2719-MSD1)

Source: 1105173-05

Prepared & Analyzed: 10/27/11

1,1,2,2-Tetrachloroethane	52.5			ug/L	50.0	<	105	75-125	2.48	20	
1,1-Dichloroethane	50.5			ug/L	50.0	<	101	78.7-123	1.34	20	
1,1-Dichloroethene	50.6			ug/L	50.0	<	101	75.8-121	1.32	20	
1,3,5-Trimethylbenzene	53.1			ug/L	50.0	<	106	75-120	1.62	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2719 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1J2719-MSD1)		Source: 1105173-05			Prepared & Analyzed: 10/27/11						
1,4-Dichlorobenzene	51.8			ug/L	50.0	<	104	75-125	3.03	20	
2-Chlorotoluene	51.3			ug/L	50.0	<	103	75-120	1.45	20	
Benzene	51.3			ug/L	50.0	<	103	80-120	2.71	20	
Bromoform	52.0			ug/L	50.0	<	104	80-120	3.79	20	
Chlorobenzene	51.2			ug/L	50.0	<	102	80-120	1.43	20	
Chloroform	50.9			ug/L	50.0	<	102	80-120	1.17	20	
Ethylbenzene	51.7			ug/L	50.0	<	103	80-120	1.28	20	
n-Butylbenzene	52.9			ug/L	50.0	<	106	73.8-125	2.24	20	
n-Propylbenzene	51.9			ug/L	50.0	<	104	75-120	2.30	20	
Toluene	53.2			ug/L	50.0	<	106	80-120	3.96	20	
Trichloroethene	50.8			ug/L	50.0	<	102	80-120	1.31	20	
Vinyl chloride	55.3			ug/L	50.0	<	111	74.8-130	0.501	20	
Surrogate: 4-Bromofluorobenzene	50.3			ug/L	50.0		101	80-124			
Surrogate: Dibromofluoromethane	51.1			ug/L	50.0		102	77.1-123			
Surrogate: Toluene-d8	51.6			ug/L	50.0		103	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105174 Date Reported: 11/02/11
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Notes and Definitions

V8	Calibration verification recovery was below the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
V7	Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.
T-1	MDH does not offer certification for this parameter.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
B-02	Target analyte was present in the method blank between the MDL and RL.
B-01	Analyte was present in the method blank. Sample result is less than or equal to 10 times the blank concentration.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)



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November 02, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105175
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/25/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

Handwritten signature of Bach Pham in black ink.

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Triet Le
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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
30SD-TT13_0.5-0.5	1105175-01	Soil	10/20/11 11:00	10/25/11 10:45
30SD-TT12_3-3	1105175-02	Soil	10/20/11 11:30	10/25/11 10:45
30SD-TT14_0.5-0.5	1105175-03	Soil	10/20/11 12:00	10/25/11 10:45
30SD-TT12_10-10	1105175-04	Soil	10/20/11 12:30	10/25/11 10:45
BSD-TT15_0.5-0.5	1105175-05	Soil	10/20/11 13:00	10/25/11 10:45
BSD-TT14A_7-7	1105175-06	Soil	10/20/11 13:30	10/25/11 10:45
BSD-TT16_0.5-0.5	1105175-07	Soil	10/20/11 14:00	10/25/11 10:45
30SD-TT17_0.5-0.5	1105175-08	Soil	10/24/11 08:00	10/25/11 10:45
30SD-TT18_0.5-0.5	1105175-09	Soil	10/24/11 08:30	10/25/11 10:45
30SD-TT19_0.5-0.5	1105175-10	Soil	10/24/11 09:00	10/25/11 10:45

Shipping Container Information

Default Cooler	Temperature (°C):	
Received on ice: Yes	Temperature blank was not present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: Yes		

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT13_0.5-0.5 (1105175-01) Soil Sampled: 10/20/11 11:00 Received: 10/25/11 10:45										
Arsenic	3.5	0.62	0.069	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	55	1.2	0.075	mg/kg dry	1	"	"	"	"	
Cadmium	<0.31	0.31	0.041	mg/kg dry	1	"	"	"	"	
Chromium	12	0.62	0.015	mg/kg dry	1	"	"	"	"	
Lead	6.8	1.2	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.024	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
30SD-TT12_3-3 (1105175-02) Soil Sampled: 10/20/11 11:30 Received: 10/25/11 10:45										
Arsenic	2.8	0.52	0.057	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	41	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	16	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	4.3	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
30SD-TT14_0.5-0.5 (1105175-03) Soil Sampled: 10/20/11 12:00 Received: 10/25/11 10:45										
Arsenic	2.3	0.58	0.064	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	25	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	7.5	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	3.2	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
30SD-TT12_10-10 (1105175-04) Soil Sampled: 10/20/11 12:30 Received: 10/25/11 10:45										
Arsenic	1.7	0.51	0.056	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	17	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	7.4	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.7	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.088	0.088	0.017	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
BSD-TT15_0.5-0.5 (1105175-05) Soil Sampled: 10/20/11 13:00 Received: 10/25/11 10:45										
Arsenic	3.9	0.56	0.061	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BSD-TT15_0.5-0.5 (1105175-05) Soil Sampled: 10/20/11 13:00 Received: 10/25/11 10:45										
Barium	65	1.1	0.067	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Cadmium	<0.28	0.28	0.037	mg/kg dry	1	"	"	"	"	
Chromium	13	0.56	0.013	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
BSD-TT14A_7-7 (1105175-06) Soil Sampled: 10/20/11 13:30 Received: 10/25/11 10:45										
Arsenic	2.4	0.51	0.056	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	21	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.6	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.8	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.093	0.093	0.018	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
BSD-TT16_0.5-0.5 (1105175-07) Soil Sampled: 10/20/11 14:00 Received: 10/25/11 10:45										
Arsenic	3.7	0.51	0.056	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	57	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.034	mg/kg dry	1	"	"	"	"	
Chromium	12	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	6.0	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.099	0.099	0.019	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
30SD-TT17_0.5-0.5 (1105175-08) Soil Sampled: 10/24/11 08:00 Received: 10/25/11 10:45										
Arsenic	4.1	0.51	0.056	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	63	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	12	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	6.0	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.018	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
30SD-TT18_0.5-0.5 (1105175-09) Soil Sampled: 10/24/11 08:30 Received: 10/25/11 10:45										
Arsenic	4.3	0.54	0.059	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	74	1.1	0.065	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT18_0.5-0.5 (1105175-09) Soil Sampled: 10/24/11 08:30 Received: 10/25/11 10:45										
Cadmium	<0.27	0.27	0.035	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Chromium	13	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	10	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
30SD-TT19_0.5-0.5 (1105175-10) Soil Sampled: 10/24/11 09:00 Received: 10/25/11 10:45										
Arsenic	4.5	0.55	0.060	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Barium	95	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	14	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	27	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1J2616	10/26/11	10/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1J2619	10/26/11	11/02/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT13_0.5-0.5 (1105175-01) Soil Sampled: 10/20/11 11:00 Received: 10/25/11 10:45										
% Solids	80			%	1	B1K0111	11/01/11	11/01/11	% calculation	
30SD-TT12_3-3 (1105175-02) Soil Sampled: 10/20/11 11:30 Received: 10/25/11 10:45										
% Solids	97			%	1	B1K0111	11/01/11	11/01/11	% calculation	
30SD-TT14_0.5-0.5 (1105175-03) Soil Sampled: 10/20/11 12:00 Received: 10/25/11 10:45										
% Solids	86			%	1	B1K0111	11/01/11	11/01/11	% calculation	
30SD-TT12_10-10 (1105175-04) Soil Sampled: 10/20/11 12:30 Received: 10/25/11 10:45										
% Solids	98			%	1	B1K0111	11/01/11	11/01/11	% calculation	
BSD-TT15_0.5-0.5 (1105175-05) Soil Sampled: 10/20/11 13:00 Received: 10/25/11 10:45										
% Solids	90			%	1	B1K0111	11/01/11	11/01/11	% calculation	
BSD-TT14A_7-7 (1105175-06) Soil Sampled: 10/20/11 13:30 Received: 10/25/11 10:45										
% Solids	98			%	1	B1K0111	11/01/11	11/01/11	% calculation	
BSD-TT16_0.5-0.5 (1105175-07) Soil Sampled: 10/20/11 14:00 Received: 10/25/11 10:45										
% Solids	93			%	1	B1K0111	11/01/11	11/01/11	% calculation	
30SD-TT17_0.5-0.5 (1105175-08) Soil Sampled: 10/24/11 08:00 Received: 10/25/11 10:45										
% Solids	94			%	1	B1K0111	11/01/11	11/01/11	% calculation	
30SD-TT18_0.5-0.5 (1105175-09) Soil Sampled: 10/24/11 08:30 Received: 10/25/11 10:45										
% Solids	93			%	1	B1K0111	11/01/11	11/01/11	% calculation	
30SD-TT19_0.5-0.5 (1105175-10) Soil Sampled: 10/24/11 09:00 Received: 10/25/11 10:45										
% Solids	91			%	1	B1K0111	11/01/11	11/01/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT13_0.5-0.5 (1105175-01) Soil Sampled: 10/20/11 11:00 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.036	0.41	0.036	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.046	0.84	0.046	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.094	0.84	0.094	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.84	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.075	0.84	0.075	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.11	0.84	0.11	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.040	0.84	0.040	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.19	2.0	0.19	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.034	0.41	0.034	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.042	0.84	0.042	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.082	0.84	0.082	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.034	0.84	0.034	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.048	0.41	0.048	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Aniline	<0.039	0.84	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Benzidine	<0.24	3.1	0.24	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT13_0.5-0.5 (1105175-01) Soil Sampled: 10/20/11 11:00 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.060	0.41	0.060	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
Benzoic acid	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.12	0.84	0.12	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.042	0.41	0.042	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.052	0.41	0.052	mg/kg dry	1	"	"	"	"	
Carbazole	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.054	0.41	0.054	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.055	0.41	0.055	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.060	0.41	0.060	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.049	0.41	0.049	mg/kg dry	1	"	"	"	"	
Fluorene	<0.044	0.41	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.030	0.41	0.030	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.41	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.050	0.41	0.050	mg/kg dry	1	"	"	"	"	
Isophorone	<0.039	0.41	0.039	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.028	0.41	0.028	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.041	0.41	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.032	0.41	0.032	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.098	0.84	0.098	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.045	0.41	0.045	mg/kg dry	1	"	"	"	"	
Phenol	<0.086	0.84	0.086	mg/kg dry	1	"	"	"	"	
Pyrene	<0.051	0.41	0.051	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	93.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	72.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	68.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT12_3-3 (1105175-02) Soil Sampled: 10/20/11 11:30 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	0.064	0.34	0.044	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT12_3-3 (1105175-02) Soil Sampled: 10/20/11 11:30 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	80.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	62.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	56.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	60.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	66.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	68.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT14_0.5-0.5 (1105175-03) Soil Sampled: 10/20/11 12:00 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.043	0.78	0.043	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.087	0.78	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.093	0.78	0.093	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.070	0.78	0.070	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.099	0.78	0.099	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.037	0.78	0.037	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.9	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.040	0.78	0.040	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.077	0.78	0.077	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.031	0.78	0.031	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.044	0.38	0.044	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Aniline	<0.036	0.78	0.036	mg/kg dry	1	"	"	"	"	
Anthracene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<0.22	2.9	0.22	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT14_0.5-0.5 (1105175-03) Soil Sampled: 10/20/11 12:00 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.056	0.38	0.056	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
Benzoic acid	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.78	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.040	0.38	0.040	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.049	0.38	0.049	mg/kg dry	1	"	"	"	"	
Carbazole	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.050	0.38	0.050	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.051	0.38	0.051	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.056	0.38	0.056	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.045	0.38	0.045	mg/kg dry	1	"	"	"	"	
Fluorene	<0.041	0.38	0.041	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.035	0.38	0.035	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Isophorone	<0.036	0.38	0.036	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.030	0.38	0.030	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.091	0.78	0.091	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.042	0.38	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.080	0.78	0.080	mg/kg dry	1	"	"	"	"	
Pyrene	<0.048	0.38	0.048	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	93.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	72.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	78.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT12_10-10 (1105175-04) Soil Sampled: 10/20/11 12:30 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT12_10-10 (1105175-04) Soil Sampled: 10/20/11 12:30 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	78.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	61.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	59.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	66.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT17_0.5-0.5 (1105175-08) Soil Sampled: 10/24/11 08:00 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT17_0.5-0.5 (1105175-08) Soil Sampled: 10/24/11 08:00 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	94.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	80.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT18_0.5-0.5 (1105175-09) Soil Sampled: 10/24/11 08:30 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.72	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.081	0.72	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.086	0.72	0.086	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.72	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.091	0.72	0.091	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.72	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.72	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.071	0.72	0.071	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.72	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT18_0.5-0.5 (1105175-09) Soil Sampled: 10/24/11 08:30 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.052	0.35	0.052	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.35	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.084	0.72	0.084	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.35	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.074	0.72	0.074	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	96.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.6			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	68.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT19_0.5-0.5 (1105175-10) Soil Sampled: 10/24/11 09:00 Received: 10/25/11 10:45										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30SD-TT19_0.5-0.5 (1105175-10) Soil Sampled: 10/24/11 09:00 Received: 10/25/11 10:45										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1K0103	11/01/11	11/01/11	EPA 8270C	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	93.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	77.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	65.3			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2616 - EPA 7471A											
Blank (B1J2616-BLK1)						Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1J2616-BS1)						Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	0.189	0.10	0.019	mg/kg wet	0.200		94.5	80-120			
LCS Dup (B1J2616-BSD1)						Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	0.170	0.10	0.019	mg/kg wet	0.200		85.0	80-120	10.6	20	
Matrix Spike (B1J2616-MS1)						Source: 1105173-01 Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	0.186	0.10	0.020	mg/kg dry	0.203	<0.10	92.0	75-125			
Matrix Spike Dup (B1J2616-MSD1)						Source: 1105173-01 Prepared: 10/26/11 Analyzed: 10/28/11					
Mercury	0.217	0.10	0.020	mg/kg dry	0.210	<0.10	104	75-125	15.3	20	
Batch B1J2619 - EPA 3050B											
Blank (B1J2619-BLK1)						Prepared: 10/26/11 Analyzed: 11/02/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1J2619-BS1)						Prepared: 10/26/11 Analyzed: 11/02/11					
Arsenic	39.9	0.50	0.055	mg/kg wet	39.9		100	80-120			
Barium	42.1	1.0	0.060	mg/kg wet	39.9		106	80-120			
Cadmium	40.4	0.25	0.033	mg/kg wet	39.9		101	80-120			
Chromium	40.8	0.50	0.012	mg/kg wet	39.9		102	80-120			
Lead	40.0	1.0	0.14	mg/kg wet	39.9		100	80-120			
Selenium	39.9	1.0	0.095	mg/kg wet	39.9		99.9	80-120			
Silver	4.06	0.25	0.016	mg/kg wet	3.99		102	80-120			
LCS Dup (B1J2619-BSD1)						Prepared: 10/26/11 Analyzed: 11/02/11					
Arsenic	40.2	0.50	0.055	mg/kg wet	39.9		101	80-120	0.787	20	
Barium	42.3	1.0	0.060	mg/kg wet	39.9		106	80-120	0.468	20	
Cadmium	40.5	0.25	0.033	mg/kg wet	39.9		102	80-120	0.453	20	
Chromium	40.9	0.50	0.012	mg/kg wet	39.9		103	80-120	0.408	20	
Lead	40.1	1.0	0.14	mg/kg wet	39.9		101	80-120	0.361	20	
Selenium	40.6	1.0	0.095	mg/kg wet	39.9		102	80-120	1.94	20	
Silver	4.09	0.25	0.016	mg/kg wet	3.99		102	80-120	0.613	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1J2619 - EPA 3050B											
Matrix Spike (B1J2619-MS1)		Source: 1105173-01			Prepared: 10/26/11		Analyzed: 11/02/11				
Arsenic	40.6	0.52	0.057	mg/kg dry	39.7	3.82	92.8	75-125			
Barium	95.0	1.0	0.062	mg/kg dry	39.7	56.7	96.5	75-125			
Cadmium	38.1	0.26	0.034	mg/kg dry	39.7	<0.26	95.6	75-125			
Chromium	51.4	0.52	0.012	mg/kg dry	39.7	11.9	99.5	75-125			
Lead	44.0	1.0	0.15	mg/kg dry	39.7	8.03	90.8	75-125			
Selenium	37.2	1.0	0.099	mg/kg dry	39.7	<1.0	93.9	75-125			
Silver	3.81	0.26	0.017	mg/kg dry	3.97	<0.26	96.1	75-125			
Matrix Spike Dup (B1J2619-MSD1)		Source: 1105173-01			Prepared: 10/26/11		Analyzed: 11/02/11				
Arsenic	42.3	0.52	0.057	mg/kg dry	40.8	3.82	94.2	75-125	4.03	20	
Barium	100	1.0	0.062	mg/kg dry	40.8	56.7	107	75-125	5.38	20	
Cadmium	39.1	0.26	0.034	mg/kg dry	40.8	<0.26	95.4	75-125	2.72	20	
Chromium	52.8	0.52	0.012	mg/kg dry	40.8	11.9	100	75-125	2.80	20	
Lead	44.9	1.0	0.15	mg/kg dry	40.8	8.03	90.2	75-125	1.82	20	
Selenium	38.7	1.0	0.099	mg/kg dry	40.8	<1.0	94.8	75-125	3.87	20	
Silver	3.96	0.26	0.017	mg/kg dry	4.08	<0.26	97.0	75-125	3.85	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1K0111 - General Preparation												
Duplicate (B1K0111-DUP1)							Source: 1105175-10					Prepared & Analyzed: 11/01/11
% Solids	91.0			%		91.0			0.00	20		
Duplicate (B1K0111-DUP2)							Source: 1105274-01					Prepared & Analyzed: 11/01/11
% Solids	95.0			%		95.0			0.00	20		
Duplicate (B1K0111-DUP3)							Source: 1105275-04					Prepared & Analyzed: 11/01/11
% Solids	98.0			%		97.0			1.03	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Blank (B1K0103-BLK1)

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Blank (B1K0103-BLK1)

Prepared & Analyzed: 11/01/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.04			mg/kg wet	6.67		75.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.36			mg/kg wet	6.67		65.4	53.9-97.9			
Surrogate: 2-Fluorophenol	4.23			mg/kg wet	6.67		63.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.33			mg/kg wet	6.67		65.0	48.9-100			
Surrogate: Phenol-d6	4.75			mg/kg wet	6.67		71.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.44			mg/kg wet	6.67		66.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

LCS (B1K0103-BS1)

Prepared: 11/01/11 Analyzed: 02/02/12

1,2,4-Trichlorobenzene	4.60	0.33	0.031	mg/kg wet	6.67		69.0	59.1-87.7			
1,4-Dichlorobenzene	4.02	0.33	0.029	mg/kg wet	6.67		60.2	50.3-72.9			
2,4-Dinitrotoluene	4.89	0.33	0.035	mg/kg wet	6.67		73.4	59.8-82.2			
2-Chlorophenol	4.50	0.67	0.060	mg/kg wet	6.67		67.5	59.7-77.3			
4-Chloro-3-methylphenol	4.92	0.67	0.066	mg/kg wet	6.67		73.7	63.6-80.4			
4-Nitrophenol	5.47	0.67	0.093	mg/kg wet	6.67		82.0	57.3-84.9			
Anthracene	4.75	0.33	0.036	mg/kg wet	6.67		71.3	67.3-88			
Benzo(a)anthracene	5.09	0.33	0.041	mg/kg wet	6.67		76.3	66.5-90.5			
Benzo(a)pyrene	4.99	0.33	0.042	mg/kg wet	6.67		74.8	66.1-89.7			
Chrysene	5.29	0.33	0.044	mg/kg wet	6.67		79.4	65.5-90.5			
Fluoranthene	4.57	0.33	0.039	mg/kg wet	6.67		68.5	66.7-89.9			
Fluorene	4.59	0.33	0.035	mg/kg wet	6.67		68.8	66.2-85.6			
N-Nitrosodi-n-propylamine	4.67	0.33	0.033	mg/kg wet	6.67		70.0	59.4-78			
Pentachlorophenol	4.56	0.67	0.078	mg/kg wet	6.67		68.3	46.7-83.2			
Phenanthrene	4.85	0.33	0.036	mg/kg wet	6.67		72.8	67.5-87.9			
Phenol	4.48	0.67	0.069	mg/kg wet	6.67		67.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.02			mg/kg wet	6.67		75.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.47			mg/kg wet	6.67		67.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.22			mg/kg wet	6.67		63.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.48			mg/kg wet	6.67		67.2	48.9-100			
Surrogate: Phenol-d6	4.09			mg/kg wet	6.67		61.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.45			mg/kg wet	6.67		66.7	51-99.6			

Matrix Spike (B1K0103-MS1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	5.17	0.38	0.036	mg/kg dry	7.76	<0.38	66.6	44.8-97.9			
1,4-Dichlorobenzene	4.48	0.38	0.033	mg/kg dry	7.76	<0.38	57.8	42.3-77.9			
2,4-Dinitrotoluene	5.87	0.38	0.040	mg/kg dry	7.76	<0.38	75.7	57.3-86.6			
2-Chlorophenol	4.82	0.77	0.069	mg/kg dry	7.76	<0.77	62.1	43.3-93.2			
4-Chloro-3-methylphenol	5.64	0.77	0.076	mg/kg dry	7.76	<0.77	72.6	47.1-97.6			
4-Nitrophenol	6.50	0.77	0.11	mg/kg dry	7.76	<0.77	83.8	49.3-96.2			
Anthracene	5.94	0.38	0.041	mg/kg dry	7.76	<0.38	76.5	67.5-93.1			
Benzo(a)anthracene	6.09	0.38	0.047	mg/kg dry	7.76	<0.38	78.4	59.8-95.7			
Benzo(a)pyrene	5.94	0.38	0.048	mg/kg dry	7.76	<0.38	76.5	59.8-92.7			
Chrysene	6.48	0.38	0.051	mg/kg dry	7.76	<0.38	83.4	62.5-94.6			
Fluoranthene	5.53	0.38	0.045	mg/kg dry	7.76	<0.38	71.2	61.3-92.8			
Fluorene	5.52	0.38	0.040	mg/kg dry	7.76	<0.38	71.2	62.8-92.6			
N-Nitrosodi-n-propylamine	5.39	0.38	0.038	mg/kg dry	7.76	<0.38	69.4	46.9-89.9			
Pentachlorophenol	6.30	0.77	0.090	mg/kg dry	7.76	<0.77	81.2	40.1-95.1			
Phenanthrene	6.02	0.38	0.041	mg/kg dry	7.76	<0.38	77.5	65.2-92.2			
Phenol	4.80	0.77	0.079	mg/kg dry	7.76	<0.77	61.8	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Matrix Spike (B1K0103-MS1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

Surrogate: 2,4,6-Tribromophenol	6.77			mg/kg dry	7.76		87.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.24			mg/kg dry	7.76		67.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.94			mg/kg dry	7.76		63.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.19			mg/kg dry	7.76		66.9	48.9-100			
Surrogate: Phenol-d6	5.34			mg/kg dry	7.76		68.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.43			mg/kg dry	7.76		69.9	51-99.6			

Matrix Spike Dup (B1K0103-MSD1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	4.99	0.38	0.036	mg/kg dry	7.70	<0.38	64.9	44.8-97.9	3.39	19.6	
1,4-Dichlorobenzene	4.32	0.38	0.033	mg/kg dry	7.70	<0.38	56.1	42.3-77.9	3.70	22.4	
2,4-Dinitrotoluene	5.75	0.38	0.040	mg/kg dry	7.70	<0.38	74.7	57.3-86.6	2.03	19.5	
2-Chlorophenol	4.70	0.77	0.069	mg/kg dry	7.70	<0.77	61.1	43.3-93.2	2.44	23.7	
4-Chloro-3-methylphenol	5.42	0.77	0.076	mg/kg dry	7.70	<0.77	70.4	47.1-97.6	3.93	18.3	
4-Nitrophenol	6.48	0.77	0.11	mg/kg dry	7.70	<0.77	84.1	49.3-96.2	0.356	20.4	
Anthracene	5.80	0.38	0.041	mg/kg dry	7.70	<0.38	75.3	67.5-93.1	2.44	19.9	
Benzo(a)anthracene	5.90	0.38	0.047	mg/kg dry	7.70	<0.38	76.7	59.8-95.7	3.02	23.4	
Benzo(a)pyrene	5.74	0.38	0.048	mg/kg dry	7.70	<0.38	74.6	59.8-92.7	3.34	21.1	
Chrysene	6.33	0.38	0.051	mg/kg dry	7.70	<0.38	82.2	62.5-94.6	2.30	24.8	
Fluoranthene	5.35	0.38	0.045	mg/kg dry	7.70	<0.38	69.5	61.3-92.8	3.24	21.8	
Fluorene	5.39	0.38	0.040	mg/kg dry	7.70	<0.38	70.0	62.8-92.6	2.54	17.6	
N-Nitrosodi-n-propylamine	5.27	0.38	0.038	mg/kg dry	7.70	<0.38	68.5	46.9-89.9	2.21	18.9	
Pentachlorophenol	6.24	0.77	0.090	mg/kg dry	7.70	<0.77	81.0	40.1-95.1	0.994	19.7	
Phenanthrene	5.82	0.38	0.041	mg/kg dry	7.70	<0.38	75.6	65.2-92.2	3.35	20.5	
Phenol	4.72	0.77	0.079	mg/kg dry	7.70	<0.77	61.3	44.7-91	1.61	17.9	
Surrogate: 2,4,6-Tribromophenol	6.53			mg/kg dry	7.70		84.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.11			mg/kg dry	7.70		66.4	53.9-97.9			
Surrogate: 2-Fluorophenol	4.74			mg/kg dry	7.70		61.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.08			mg/kg dry	7.70		66.0	48.9-100			
Surrogate: Phenol-d6	5.27			mg/kg dry	7.70		68.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.27			mg/kg dry	7.70		68.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105175 Date Reported: 11/02/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
J	Parameter was present between the MDL and RL and should be considered an estimated value
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)



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St Paul, MN 55103
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November 10, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105285
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/31/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

Handwritten signature of Bach Pham in black ink.

Bach Pham
Client Manager I
bpham@legend-group.com

Handwritten signature of Triet Le in black ink.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
303A-TT3_0.5-0.5	1105285-01	Soil	10/28/11 14:00	10/31/11 14:25
303A-TT3_9-9	1105285-02	Soil	10/28/11 14:30	10/31/11 14:25
303A-TT3_10-10	1105285-03	Soil	10/28/11 15:00	10/31/11 14:25
303A-SS12_0.5-0.5	1105285-04	Soil	10/28/11 13:15	10/31/11 14:25
303A-SS13_0.5-0.5	1105285-05	Soil	10/28/11 13:30	10/31/11 14:25
303A-SS14_0.5-0.5	1105285-06	Soil	10/28/11 13:45	10/31/11 14:25

Shipping Container Information

Default Cooler Temperature (°C): 1.3

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

The recovery for lead in the MS/MSD sample for batch B1K0301 was outside of the laboratory control limits due to the analyte concentration being disproportionate to the spike level. The LCS/LCSD samples and %RPDs were within limits. The MS/MSD source sample was 303A-TT3_0.5-0.5.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-TT3_0.5-0.5 (1105285-01) Soil Sampled: 10/28/11 14:00 Received: 10/31/11 14:25										
Arsenic	2.8	0.52	0.057	mg/kg dry	1	B1K0301	11/03/11	11/03/11	EPA 6010B	
Barium	26	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	10	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	1100	1.0	0.15	mg/kg dry	1	"	"	"	"	M3
Mercury	<0.089	0.089	0.017	mg/kg dry	1	B1K0410	11/04/11	11/07/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1K0301	11/03/11	11/03/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
303A-TT3_9-9 (1105285-02) Soil Sampled: 10/28/11 14:30 Received: 10/31/11 14:25										
Arsenic	2.5	0.52	0.057	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	
Barium	33	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	7.2	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	8400	1.0	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1K0410	11/04/11	11/07/11	EPA 7471A	
Selenium	<1.0	1.0	0.099	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	
Silver	0.39	0.26	0.017	mg/kg dry	1	"	"	"	"	
303A-TT3_10-10 (1105285-03) Soil Sampled: 10/28/11 15:00 Received: 10/31/11 14:25										
Arsenic	1.6	0.52	0.057	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	
Barium	22	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	5.4	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.2	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.020	mg/kg dry	1	B1K0410	11/04/11	11/07/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
303A-SS12_0.5-0.5 (1105285-04) Soil Sampled: 10/28/11 13:15 Received: 10/31/11 14:25										
Arsenic	5.2	0.55	0.060	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	
Barium	100	1.1	0.066	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	23	0.55	0.013	mg/kg dry	1	"	"	"	"	
Lead	14	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.021	mg/kg dry	1	B1K0410	11/04/11	11/07/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	
Silver	<0.27	0.27	0.018	mg/kg dry	1	"	"	"	"	
303A-SS13_0.5-0.5 (1105285-05) Soil Sampled: 10/28/11 13:30 Received: 10/31/11 14:25										
Arsenic	5.6	0.60	0.066	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-SS13_0.5-0.5 (1105285-05) Soil Sampled: 10/28/11 13:30 Received: 10/31/11 14:25										
Barium	130	1.2	0.072	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	15	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	19	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1K0410	11/04/11	11/07/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
303A-SS14_0.5-0.5 (1105285-06) Soil Sampled: 10/28/11 13:45 Received: 10/31/11 14:25										
Arsenic	6.6	0.57	0.062	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	
Barium	140	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	18	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	23	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1K0410	11/04/11	11/07/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-TT3_0.5-0.5 (1105285-01) Soil Sampled: 10/28/11 14:00 Received: 10/31/11 14:25										
% Solids	96			%	1	B1K0711	11/07/11	11/07/11	% calculation	
303A-TT3_9-9 (1105285-02) Soil Sampled: 10/28/11 14:30 Received: 10/31/11 14:25										
% Solids	96			%	1	B1K0711	11/07/11	11/07/11	% calculation	
303A-TT3_10-10 (1105285-03) Soil Sampled: 10/28/11 15:00 Received: 10/31/11 14:25										
% Solids	97			%	1	B1K0711	11/07/11	11/07/11	% calculation	
303A-SS12_0.5-0.5 (1105285-04) Soil Sampled: 10/28/11 13:15 Received: 10/31/11 14:25										
% Solids	91			%	1	B1K0711	11/07/11	11/07/11	% calculation	
303A-SS13_0.5-0.5 (1105285-05) Soil Sampled: 10/28/11 13:30 Received: 10/31/11 14:25										
% Solids	83			%	1	B1K0711	11/07/11	11/07/11	% calculation	
303A-SS14_0.5-0.5 (1105285-06) Soil Sampled: 10/28/11 13:45 Received: 10/31/11 14:25										
% Solids	88			%	1	B1K0711	11/07/11	11/07/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-TT3_9-9 (1105285-02) Soil Sampled: 10/28/11 14:30 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.70	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.078	0.70	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.083	0.70	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.70	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.70	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.70	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.70	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.70	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.70	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.097	0.70	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.70	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-TT3_9-9 (1105285-02) Soil Sampled: 10/28/11 14:30 Received: 10/31/11 14:25										
Benzo(k)fluoranthene	<0.050	0.34	0.050	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.099	0.70	0.099	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.34	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.050	0.34	0.050	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.081	0.70	0.081	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.34	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.072	0.70	0.072	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	86.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-TT3_10-10 (1105285-03) Soil Sampled: 10/28/11 15:00 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.69	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.69	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.69	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.062	0.69	0.062	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.088	0.69	0.088	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.69	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.69	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.068	0.69	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.69	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.096	0.69	0.096	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.69	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-TT3_10-10 (1105285-03) Soil Sampled: 10/28/11 15:00 Received: 10/31/11 14:25										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
Benzoic acid	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.098	0.69	0.098	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.34	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.34	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.69	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.071	0.69	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	89.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.4			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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ANIONS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
303A-TT3_0.5-0.5 (1105285-01) Soil Sampled: 10/28/11 14:00 Received: 10/31/11 14:25										
Sulfate as SO(4)	45	0.83	0.20	mg/kg dry	4	B1K0713	11/07/11	11/08/11	EPA 9056A	QM-05 T-2

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0301 - EPA 3050B

Blank (B1K0301-BLK1)

Prepared & Analyzed: 11/03/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1K0301-BS1)

Prepared & Analyzed: 11/03/11

Arsenic	41.2	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	41.3	1.0	0.060	mg/kg wet	39.9		103	80-120			
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120			
Chromium	41.3	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	40.6	1.0	0.14	mg/kg wet	39.9		102	80-120			
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.08	0.25	0.016	mg/kg wet	3.99		102	80-120			

LCS Dup (B1K0301-BSD1)

Prepared & Analyzed: 11/03/11

Arsenic	41.4	0.50	0.055	mg/kg wet	39.9		104	80-120	0.431	20	
Barium	42.0	1.0	0.060	mg/kg wet	39.9		105	80-120	1.65	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	0.0234	20	
Chromium	41.3	0.50	0.012	mg/kg wet	39.9		104	80-120	0.00568	20	
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120	0.244	20	
Selenium	41.8	1.0	0.095	mg/kg wet	39.9		105	80-120	2.05	20	
Silver	4.09	0.25	0.016	mg/kg wet	3.99		103	80-120	0.289	20	

Matrix Spike (B1K0301-MS1)

Source: 1105285-01

Prepared & Analyzed: 11/03/11

Arsenic	43.2	0.52	0.057	mg/kg dry	40.8	2.81	98.9	75-125			
Barium	68.4	1.0	0.062	mg/kg dry	40.8	26.2	103	75-125			
Cadmium	40.2	0.26	0.034	mg/kg dry	40.8	<0.26	98.3	75-125			
Chromium	50.4	0.52	0.012	mg/kg dry	40.8	10.4	98.0	75-125			
Lead	857	1.0	0.15	mg/kg dry	40.8	1100	NR	75-125			M3
Selenium	39.4	1.0	0.099	mg/kg dry	40.8	<1.0	96.6	75-125			
Silver	4.04	0.26	0.017	mg/kg dry	4.08	<0.26	99.0	75-125			

Matrix Spike Dup (B1K0301-MSD1)

Source: 1105285-01

Prepared & Analyzed: 11/03/11

Arsenic	42.9	0.52	0.057	mg/kg dry	40.1	2.81	100	75-125	0.586	20	
Barium	69.5	1.0	0.062	mg/kg dry	40.1	26.2	108	75-125	1.60	20	
Cadmium	39.6	0.26	0.034	mg/kg dry	40.1	<0.26	98.6	75-125	1.49	20	
Chromium	48.3	0.52	0.012	mg/kg dry	40.1	10.4	94.6	75-125	4.19	20	
Lead	802	1.0	0.15	mg/kg dry	40.1	1100	NR	75-125	6.65	20	M3
Selenium	38.6	1.0	0.099	mg/kg dry	40.1	<1.0	96.2	75-125	2.10	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0301 - EPA 3050B											
Matrix Spike Dup (B1K0301-MSD1)			Source: 1105285-01			Prepared & Analyzed: 11/03/11					
Silver	3.95	0.26	0.017	mg/kg dry	4.01	<0.26	98.5	75-125	2.34	20	
Batch B1K0410 - EPA 7471A											
Blank (B1K0410-BLK1)			Prepared: 11/04/11 Analyzed: 11/07/11								
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1K0410-BS1)			Prepared: 11/04/11 Analyzed: 11/07/11								
Mercury	0.194	0.10	0.019	mg/kg wet	0.200		97.0	80-120			
LCS Dup (B1K0410-BSD1)			Prepared: 11/04/11 Analyzed: 11/07/11								
Mercury	0.199	0.10	0.019	mg/kg wet	0.200		99.5	80-120	2.54	20	
Matrix Spike (B1K0410-MS1)			Source: 1105285-01			Prepared: 11/04/11 Analyzed: 11/07/11					
Mercury	0.195	0.096	0.018	mg/kg dry	0.192	<0.096	102	75-125			
Matrix Spike Dup (B1K0410-MSD1)			Source: 1105285-01			Prepared: 11/04/11 Analyzed: 11/07/11					
Mercury	0.216	0.10	0.020	mg/kg dry	0.208	<0.10	104	75-125	9.85	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0711 - General Preparation											
Duplicate (B1K0711-DUP1)							Source: 1105285-02		Prepared & Analyzed: 11/07/11		
% Solids	96.0			%		96.0			0.00	20	
Duplicate (B1K0711-DUP2)							Source: 1105291-02		Prepared & Analyzed: 11/07/11		
% Solids	90.0			%		89.0			1.12	20	
Duplicate (B1K0711-DUP3)							Source: 1105364-04		Prepared & Analyzed: 11/07/11		
% Solids	92.0			%		92.0			0.00	20	
Duplicate (B1K0711-DUP4)							Source: 1105374-01		Prepared & Analyzed: 11/07/11		
% Solids	90.0			%		90.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Blank (B1K0103-BLK1)

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Blank (B1K0103-BLK1)

Prepared & Analyzed: 11/01/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.04			mg/kg wet	6.67		75.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.36			mg/kg wet	6.67		65.4	53.9-97.9			
Surrogate: 2-Fluorophenol	4.23			mg/kg wet	6.67		63.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.33			mg/kg wet	6.67		65.0	48.9-100			
Surrogate: Phenol-d6	4.75			mg/kg wet	6.67		71.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.44			mg/kg wet	6.67		66.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

LCS (B1K0103-BS1)

Prepared: 11/01/11 Analyzed: 02/02/12

1,2,4-Trichlorobenzene	4.60	0.33	0.031	mg/kg wet	6.67		69.0	59.1-87.7			
1,4-Dichlorobenzene	4.02	0.33	0.029	mg/kg wet	6.67		60.2	50.3-72.9			
2,4-Dinitrotoluene	4.89	0.33	0.035	mg/kg wet	6.67		73.4	59.8-82.2			
2-Chlorophenol	4.50	0.67	0.060	mg/kg wet	6.67		67.5	59.7-77.3			
4-Chloro-3-methylphenol	4.92	0.67	0.066	mg/kg wet	6.67		73.7	63.6-80.4			
4-Nitrophenol	5.47	0.67	0.093	mg/kg wet	6.67		82.0	57.3-84.9			
Anthracene	4.75	0.33	0.036	mg/kg wet	6.67		71.3	67.3-88			
Benzo(a)anthracene	5.09	0.33	0.041	mg/kg wet	6.67		76.3	66.5-90.5			
Benzo(a)pyrene	4.99	0.33	0.042	mg/kg wet	6.67		74.8	66.1-89.7			
Chrysene	5.29	0.33	0.044	mg/kg wet	6.67		79.4	65.5-90.5			
Fluoranthene	4.57	0.33	0.039	mg/kg wet	6.67		68.5	66.7-89.9			
Fluorene	4.59	0.33	0.035	mg/kg wet	6.67		68.8	66.2-85.6			
N-Nitrosodi-n-propylamine	4.67	0.33	0.033	mg/kg wet	6.67		70.0	59.4-78			
Pentachlorophenol	4.56	0.67	0.078	mg/kg wet	6.67		68.3	46.7-83.2			
Phenanthrene	4.85	0.33	0.036	mg/kg wet	6.67		72.8	67.5-87.9			
Phenol	4.48	0.67	0.069	mg/kg wet	6.67		67.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.02			mg/kg wet	6.67		75.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.47			mg/kg wet	6.67		67.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.22			mg/kg wet	6.67		63.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.48			mg/kg wet	6.67		67.2	48.9-100			
Surrogate: Phenol-d6	4.09			mg/kg wet	6.67		61.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.45			mg/kg wet	6.67		66.7	51-99.6			

Matrix Spike (B1K0103-MS1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	5.17	0.38	0.036	mg/kg dry	7.76	<0.38	66.6	44.8-97.9			
1,4-Dichlorobenzene	4.48	0.38	0.033	mg/kg dry	7.76	<0.38	57.8	42.3-77.9			
2,4-Dinitrotoluene	5.87	0.38	0.040	mg/kg dry	7.76	<0.38	75.7	57.3-86.6			
2-Chlorophenol	4.82	0.77	0.069	mg/kg dry	7.76	<0.77	62.1	43.3-93.2			
4-Chloro-3-methylphenol	5.64	0.77	0.076	mg/kg dry	7.76	<0.77	72.6	47.1-97.6			
4-Nitrophenol	6.50	0.77	0.11	mg/kg dry	7.76	<0.77	83.8	49.3-96.2			
Anthracene	5.94	0.38	0.041	mg/kg dry	7.76	<0.38	76.5	67.5-93.1			
Benzo(a)anthracene	6.09	0.38	0.047	mg/kg dry	7.76	<0.38	78.4	59.8-95.7			
Benzo(a)pyrene	5.94	0.38	0.048	mg/kg dry	7.76	<0.38	76.5	59.8-92.7			
Chrysene	6.48	0.38	0.051	mg/kg dry	7.76	<0.38	83.4	62.5-94.6			
Fluoranthene	5.53	0.38	0.045	mg/kg dry	7.76	<0.38	71.2	61.3-92.8			
Fluorene	5.52	0.38	0.040	mg/kg dry	7.76	<0.38	71.2	62.8-92.6			
N-Nitrosodi-n-propylamine	5.39	0.38	0.038	mg/kg dry	7.76	<0.38	69.4	46.9-89.9			
Pentachlorophenol	6.30	0.77	0.090	mg/kg dry	7.76	<0.77	81.2	40.1-95.1			
Phenanthrene	6.02	0.38	0.041	mg/kg dry	7.76	<0.38	77.5	65.2-92.2			
Phenol	4.80	0.77	0.079	mg/kg dry	7.76	<0.77	61.8	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Matrix Spike (B1K0103-MS1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

Surrogate: 2,4,6-Tribromophenol	6.77			mg/kg dry	7.76		87.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.24			mg/kg dry	7.76		67.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.94			mg/kg dry	7.76		63.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.19			mg/kg dry	7.76		66.9	48.9-100			
Surrogate: Phenol-d6	5.34			mg/kg dry	7.76		68.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.43			mg/kg dry	7.76		69.9	51-99.6			

Matrix Spike Dup (B1K0103-MSD1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	4.99	0.38	0.036	mg/kg dry	7.70	<0.38	64.9	44.8-97.9	3.39	19.6	
1,4-Dichlorobenzene	4.32	0.38	0.033	mg/kg dry	7.70	<0.38	56.1	42.3-77.9	3.70	22.4	
2,4-Dinitrotoluene	5.75	0.38	0.040	mg/kg dry	7.70	<0.38	74.7	57.3-86.6	2.03	19.5	
2-Chlorophenol	4.70	0.77	0.069	mg/kg dry	7.70	<0.77	61.1	43.3-93.2	2.44	23.7	
4-Chloro-3-methylphenol	5.42	0.77	0.076	mg/kg dry	7.70	<0.77	70.4	47.1-97.6	3.93	18.3	
4-Nitrophenol	6.48	0.77	0.11	mg/kg dry	7.70	<0.77	84.1	49.3-96.2	0.356	20.4	
Anthracene	5.80	0.38	0.041	mg/kg dry	7.70	<0.38	75.3	67.5-93.1	2.44	19.9	
Benzo(a)anthracene	5.90	0.38	0.047	mg/kg dry	7.70	<0.38	76.7	59.8-95.7	3.02	23.4	
Benzo(a)pyrene	5.74	0.38	0.048	mg/kg dry	7.70	<0.38	74.6	59.8-92.7	3.34	21.1	
Chrysene	6.33	0.38	0.051	mg/kg dry	7.70	<0.38	82.2	62.5-94.6	2.30	24.8	
Fluoranthene	5.35	0.38	0.045	mg/kg dry	7.70	<0.38	69.5	61.3-92.8	3.24	21.8	
Fluorene	5.39	0.38	0.040	mg/kg dry	7.70	<0.38	70.0	62.8-92.6	2.54	17.6	
N-Nitrosodi-n-propylamine	5.27	0.38	0.038	mg/kg dry	7.70	<0.38	68.5	46.9-89.9	2.21	18.9	
Pentachlorophenol	6.24	0.77	0.090	mg/kg dry	7.70	<0.77	81.0	40.1-95.1	0.994	19.7	
Phenanthrene	5.82	0.38	0.041	mg/kg dry	7.70	<0.38	75.6	65.2-92.2	3.35	20.5	
Phenol	4.72	0.77	0.079	mg/kg dry	7.70	<0.77	61.3	44.7-91	1.61	17.9	
Surrogate: 2,4,6-Tribromophenol	6.53			mg/kg dry	7.70		84.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.11			mg/kg dry	7.70		66.4	53.9-97.9			
Surrogate: 2-Fluorophenol	4.74			mg/kg dry	7.70		61.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.08			mg/kg dry	7.70		66.0	48.9-100			
Surrogate: Phenol-d6	5.27			mg/kg dry	7.70		68.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.27			mg/kg dry	7.70		68.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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ANIONS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0713 - General Prep Dept 4											
Blank (B1K0713-BLK1)											
						Prepared: 11/07/11 Analyzed: 11/08/11					
Sulfate as SO(4)	< 0.20	0.20	0.048	mg/kg wet							
LCS (B1K0713-BS1)											
						Prepared: 11/07/11 Analyzed: 11/08/11					
Sulfate as SO(4)	12.2	0.20	0.048	mg/kg wet	12.0		102	80-120			
Duplicate (B1K0713-DUP1)											
						Source: 1105285-01 Prepared: 11/07/11 Analyzed: 11/08/11					
Sulfate as SO(4)	42.9	0.83	0.20	mg/kg dry		44.8			4.52	15	
Matrix Spike (B1K0713-MS1)											
						Source: 1105285-01 Prepared: 11/07/11 Analyzed: 11/08/11					
Sulfate as SO(4)	37.1	1.0	0.25	mg/kg dry	12.4	44.8	NR	80-120			QM-05

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 GOW East Project Manager: Ms. Andrea Nord	Work Order #: 1105285 Date Reported: 11/10/11
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Notes and Definitions

- T-2 MPCA does not require certification for this parameter.
- T-1 MDH does not offer certification for this parameter.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
- < Less than value listed
- dry Sample results reported on a dry weight basis
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
- MDL Method Detection Limit
- RL Reporting Limit
- RPD Relative Percent Difference
- LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
- MS Matrix Spike = Laboratory Fortified Matrix (LFM)

BARR Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1105285

Project Number: 23/19-1092-00 Y8R1 820
 Project Name: UMorex RI - GOW EAST
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: No 37103

Number of Containers/Preservative		COC																						
Water	Soil																							
		1 of 1																						
VOCs (unpreserved) #2 Dissolved Metals (HNO ₃) Total Metals (HNO ₃) General (unpreserved) #3 Diesel Range Organics (HCl) Nutrients (H ₂ SO ₄) #4		Project Manager: JME Project QC Contact: AAN Sampled by: KLB Laboratory: Legend																						
VOCs (tared MeOH) #1 GRO, BTEX, (tared MeOH) #1 DRO (tared unpreserved) Metals (unpreserved) SVOCs (unpreserved) #2 % Solids (plastic vial, unpres.) Sulfate		Total Number Of Containers																						
Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix	Type	QC	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX, (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Sulfate	Total Number Of Containers	Remarks	
1. 303A-TT3	0.5	0.5	ft	10/20/2011	1400	X	Y											X			Y	2	RCRA Metals, Sulfate	
2. 303A-TT3	9	9			1430	Y	X											X	Y			2	RCRA Metals, SVOCs	
3. 303A-TT3	10	10			1500	X	X											X	X			2	↓	
4. 303A-SS12	0.5	0.5			1315	X	X											Y				1	RCRA Metals	
5. 303A-SS13	0.5	0.5			1330	Y	X											X				1	↓	
6. 303A-SS14	0.5	0.5	↓	↓	1345	X	X											X				1	↓	
7.																								
8.																								
9.																								
10.																								

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
 H/Cust 1.32

Relinquished By: *West-Schmijer* On Ice: Y N: Y N: Date: 10/31/11 Time: 1200
 Received by: *LF* Date: 10/31/11 Time: 14:25
 Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____ Air Bill Number: _____

Distribution: White-Original Accompanies Shipper to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Legend Technical Services, Inc. The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

November 08, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105287
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/31/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "Bach Pham", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "Eric Warns", written over a horizontal line.

Eric Warns
Chemist I
ewarns@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105287 Date Reported: 11/08/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
706A-TT4_2-2	1105287-01	Soil	10/28/11 10:00	10/31/11 14:25
706A-SS7_0.5-0.5	1105287-02	Soil	10/28/11 10:15	10/31/11 14:25
706A-SS8_0.5-0.5	1105287-03	Soil	10/28/11 10:30	10/31/11 14:25
32T-TT3_3-3	1105287-04	Soil	10/28/11 11:00	10/31/11 14:25
32T-SS5_0.5-0.5	1105287-05	Soil	10/28/11 11:30	10/31/11 14:25
32T-SS6_0.5-0.5	1105287-06	Soil	10/28/11 11:45	10/31/11 14:25
32T-SS4_0.5-0.5	1105287-07	Soil	10/28/11 12:00	10/31/11 14:25

Shipping Container Information

Default Cooler Temperature (°C): 1.3

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105287 Date Reported: 11/08/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-TT4_2-2 (1105287-01) Soil Sampled: 10/28/11 10:00 Received: 10/31/11 14:25										
Arsenic	2.0	0.51	0.056	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Barium	26	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	8.1	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	1.7	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1K0411	11/04/11	11/07/11	EPA 7471A	
Selenium	<1.0	1.0	0.097	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	
706A-SS7_0.5-0.5 (1105287-02) Soil Sampled: 10/28/11 10:15 Received: 10/31/11 14:25										
Arsenic	5.8	0.58	0.064	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Barium	93	1.2	0.070	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.038	mg/kg dry	1	"	"	"	"	
Chromium	15	0.58	0.014	mg/kg dry	1	"	"	"	"	
Lead	16	1.2	0.16	mg/kg dry	1	"	"	"	"	
Mercury	4.4	1.1	0.21	mg/kg dry	10	B1K0411	11/04/11	11/08/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Silver	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
706A-SS8_0.5-0.5 (1105287-03) Soil Sampled: 10/28/11 10:30 Received: 10/31/11 14:25										
Arsenic	4.8	0.57	0.062	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Barium	80	1.1	0.068	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.038	mg/kg dry	1	"	"	"	"	
Chromium	12	0.57	0.014	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.16	mg/kg dry	1	"	"	"	"	
Mercury	1.7	0.48	0.092	mg/kg dry	5	B1K0411	11/04/11	11/08/11	EPA 7471A	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Silver	<0.28	0.28	0.018	mg/kg dry	1	"	"	"	"	
32T-TT3_3-3 (1105287-04) Soil Sampled: 10/28/11 11:00 Received: 10/31/11 14:25										
Arsenic	9.4	0.60	0.066	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Barium	140	1.2	0.072	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.040	mg/kg dry	1	"	"	"	"	
Chromium	21	0.60	0.014	mg/kg dry	1	"	"	"	"	
Lead	11	1.2	0.17	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.023	mg/kg dry	1	B1K0411	11/04/11	11/07/11	EPA 7471A	
Selenium	<1.2	1.2	0.11	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Silver	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
32T-SS5_0.5-0.5 (1105287-05) Soil Sampled: 10/28/11 11:30 Received: 10/31/11 14:25										
Arsenic	3.2	0.53	0.058	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105287 Date Reported: 11/08/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32T-SS5_0.5-0.5 (1105287-05) Soil Sampled: 10/28/11 11:30 Received: 10/31/11 14:25										
Barium	48	1.1	0.063	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	11	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	3.8	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1K0411	11/04/11	11/07/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
32T-SS6_0.5-0.5 (1105287-06) Soil Sampled: 10/28/11 11:45 Received: 10/31/11 14:25										
Arsenic	2.2	0.48	0.053	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Barium	28	0.96	0.058	mg/kg dry	1	"	"	"	"	
Cadmium	<0.24	0.24	0.032	mg/kg dry	1	"	"	"	"	
Chromium	7.3	0.48	0.012	mg/kg dry	1	"	"	"	"	
Lead	2.4	0.96	0.13	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1K0411	11/04/11	11/07/11	EPA 7471A	
Selenium	<0.96	0.96	0.091	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Silver	<0.24	0.24	0.015	mg/kg dry	1	"	"	"	"	
32T-SS4_0.5-0.5 (1105287-07) Soil Sampled: 10/28/11 12:00 Received: 10/31/11 14:25										
Arsenic	4.6	0.52	0.057	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Barium	31	1.0	0.062	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.034	mg/kg dry	1	"	"	"	"	
Chromium	7.8	0.52	0.012	mg/kg dry	1	"	"	"	"	
Lead	13	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.094	0.094	0.018	mg/kg dry	1	B1K0411	11/04/11	11/07/11	EPA 7471A	
Selenium	<1.0	1.0	0.098	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Silver	<0.26	0.26	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105287 Date Reported: 11/08/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
706A-TT4_2-2 (1105287-01) Soil Sampled: 10/28/11 10:00 Received: 10/31/11 14:25										
% Solids	98			%	1	B1K0805	11/08/11	11/08/11	% calculation	
706A-SS7_0.5-0.5 (1105287-02) Soil Sampled: 10/28/11 10:15 Received: 10/31/11 14:25										
% Solids	86			%	1	B1K0805	11/08/11	11/08/11	% calculation	
706A-SS8_0.5-0.5 (1105287-03) Soil Sampled: 10/28/11 10:30 Received: 10/31/11 14:25										
% Solids	88			%	1	B1K0805	11/08/11	11/08/11	% calculation	
32T-TT3_3-3 (1105287-04) Soil Sampled: 10/28/11 11:00 Received: 10/31/11 14:25										
% Solids	83			%	1	B1K0805	11/08/11	11/08/11	% calculation	
32T-SS5_0.5-0.5 (1105287-05) Soil Sampled: 10/28/11 11:30 Received: 10/31/11 14:25										
% Solids	95			%	1	B1K0805	11/08/11	11/08/11	% calculation	
32T-SS6_0.5-0.5 (1105287-06) Soil Sampled: 10/28/11 11:45 Received: 10/31/11 14:25										
% Solids	98			%	1	B1K0805	11/08/11	11/08/11	% calculation	
32T-SS4_0.5-0.5 (1105287-07) Soil Sampled: 10/28/11 12:00 Received: 10/31/11 14:25										
% Solids	97			%	1	B1K0805	11/08/11	11/08/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105287 Date Reported: 11/08/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0411 - EPA 7471A											
Blank (B1K0411-BLK1)						Prepared: 11/04/11 Analyzed: 11/07/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1K0411-BS1)						Prepared: 11/04/11 Analyzed: 11/07/11					
Mercury	0.200	0.10	0.019	mg/kg wet	0.200		100	80-120			
LCS Dup (B1K0411-BSD1)						Prepared: 11/04/11 Analyzed: 11/07/11					
Mercury	0.200	0.10	0.019	mg/kg wet	0.200		100	80-120	0.00	20	
Matrix Spike (B1K0411-MS1)						Source: 1105287-01 Prepared: 11/04/11 Analyzed: 11/07/11					
Mercury	0.194	0.096	0.018	mg/kg dry	0.191	<0.096	102	75-125			
Matrix Spike Dup (B1K0411-MSD1)						Source: 1105287-01 Prepared: 11/04/11 Analyzed: 11/07/11					
Mercury	0.195	0.096	0.018	mg/kg dry	0.193	<0.096	101	75-125	0.466	20	
Batch B1K0701 - EPA 3050B											
Blank (B1K0701-BLK1)						Prepared & Analyzed: 11/07/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1K0701-BS1)						Prepared & Analyzed: 11/07/11					
Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120			
Barium	41.0	1.0	0.060	mg/kg wet	39.9		103	80-120			
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120			
Chromium	41.1	0.50	0.012	mg/kg wet	39.9		103	80-120			
Lead	41.7	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	40.6	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.09	0.25	0.016	mg/kg wet	3.99		102	80-120			
LCS Dup (B1K0701-BSD1)						Prepared & Analyzed: 11/07/11					
Arsenic	40.6	0.50	0.055	mg/kg wet	39.9		102	80-120	0.417	20	
Barium	41.4	1.0	0.060	mg/kg wet	39.9		104	80-120	0.782	20	
Cadmium	40.9	0.25	0.033	mg/kg wet	39.9		102	80-120	0.314	20	
Chromium	41.3	0.50	0.012	mg/kg wet	39.9		104	80-120	0.549	20	
Lead	41.8	1.0	0.14	mg/kg wet	39.9		105	80-120	0.300	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		102	80-120	0.583	20	
Silver	4.15	0.25	0.016	mg/kg wet	3.99		104	80-120	1.64	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105287 Date Reported: 11/08/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0701 - EPA 3050B											
Matrix Spike (B1K0701-MS1)		Source: 1105287-01				Prepared & Analyzed: 11/07/11					
Arsenic	40.8	0.51	0.056	mg/kg dry	39.3	2.05	98.7	75-125			
Barium	60.0	1.0	0.061	mg/kg dry	39.3	26.2	86.0	75-125			
Cadmium	39.6	0.26	0.034	mg/kg dry	39.3	<0.26	101	75-125			
Chromium	47.1	0.51	0.012	mg/kg dry	39.3	8.08	99.3	75-125			
Lead	40.1	1.0	0.14	mg/kg dry	39.3	1.69	97.9	75-125			
Selenium	38.4	1.0	0.097	mg/kg dry	39.3	<1.0	97.8	75-125			
Silver	4.03	0.26	0.016	mg/kg dry	3.93	<0.26	103	75-125			
Matrix Spike Dup (B1K0701-MSD1)											
Matrix Spike Dup (B1K0701-MSD1)		Source: 1105287-01				Prepared & Analyzed: 11/07/11					
Arsenic	39.7	0.48	0.053	mg/kg dry	38.1	2.05	98.6	75-125	2.86	20	
Barium	60.2	0.96	0.057	mg/kg dry	38.1	26.2	88.9	75-125	0.231	20	
Cadmium	38.5	0.24	0.032	mg/kg dry	38.1	<0.24	101	75-125	2.96	20	
Chromium	45.6	0.48	0.011	mg/kg dry	38.1	8.08	98.4	75-125	3.19	20	
Lead	38.6	0.96	0.13	mg/kg dry	38.1	1.69	96.7	75-125	3.95	20	
Selenium	37.3	0.96	0.091	mg/kg dry	38.1	<0.96	97.9	75-125	2.81	20	
Silver	3.86	0.24	0.015	mg/kg dry	3.81	<0.24	101	75-125	4.44	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105287 Date Reported: 11/08/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1K0805 - General Preparation												
Duplicate (B1K0805-DUP1)							Source: 1105280-10					Prepared & Analyzed: 11/08/11
% Solids	83.0			%		82.0			1.21	20		
Duplicate (B1K0805-DUP2)							Source: 1105287-06					Prepared & Analyzed: 11/08/11
% Solids	98.0			%		98.0			0.00	20		
Duplicate (B1K0805-DUP3)							Source: 1105290-02					Prepared & Analyzed: 11/08/11
% Solids	88.0			%		87.0			1.14	20		
Duplicate (B1K0805-DUP4)							Source: 1105382-05					Prepared & Analyzed: 11/08/11
% Solids	82.0			%		82.0			0.00	20		
Duplicate (B1K0805-DUP5)							Source: 1105382-15					Prepared & Analyzed: 11/08/11
% Solids	99.0			%		99.0			0.00	20		
Duplicate (B1K0805-DUP6)							Source: 1105382-23					Prepared & Analyzed: 11/08/11
% Solids	83.0			%		83.0			0.00	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105287 Date Reported: 11/08/11
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Notes and Definitions

<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
 4700 West 77th Street
BARR Minneapolis, MN 55435-4803
 (952) 832-2600

1105287

Project Number: 23/19-1092.00 4&R1 820

Project Name: uMore R1 - ABC Line

Sample Origination State: MIN (use two letter postal state abbreviation)

COC Number: No 37134

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		Number of Containers/Preservative										Total Number Of Containers							
						Water	Soil	Grab	QC	VOCs (HCl) #1	VOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (Iared MeOH) #1	GRQ, BTEX (Iared MeOH) #1	DRO (Iared unpreserved)		Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)				
<u>1. 706A-TT4</u>	<u>2</u>	<u>2</u>	<u>ft</u>	<u>10/21/11</u>	<u>1000</u>	<u>X</u>		<u>X</u>																		<u>1</u>	<u>RCRA METALS</u>
<u>2. 706A-SS7</u>	<u>0.5</u>	<u>0.5</u>	<u>ft</u>		<u>1015</u>	<u>X</u>		<u>X</u>																		<u>1</u>	
<u>3. 706A-SS8</u>	<u>0.5</u>	<u>0.5</u>	<u>ft</u>		<u>1030</u>	<u>X</u>		<u>X</u>																		<u>1</u>	
<u>4. 32T-TT3</u>	<u>3</u>	<u>3</u>	<u>ft</u>		<u>1100</u>	<u>X</u>		<u>X</u>																		<u>1</u>	
<u>5. 32T-SS5</u>	<u>0.5</u>	<u>0.5</u>	<u>ft</u>		<u>1130</u>	<u>X</u>		<u>X</u>																		<u>1</u>	
<u>6. 32T-SS6</u>	<u>0.5</u>	<u>0.5</u>	<u>ft</u>	<u>Y</u>	<u>1145</u>	<u>X</u>		<u>X</u>																		<u>1</u>	<u>Y</u>
<u>7. 32T-SS4</u>	<u>0.5</u>	<u>0.5</u>	<u>ft</u>	<u>Y</u>	<u>1200</u>	<u>X</u>		<u>X</u>																		<u>1</u>	<u>Y</u>
8.																											
9.																											
10.																											

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

ft/cont. 132

Relinquished By: <u>Krist Salinger</u>	On Ice? <u>0</u>	Date: <u>10/31/11</u>	Time: <u>1100</u>	Received by:	Date:	Time:
Relinquished By:	On Ice? <u>Y</u>	Date:	Time:	Received by: <u>KC</u>	Date: <u>10/31/11</u>	Time: <u>14525</u>

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____

Air Bill Number:

Distribution: White-Original Accompanies Shipper to Lab; Yellow - Field Copy; Pink - Lab Coordinator

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

November 09, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105288
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/31/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

Handwritten signature of Bach Pham in black ink.

Bach Pham
Client Manager I
bpham@legend-group.com

Handwritten signature of Triet Le in black ink.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
501A2-TT2_5-5	1105288-01	Soil	10/28/11 08:00	10/31/11 14:25
M-1	1105288-02	Soil	10/28/11 00:00	10/31/11 14:25
501F1-TT7_0.5-0.5	1105288-03	Soil	10/28/11 13:00	10/31/11 14:25
501F1-TT8_0.5-0.5	1105288-04	Soil	10/28/11 12:30	10/31/11 14:25
501F1-TT10_0.5-0.5	1105288-05	Soil	10/28/11 12:45	10/31/11 14:25
U-PB6-TT1_12-12	1105288-06	Soil	10/28/11 16:30	10/31/11 14:25
M-2	1105288-07	Soil	10/28/11 00:00	10/31/11 14:25
Trip Blank	1105288-08	Methanol	10/24/11 00:00	10/31/11 14:25

Shipping Container Information

Default Cooler Temperature (°C): 1.3

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

The recovery for lead in the MS/MSD sample for batch B1K0301 was outside of the laboratory control limits due to the analyte concentration being disproportionate to the spike level. The LCS/LCSD samples and %RPDs were within limits. The MS/MSD source sample was not associated with this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB6-TT1_12-12 (1105288-06) Soil Sampled: 10/28/11 16:30 Received: 10/31/11 14:25										
Arsenic	3.3	0.53	0.058	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	
Barium	57	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	12	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	4.9	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.092	0.092	0.017	mg/kg dry	1	B1K0411	11/04/11	11/07/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	
M-2 (1105288-07) Soil Sampled: 10/28/11 00:00 Received: 10/31/11 14:25										
Arsenic	3.8	0.51	0.056	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	
Barium	66	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	13	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	5.2	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.099	0.099	0.019	mg/kg dry	1	B1K0411	11/04/11	11/07/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1K0301	11/03/11	11/07/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501F1-TT7_0.5-0.5 (1105288-03) Soil Sampled: 10/28/11 13:00 Received: 10/31/11 14:25										
Aroclor 1016	<0.21	0.21	0.0084	mg/kg dry	1	B1K0109	11/01/11	11/02/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0063	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	90.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	94.5			60.9-138 %		"	"	"	"	
501F1-TT8_0.5-0.5 (1105288-04) Soil Sampled: 10/28/11 12:30 Received: 10/31/11 14:25										
Aroclor 1016	<0.22	0.22	0.0085	mg/kg dry	1	B1K0109	11/01/11	11/02/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.22	0.22	0.0063	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	86.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	93.5			60.9-138 %		"	"	"	"	
501F1-TT10_0.5-0.5 (1105288-05) Soil Sampled: 10/28/11 12:45 Received: 10/31/11 14:25										
Aroclor 1016	<0.22	0.22	0.0085	mg/kg dry	1	B1K0109	11/01/11	11/02/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.22	0.22	0.0063	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	87.0			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	95.5			60.9-138 %		"	"	"	"	
U-PB6-TT1_12-12 (1105288-06) Soil Sampled: 10/28/11 16:30 Received: 10/31/11 14:25										
Aroclor 1016	<0.21	0.21	0.0083	mg/kg dry	1	B1K0109	11/01/11	11/02/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1260	<0.21	0.21	0.0062	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	85.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	88.5			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-TT2_5-5 (1105288-01) Soil Sampled: 10/28/11 08:00 Received: 10/31/11 14:25										
% Solids	98			%	1	B1K0805	11/08/11	11/08/11	% calculation	
M-1 (1105288-02) Soil Sampled: 10/28/11 00:00 Received: 10/31/11 14:25										
% Solids	99			%	1	B1K0805	11/08/11	11/08/11	% calculation	
501F1-TT7_0.5-0.5 (1105288-03) Soil Sampled: 10/28/11 13:00 Received: 10/31/11 14:25										
% Solids	94			%	1	B1K0805	11/08/11	11/08/11	% calculation	
501F1-TT8_0.5-0.5 (1105288-04) Soil Sampled: 10/28/11 12:30 Received: 10/31/11 14:25										
% Solids	93			%	1	B1K0805	11/08/11	11/08/11	% calculation	
501F1-TT10_0.5-0.5 (1105288-05) Soil Sampled: 10/28/11 12:45 Received: 10/31/11 14:25										
% Solids	93			%	1	B1K0805	11/08/11	11/08/11	% calculation	
U-PB6-TT1_12-12 (1105288-06) Soil Sampled: 10/28/11 16:30 Received: 10/31/11 14:25										
% Solids	95			%	1	B1K0805	11/08/11	11/08/11	% calculation	
M-2 (1105288-07) Soil Sampled: 10/28/11 00:00 Received: 10/31/11 14:25										
% Solids	94			%	1	B1K0805	11/08/11	11/08/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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PESTICIDES 8081A
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB6-TT1_12-12 (1105288-06) Soil Sampled: 10/28/11 16:30 Received: 10/31/11 14:25										
4,4'-DDD	<0.042	0.042	0.0021	mg/kg dry	1	B1K0104	11/01/11	11/02/11	EPA 8081A	
4,4'-DDE	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
4,4'-DDT	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
Aldrin	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
alpha-BHC	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
alpha-Chlordane	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
beta-BHC	<0.042	0.042	0.0023	mg/kg dry	1	"	"	"	"	
delta-BHC	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
Dieldrin	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
Endosulfan I	<0.042	0.042	0.0023	mg/kg dry	1	"	"	"	"	
Endosulfan II	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
Endosulfan sulfate	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
Endrin	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
Endrin aldehyde	<0.042	0.042	0.0015	mg/kg dry	1	"	"	"	"	
Endrin ketone	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
gamma-BHC (Lindane)	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
gamma-Chlordane	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
Heptachlor epoxide	<0.042	0.042	0.0021	mg/kg dry	1	"	"	"	"	
Methoxychlor	<0.042	0.042	0.0022	mg/kg dry	1	"	"	"	"	
Toxaphene	<0.084	0.084	0.017	mg/kg dry	1	"	"	"	"	
Surrogate: Decachlorobiphenyl	92.0			83.7-130 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	96.0			65.2-135 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-TT2_5-5 (1105288-01) Soil Sampled: 10/28/11 08:00 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.030	0.34	0.030	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.038	0.68	0.038	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.077	0.68	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.082	0.68	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.087	0.68	0.087	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.68	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.34	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.035	0.68	0.035	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.68	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.095	0.68	0.095	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.039	0.34	0.039	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
Anthracene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.6	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501A2-TT2_5-5 (1105288-01) Soil Sampled: 10/28/11 08:00 Received: 10/31/11 14:25										
Benzo(k)fluoranthene	<0.049	0.34	0.049	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
Benzoic acid	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.097	0.68	0.097	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.035	0.34	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.043	0.34	0.043	mg/kg dry	1	"	"	"	"	
Carbazole	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.044	0.34	0.044	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.34	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.049	0.34	0.049	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.040	0.34	0.040	mg/kg dry	1	"	"	"	"	
Fluorene	<0.036	0.34	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.34	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.031	0.34	0.031	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.041	0.34	0.041	mg/kg dry	1	"	"	"	"	
Isophorone	<0.032	0.34	0.032	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.34	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.34	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.34	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.080	0.68	0.080	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.037	0.34	0.037	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.042	0.34	0.042	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	85.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	75.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1105288-02) Soil Sampled: 10/28/11 00:00 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.33	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.037	0.68	0.037	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.076	0.68	0.076	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.081	0.68	0.081	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.061	0.68	0.061	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.086	0.68	0.086	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.68	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.15	1.6	0.15	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.027	0.33	0.027	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.034	0.68	0.034	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.067	0.68	0.067	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.027	0.68	0.027	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.094	0.68	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.33	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Aniline	<0.031	0.68	0.031	mg/kg dry	1	"	"	"	"	
Anthracene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Benzidine	<0.19	2.5	0.19	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1105288-02) Soil Sampled: 10/28/11 00:00 Received: 10/31/11 14:25										
Benzo(k)fluoranthene	<0.048	0.33	0.048	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
Benzoic acid	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.096	0.68	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.034	0.33	0.034	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.042	0.33	0.042	mg/kg dry	1	"	"	"	"	
Carbazole	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.043	0.33	0.043	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.33	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.048	0.33	0.048	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.039	0.33	0.039	mg/kg dry	1	"	"	"	"	
Fluorene	<0.035	0.33	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.024	0.33	0.024	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.33	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.040	0.33	0.040	mg/kg dry	1	"	"	"	"	
Isophorone	<0.031	0.33	0.031	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.022	0.33	0.022	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.33	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.026	0.33	0.026	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.079	0.68	0.079	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.036	0.33	0.036	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.68	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.041	0.33	0.041	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	75.4			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB6-TT1_12-12 (1105288-06) Soil Sampled: 10/28/11 16:30 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.079	0.71	0.079	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.084	0.71	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.063	0.71	0.063	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.089	0.71	0.089	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.069	0.71	0.069	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.028	0.71	0.028	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.098	0.71	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.6	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB6-TT1_12-12 (1105288-06) Soil Sampled: 10/28/11 16:30 Received: 10/31/11 14:25										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
Benzoic acid	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.042	0.35	0.042	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.082	0.71	0.082	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	91.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	71.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-2 (1105288-07) Soil Sampled: 10/28/11 00:00 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.039	0.71	0.039	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.080	0.71	0.080	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.085	0.71	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.064	0.71	0.064	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.090	0.71	0.090	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.034	0.71	0.034	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.036	0.71	0.036	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.070	0.71	0.070	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.71	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.099	0.71	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Aniline	<0.033	0.71	0.033	mg/kg dry	1	"	"	"	"	
Anthracene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Benzidine	<0.20	2.7	0.20	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-2 (1105288-07) Soil Sampled: 10/28/11 00:00 Received: 10/31/11 14:25										
Benzo(k)fluoranthene	<0.051	0.35	0.051	mg/kg dry	1	B1K0103	11/01/11	11/02/11	EPA 8270C	
Benzoic acid	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.71	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.036	0.35	0.036	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.045	0.35	0.045	mg/kg dry	1	"	"	"	"	
Carbazole	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.046	0.35	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.047	0.35	0.047	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.051	0.35	0.051	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.041	0.35	0.041	mg/kg dry	1	"	"	"	"	
Fluorene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.35	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.033	0.35	0.033	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.35	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.083	0.71	0.083	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.038	0.35	0.038	mg/kg dry	1	"	"	"	"	
Phenol	<0.073	0.71	0.073	mg/kg dry	1	"	"	"	"	
Pyrene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	90.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	71.0			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	81.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB6-TT1_12-12 (1105288-06) Soil Sampled: 10/28/11 16:30 Received: 10/31/11 14:25										
1,1,1,2-Tetrachloroethane	<0.076	0.32	0.076	mg/kg dry	1	B1K0204	11/01/11	11/01/11	EPA 8260B	
1,1,1-Trichloroethane	<0.041	0.32	0.041	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.044	0.32	0.044	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.088	0.32	0.088	mg/kg dry	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.030	0.32	0.030	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.032	0.32	0.032	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.079	0.65	0.079	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.031	0.32	0.031	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.035	0.65	0.035	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.023	0.32	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.089	0.65	0.089	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.028	0.32	0.028	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.026	0.32	0.026	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.035	0.32	0.035	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.040	0.32	0.040	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.026	0.32	0.026	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.028	0.32	0.028	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.022	0.32	0.022	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.077	0.65	0.077	mg/kg dry	1	"	"	"	"	
2-Butanone	<0.11	2.6	0.11	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.018	0.32	0.018	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
Acetone	<0.25	2.6	0.25	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.075	0.65	0.075	mg/kg dry	1	"	"	"	"	
Benzene	<0.019	0.32	0.019	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.035	0.32	0.035	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.048	0.32	0.048	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.035	0.32	0.035	mg/kg dry	1	"	"	"	"	
Bromoform	<0.035	0.65	0.035	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.14	0.65	0.14	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.044	0.32	0.044	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.025	0.32	0.025	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.048	0.32	0.048	mg/kg dry	1	"	"	"	"	
Chloroform	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.079	0.32	0.079	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.034	0.32	0.034	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-PB6-TT1_12-12 (1105288-06) Soil Sampled: 10/28/11 16:30 Received: 10/31/11 14:25										
cis-1,3-Dichloropropene	<0.028	0.32	0.028	mg/kg dry	1	B1K0204	11/01/11	11/01/11	EPA 8260B	
Dibromochloromethane	<0.044	0.32	0.044	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.037	0.32	0.037	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.13	0.65	0.13	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.049	0.32	0.049	mg/kg dry	1	"	"	"	"	T-1
Ethyl ether	<0.049	0.65	0.049	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.014	0.32	0.014	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.089	1.3	0.089	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.025	0.32	0.025	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.061	0.65	0.061	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.11	0.65	0.11	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.021	0.32	0.021	mg/kg dry	1	"	"	"	"	
Methylene chloride	<0.075	1.3	0.075	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.071	0.65	0.071	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.035	0.32	0.035	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.027	0.32	0.027	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.032	0.32	0.032	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.018	0.32	0.018	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.022	0.32	0.022	mg/kg dry	1	"	"	"	"	
Styrene	<0.026	0.32	0.026	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.023	0.32	0.023	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.036	0.32	0.036	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.15	2.6	0.15	mg/kg dry	1	"	"	"	"	T-1
Toluene	<0.021	0.32	0.021	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.039	0.32	0.039	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.030	0.32	0.030	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.053	0.32	0.053	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.045	0.32	0.045	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.084	0.32	0.084	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	102			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	103			78.1-125 %		"	"	"	"	

Trip Blank (1105288-08) Methanol Sampled: 10/24/11 00:00 Received: 10/31/11 14:25										
1,1,1,2-Tetrachloroethane	<0.059	0.25	0.059	mg/kg wet	1	B1K0204	11/01/11	11/01/11	EPA 8260B	
1,1,1-Trichloroethane	<0.032	0.25	0.032	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.068	0.25	0.068	mg/kg wet	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105288-08) Methanol Sampled: 10/24/11 00:00 Received: 10/31/11 14:25										
1,1-Dichloroethene	<0.025	0.25	0.025	mg/kg wet	1	B1K0204	11/01/11	11/01/11	EPA 8260B	
1,1-Dichloropropene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.061	0.50	0.061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.024	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.069	0.50	0.069	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.031	0.25	0.031	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.060	0.50	0.060	mg/kg wet	1	"	"	"	"	
2-Butanone	<0.088	2.0	0.088	mg/kg wet	1	"	"	"	"	
2-Chlorotoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
4-Chlorotoluene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Acetone	<0.19	2.0	0.19	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.058	0.50	0.058	mg/kg wet	1	"	"	"	"	
Benzene	<0.015	0.25	0.015	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
Bromoform	<0.027	0.50	0.027	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.11	0.50	0.11	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.037	0.25	0.037	mg/kg wet	1	"	"	"	"	
Chloroform	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.061	0.25	0.061	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.026	0.25	0.026	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.022	0.25	0.022	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.034	0.25	0.034	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.029	0.25	0.029	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.099	0.50	0.099	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.038	0.25	0.038	mg/kg wet	1	"	"	"	"	T-1
Ethyl ether	<0.038	0.50	0.038	mg/kg wet	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105288-08) Methanol Sampled: 10/24/11 00:00 Received: 10/31/11 14:25										
Ethylbenzene	<0.011	0.25	0.011	mg/kg wet	1	B1K0204	11/01/11	11/01/11	EPA 8260B	
Hexachlorobutadiene	<0.069	1.0	0.069	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.019	0.25	0.019	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.047	0.50	0.047	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.082	0.50	0.082	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	<0.058	1.0	0.058	mg/kg wet	1	"	"	"	"	
Naphthalene	<0.055	0.50	0.055	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.027	0.25	0.027	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.021	0.25	0.021	mg/kg wet	1	"	"	"	"	
o-Xylene	<0.025	0.25	0.025	mg/kg wet	1	"	"	"	"	
p-Isopropyltoluene	<0.014	0.25	0.014	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.017	0.25	0.017	mg/kg wet	1	"	"	"	"	
Styrene	<0.020	0.25	0.020	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.018	0.25	0.018	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.028	0.25	0.028	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.12	2.0	0.12	mg/kg wet	1	"	"	"	"	T-1
Toluene	<0.016	0.25	0.016	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.030	0.25	0.030	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.023	0.25	0.023	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.041	0.25	0.041	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.035	0.25	0.035	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.065	0.25	0.065	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.7			80-124 %		"	"	"	"	
Surrogate: Dibromofluoromethane	101			77.1-123 %		"	"	"	"	
Surrogate: Toluene-d8	99.0			78.1-125 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0301 - EPA 3050B

Blank (B1K0301-BLK1)

Prepared & Analyzed: 11/03/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1K0301-BS1)

Prepared & Analyzed: 11/03/11

Arsenic	41.2	0.50	0.055	mg/kg wet	39.9		103	80-120			
Barium	41.3	1.0	0.060	mg/kg wet	39.9		103	80-120			
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120			
Chromium	41.3	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	40.6	1.0	0.14	mg/kg wet	39.9		102	80-120			
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		103	80-120			
Silver	4.08	0.25	0.016	mg/kg wet	3.99		102	80-120			

LCS Dup (B1K0301-BSD1)

Prepared & Analyzed: 11/03/11

Arsenic	41.4	0.50	0.055	mg/kg wet	39.9		104	80-120	0.431	20	
Barium	42.0	1.0	0.060	mg/kg wet	39.9		105	80-120	1.65	20	
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120	0.0234	20	
Chromium	41.3	0.50	0.012	mg/kg wet	39.9		104	80-120	0.00568	20	
Lead	40.7	1.0	0.14	mg/kg wet	39.9		102	80-120	0.244	20	
Selenium	41.8	1.0	0.095	mg/kg wet	39.9		105	80-120	2.05	20	
Silver	4.09	0.25	0.016	mg/kg wet	3.99		103	80-120	0.289	20	

Matrix Spike (B1K0301-MS1)

Source: 1105285-01

Prepared & Analyzed: 11/03/11

Arsenic	43.2	0.52	0.057	mg/kg dry	40.8	2.81	98.9	75-125			
Barium	68.4	1.0	0.062	mg/kg dry	40.8	26.2	103	75-125			
Cadmium	40.2	0.26	0.034	mg/kg dry	40.8	<0.26	98.3	75-125			
Chromium	50.4	0.52	0.012	mg/kg dry	40.8	10.4	98.0	75-125			
Lead	857	1.0	0.15	mg/kg dry	40.8	1100	NR	75-125			M3
Selenium	39.4	1.0	0.099	mg/kg dry	40.8	<1.0	96.6	75-125			
Silver	4.04	0.26	0.017	mg/kg dry	4.08	<0.26	99.0	75-125			

Matrix Spike Dup (B1K0301-MSD1)

Source: 1105285-01

Prepared & Analyzed: 11/03/11

Arsenic	42.9	0.52	0.057	mg/kg dry	40.1	2.81	100	75-125	0.586	20	
Barium	69.5	1.0	0.062	mg/kg dry	40.1	26.2	108	75-125	1.60	20	
Cadmium	39.6	0.26	0.034	mg/kg dry	40.1	<0.26	98.6	75-125	1.49	20	
Chromium	48.3	0.52	0.012	mg/kg dry	40.1	10.4	94.6	75-125	4.19	20	
Lead	802	1.0	0.15	mg/kg dry	40.1	1100	NR	75-125	6.65	20	M3
Selenium	38.6	1.0	0.099	mg/kg dry	40.1	<1.0	96.2	75-125	2.10	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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**TOTAL METALS ANALYSIS - Quality Control
 Legend Technical Services, Inc.**

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0301 - EPA 3050B											
Matrix Spike Dup (B1K0301-MSD1) Source: 1105285-01 Prepared & Analyzed: 11/03/11											
Silver	3.95	0.26	0.017	mg/kg dry	4.01	<0.26	98.5	75-125	2.34	20	
Batch B1K0411 - EPA 7471A											
Blank (B1K0411-BLK1) Prepared: 11/04/11 Analyzed: 11/07/11											
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1K0411-BS1) Prepared: 11/04/11 Analyzed: 11/07/11											
Mercury	0.200	0.10	0.019	mg/kg wet	0.200		100	80-120			
LCS Dup (B1K0411-BSD1) Prepared: 11/04/11 Analyzed: 11/07/11											
Mercury	0.200	0.10	0.019	mg/kg wet	0.200		100	80-120	0.00	20	
Matrix Spike (B1K0411-MS1) Source: 1105287-01 Prepared: 11/04/11 Analyzed: 11/07/11											
Mercury	0.194	0.096	0.018	mg/kg dry	0.191	<0.096	102	75-125			
Matrix Spike Dup (B1K0411-MSD1) Source: 1105287-01 Prepared: 11/04/11 Analyzed: 11/07/11											
Mercury	0.195	0.096	0.018	mg/kg dry	0.193	<0.096	101	75-125	0.466	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0109 - EPA 3545 ASE Extraction											
Blank (B1K0109-BLK1)						Prepared & Analyzed: 11/01/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0620			mg/kg wet	0.0667		93.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0590			mg/kg wet	0.0667		88.5	60.9-138			
LCS (B1K0109-BS1)						Prepared: 11/01/11 Analyzed: 11/02/11					
Aroclor 1260	0.316	0.20	0.0059	mg/kg wet	0.333		94.9	70-130			
Surrogate: Decachlorobiphenyl	0.0567			mg/kg wet	0.0667		85.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0587			mg/kg wet	0.0667		88.0	60.9-138			
Matrix Spike (B1K0109-MS1)						Source: 1105288-04 Prepared: 11/01/11 Analyzed: 11/02/11					
Aroclor 1260	0.342	0.22	0.0063	mg/kg dry	0.365	<0.22	93.7	70-130			
Surrogate: Decachlorobiphenyl	0.0665			mg/kg dry	0.0730		91.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0632			mg/kg dry	0.0730		86.5	60.9-138			
Matrix Spike Dup (B1K0109-MSD1)						Source: 1105288-04 Prepared: 11/01/11 Analyzed: 11/02/11					
Aroclor 1260	0.335	0.22	0.0063	mg/kg dry	0.358	<0.22	93.4	70-130	2.27	17.2	
Surrogate: Decachlorobiphenyl	0.0655			mg/kg dry	0.0716		91.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0605			mg/kg dry	0.0716		84.5	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0805 - General Preparation											
Duplicate (B1K0805-DUP1)						Source: 1105280-10			Prepared & Analyzed: 11/08/11		
% Solids	83.0			%		82.0			1.21	20	
Duplicate (B1K0805-DUP2)						Source: 1105287-06			Prepared & Analyzed: 11/08/11		
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1K0805-DUP3)						Source: 1105290-02			Prepared & Analyzed: 11/08/11		
% Solids	88.0			%		87.0			1.14	20	
Duplicate (B1K0805-DUP4)						Source: 1105382-05			Prepared & Analyzed: 11/08/11		
% Solids	82.0			%		82.0			0.00	20	
Duplicate (B1K0805-DUP5)						Source: 1105382-15			Prepared & Analyzed: 11/08/11		
% Solids	99.0			%		99.0			0.00	20	
Duplicate (B1K0805-DUP6)						Source: 1105382-23			Prepared & Analyzed: 11/08/11		
% Solids	83.0			%		83.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0104 - EPA 3545 ASE Extraction

Blank (B1K0104-BLK1)

Prepared & Analyzed: 11/01/11

4,4'-DDD	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDE	< 0.040	0.040	0.0020	mg/kg wet							
4,4'-DDT	< 0.040	0.040	0.0020	mg/kg wet							
Aldrin	< 0.040	0.040	0.0021	mg/kg wet							
alpha-BHC	< 0.040	0.040	0.0020	mg/kg wet							
alpha-Chlordane	< 0.040	0.040	0.0020	mg/kg wet							
beta-BHC	< 0.040	0.040	0.0022	mg/kg wet							
delta-BHC	< 0.040	0.040	0.0020	mg/kg wet							
Dieldrin	< 0.040	0.040	0.0020	mg/kg wet							
Endosulfan I	< 0.040	0.040	0.0022	mg/kg wet							
Endosulfan II	< 0.040	0.040	0.0021	mg/kg wet							
Endosulfan sulfate	< 0.040	0.040	0.0021	mg/kg wet							
Endrin	< 0.040	0.040	0.0020	mg/kg wet							
Endrin aldehyde	< 0.040	0.040	0.0014	mg/kg wet							
Endrin ketone	< 0.040	0.040	0.0021	mg/kg wet							
gamma-BHC (Lindane)	< 0.040	0.040	0.0021	mg/kg wet							
gamma-Chlordane	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor	< 0.040	0.040	0.0021	mg/kg wet							
Heptachlor epoxide	< 0.040	0.040	0.0020	mg/kg wet							
Methoxychlor	< 0.040	0.040	0.0021	mg/kg wet							
Toxaphene	< 0.080	0.080	0.016	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0663			mg/kg wet	0.0667		99.5	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0617			mg/kg wet	0.0667		92.5	65.2-135			

LCS (B1K0104-BS1)

Prepared & Analyzed: 11/01/11

4,4'-DDD	0.0740	0.040	0.0020	mg/kg wet	0.0833		88.8	70-130			
4,4'-DDE	0.0730	0.040	0.0020	mg/kg wet	0.0833		87.6	70-130			
4,4'-DDT	0.0747	0.040	0.0020	mg/kg wet	0.0833		89.6	70-130			
Aldrin	0.0720	0.040	0.0021	mg/kg wet	0.0833		86.4	70-130			
alpha-BHC	0.0720	0.040	0.0020	mg/kg wet	0.0833		86.4	70-130			
alpha-Chlordane	0.0747	0.040	0.0020	mg/kg wet	0.0833		89.6	70-130			
beta-BHC	0.0713	0.040	0.0022	mg/kg wet	0.0833		85.6	70-130			
delta-BHC	0.0720	0.040	0.0020	mg/kg wet	0.0833		86.4	70-130			
Dieldrin	0.0727	0.040	0.0020	mg/kg wet	0.0833		87.2	70-130			
Endosulfan I	0.0723	0.040	0.0022	mg/kg wet	0.0833		86.8	70-130			
Endosulfan II	0.0730	0.040	0.0021	mg/kg wet	0.0833		87.6	70-130			
Endosulfan sulfate	0.0730	0.040	0.0021	mg/kg wet	0.0833		87.6	70-130			
Endrin	0.0750	0.040	0.0020	mg/kg wet	0.0833		90.0	70-130			
Endrin aldehyde	0.0880	0.040	0.0014	mg/kg wet	0.0833		106	70-130			
Endrin ketone	0.0730	0.040	0.0021	mg/kg wet	0.0833		87.6	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0104 - EPA 3545 ASE Extraction

LCS (B1K0104-BS1)

Prepared & Analyzed: 11/01/11

gamma-BHC (Lindane)	0.0720	0.040	0.0021	mg/kg wet	0.0833		86.4	70-130			
gamma-Chlordane	0.0723	0.040	0.0021	mg/kg wet	0.0833		86.8	70-130			
Heptachlor	0.0710	0.040	0.0021	mg/kg wet	0.0833		85.2	70-130			
Heptachlor epoxide	0.0723	0.040	0.0020	mg/kg wet	0.0833		86.8	70-130			
Methoxychlor	0.0723	0.040	0.0021	mg/kg wet	0.0833		86.8	70-130			
Surrogate: Decachlorobiphenyl	0.0607			mg/kg wet	0.0667		91.0	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0583			mg/kg wet	0.0667		87.5	65.2-135			

Matrix Spike (B1K0104-MS1)

Source: 1105288-06

Prepared: 11/01/11 Analyzed: 11/02/11

4,4'-DDD	0.0875	0.042	0.0021	mg/kg dry	0.0889	<0.042	98.4	70-130			
4,4'-DDE	0.0875	0.042	0.0021	mg/kg dry	0.0889	<0.042	98.4	70-130			
4,4'-DDT	0.0889	0.042	0.0021	mg/kg dry	0.0889	<0.042	100	70-130			
Aldrin	0.0878	0.042	0.0022	mg/kg dry	0.0889	<0.042	98.8	70-130			
alpha-BHC	0.0896	0.042	0.0021	mg/kg dry	0.0889	<0.042	101	70-130			
alpha-Chlordane	0.0896	0.042	0.0021	mg/kg dry	0.0889	<0.042	101	70-130			
beta-BHC	0.0871	0.042	0.0023	mg/kg dry	0.0889	<0.042	98.0	70-130			
delta-BHC	0.0836	0.042	0.0021	mg/kg dry	0.0889	<0.042	94.0	70-130			
Dieldrin	0.0871	0.042	0.0021	mg/kg dry	0.0889	<0.042	98.0	70-130			
Endosulfan I	0.0871	0.042	0.0023	mg/kg dry	0.0889	<0.042	98.0	70-130			
Endosulfan II	0.0864	0.042	0.0022	mg/kg dry	0.0889	<0.042	97.2	70-130			
Endosulfan sulfate	0.0861	0.042	0.0022	mg/kg dry	0.0889	<0.042	96.8	70-130			
Endrin	0.0903	0.042	0.0021	mg/kg dry	0.0889	<0.042	102	70-130			
Endrin aldehyde	0.109	0.042	0.0015	mg/kg dry	0.0889	<0.042	123	70-130			
Endrin ketone	0.0861	0.042	0.0022	mg/kg dry	0.0889	<0.042	96.8	70-130			
gamma-BHC (Lindane)	0.0893	0.042	0.0022	mg/kg dry	0.0889	<0.042	100	70-130			
gamma-Chlordane	0.0875	0.042	0.0022	mg/kg dry	0.0889	<0.042	98.4	70-130			
Heptachlor	0.0864	0.042	0.0022	mg/kg dry	0.0889	<0.042	97.2	70-130			
Heptachlor epoxide	0.0871	0.042	0.0021	mg/kg dry	0.0889	<0.042	98.0	70-130			
Methoxychlor	0.0846	0.042	0.0022	mg/kg dry	0.0889	<0.042	95.2	70-130			
Surrogate: Decachlorobiphenyl	0.0693			mg/kg dry	0.0711		97.5	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0704			mg/kg dry	0.0711		99.0	65.2-135			

Matrix Spike Dup (B1K0104-MSD1)

Source: 1105288-06

Prepared: 11/01/11 Analyzed: 11/02/11

4,4'-DDD	0.0886	0.042	0.0021	mg/kg dry	0.0893	<0.042	99.2	70-130	1.28	17.3	
4,4'-DDE	0.0886	0.042	0.0021	mg/kg dry	0.0893	<0.042	99.2	70-130	1.28	18.9	
4,4'-DDT	0.0904	0.042	0.0021	mg/kg dry	0.0893	<0.042	101	70-130	1.67	37.6	
Aldrin	0.0865	0.042	0.0022	mg/kg dry	0.0893	<0.042	96.8	70-130	1.57	26.6	
alpha-BHC	0.0868	0.042	0.0021	mg/kg dry	0.0893	<0.042	97.2	70-130	3.16	27.3	
alpha-Chlordane	0.0900	0.042	0.0021	mg/kg dry	0.0893	<0.042	101	70-130	0.474	17.2	
beta-BHC	0.0861	0.042	0.0023	mg/kg dry	0.0893	<0.042	96.4	70-130	1.17	24.7	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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PESTICIDES 8081A - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0104 - EPA 3545 ASE Extraction											
Matrix Spike Dup (B1K0104-MSD1)		Source: 1105288-06			Prepared: 11/01/11		Analyzed: 11/02/11				
delta-BHC	0.0818	0.042	0.0021	mg/kg dry	0.0893	<0.042	91.6	70-130	2.11	25.9	
Dieldrin	0.0875	0.042	0.0021	mg/kg dry	0.0893	<0.042	98.0	70-130	0.474	24.6	
Endosulfan I	0.0872	0.042	0.0023	mg/kg dry	0.0893	<0.042	97.6	70-130	0.0651	18.2	
Endosulfan II	0.0872	0.042	0.0022	mg/kg dry	0.0893	<0.042	97.6	70-130	0.885	16.6	
Endosulfan sulfate	0.0875	0.042	0.0022	mg/kg dry	0.0893	<0.042	98.0	70-130	1.71	16.5	
Endrin	0.0908	0.042	0.0021	mg/kg dry	0.0893	<0.042	102	70-130	0.474	18.9	
Endrin aldehyde	0.112	0.042	0.0015	mg/kg dry	0.0893	<0.042	125	70-130	2.41	17.9	
Endrin ketone	0.0875	0.042	0.0022	mg/kg dry	0.0893	<0.042	98.0	70-130	1.71	15.7	
gamma-BHC (Lindane)	0.0872	0.042	0.0022	mg/kg dry	0.0893	<0.042	97.6	70-130	2.35	27	
gamma-Chlordane	0.0875	0.042	0.0022	mg/kg dry	0.0893	<0.042	98.0	70-130	0.0668	20	
Heptachlor	0.0850	0.042	0.0022	mg/kg dry	0.0893	<0.042	95.2	70-130	1.60	20.3	
Heptachlor epoxide	0.0872	0.042	0.0021	mg/kg dry	0.0893	<0.042	97.6	70-130	0.0651	26.2	
Methoxychlor	0.0868	0.042	0.0022	mg/kg dry	0.0893	<0.042	97.2	70-130	2.55	20.2	
Surrogate: Decachlorobiphenyl	0.0715			mg/kg dry	0.0715		100	83.7-130			
Surrogate: Tetrachloro-meta-xylene	0.0686			mg/kg dry	0.0715		96.0	65.2-135			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Blank (B1K0103-BLK1)

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Blank (B1K0103-BLK1)

Prepared & Analyzed: 11/01/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.04			mg/kg wet	6.67		75.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.36			mg/kg wet	6.67		65.4	53.9-97.9			
Surrogate: 2-Fluorophenol	4.23			mg/kg wet	6.67		63.4	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.33			mg/kg wet	6.67		65.0	48.9-100			
Surrogate: Phenol-d6	4.75			mg/kg wet	6.67		71.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.44			mg/kg wet	6.67		66.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

LCS (B1K0103-BS1)

Prepared: 11/01/11 Analyzed: 02/02/12

1,2,4-Trichlorobenzene	4.60	0.33	0.031	mg/kg wet	6.67		69.0	59.1-87.7			
1,4-Dichlorobenzene	4.02	0.33	0.029	mg/kg wet	6.67		60.2	50.3-72.9			
2,4-Dinitrotoluene	4.89	0.33	0.035	mg/kg wet	6.67		73.4	59.8-82.2			
2-Chlorophenol	4.50	0.67	0.060	mg/kg wet	6.67		67.5	59.7-77.3			
4-Chloro-3-methylphenol	4.92	0.67	0.066	mg/kg wet	6.67		73.7	63.6-80.4			
4-Nitrophenol	5.47	0.67	0.093	mg/kg wet	6.67		82.0	57.3-84.9			
Anthracene	4.75	0.33	0.036	mg/kg wet	6.67		71.3	67.3-88			
Benzo(a)anthracene	5.09	0.33	0.041	mg/kg wet	6.67		76.3	66.5-90.5			
Benzo(a)pyrene	4.99	0.33	0.042	mg/kg wet	6.67		74.8	66.1-89.7			
Chrysene	5.29	0.33	0.044	mg/kg wet	6.67		79.4	65.5-90.5			
Fluoranthene	4.57	0.33	0.039	mg/kg wet	6.67		68.5	66.7-89.9			
Fluorene	4.59	0.33	0.035	mg/kg wet	6.67		68.8	66.2-85.6			
N-Nitrosodi-n-propylamine	4.67	0.33	0.033	mg/kg wet	6.67		70.0	59.4-78			
Pentachlorophenol	4.56	0.67	0.078	mg/kg wet	6.67		68.3	46.7-83.2			
Phenanthrene	4.85	0.33	0.036	mg/kg wet	6.67		72.8	67.5-87.9			
Phenol	4.48	0.67	0.069	mg/kg wet	6.67		67.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.02			mg/kg wet	6.67		75.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.47			mg/kg wet	6.67		67.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.22			mg/kg wet	6.67		63.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.48			mg/kg wet	6.67		67.2	48.9-100			
Surrogate: Phenol-d6	4.09			mg/kg wet	6.67		61.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.45			mg/kg wet	6.67		66.7	51-99.6			

Matrix Spike (B1K0103-MS1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	5.17	0.38	0.036	mg/kg dry	7.76	<0.38	66.6	44.8-97.9			
1,4-Dichlorobenzene	4.48	0.38	0.033	mg/kg dry	7.76	<0.38	57.8	42.3-77.9			
2,4-Dinitrotoluene	5.87	0.38	0.040	mg/kg dry	7.76	<0.38	75.7	57.3-86.6			
2-Chlorophenol	4.82	0.77	0.069	mg/kg dry	7.76	<0.77	62.1	43.3-93.2			
4-Chloro-3-methylphenol	5.64	0.77	0.076	mg/kg dry	7.76	<0.77	72.6	47.1-97.6			
4-Nitrophenol	6.50	0.77	0.11	mg/kg dry	7.76	<0.77	83.8	49.3-96.2			
Anthracene	5.94	0.38	0.041	mg/kg dry	7.76	<0.38	76.5	67.5-93.1			
Benzo(a)anthracene	6.09	0.38	0.047	mg/kg dry	7.76	<0.38	78.4	59.8-95.7			
Benzo(a)pyrene	5.94	0.38	0.048	mg/kg dry	7.76	<0.38	76.5	59.8-92.7			
Chrysene	6.48	0.38	0.051	mg/kg dry	7.76	<0.38	83.4	62.5-94.6			
Fluoranthene	5.53	0.38	0.045	mg/kg dry	7.76	<0.38	71.2	61.3-92.8			
Fluorene	5.52	0.38	0.040	mg/kg dry	7.76	<0.38	71.2	62.8-92.6			
N-Nitrosodi-n-propylamine	5.39	0.38	0.038	mg/kg dry	7.76	<0.38	69.4	46.9-89.9			
Pentachlorophenol	6.30	0.77	0.090	mg/kg dry	7.76	<0.77	81.2	40.1-95.1			
Phenanthrene	6.02	0.38	0.041	mg/kg dry	7.76	<0.38	77.5	65.2-92.2			
Phenol	4.80	0.77	0.079	mg/kg dry	7.76	<0.77	61.8	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0103 - EPA 3545 ASE Extraction

Matrix Spike (B1K0103-MS1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

Surrogate: 2,4,6-Tribromophenol	6.77			mg/kg dry	7.76		87.2	53-107			
Surrogate: 2-Fluorobiphenyl	5.24			mg/kg dry	7.76		67.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.94			mg/kg dry	7.76		63.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.19			mg/kg dry	7.76		66.9	48.9-100			
Surrogate: Phenol-d6	5.34			mg/kg dry	7.76		68.8	50.4-99.6			
Surrogate: Terphenyl-d14	5.43			mg/kg dry	7.76		69.9	51-99.6			

Matrix Spike Dup (B1K0103-MSD1)

Source: 1105172-03

Prepared & Analyzed: 11/01/11

1,2,4-Trichlorobenzene	4.99	0.38	0.036	mg/kg dry	7.70	<0.38	64.9	44.8-97.9	3.39	19.6	
1,4-Dichlorobenzene	4.32	0.38	0.033	mg/kg dry	7.70	<0.38	56.1	42.3-77.9	3.70	22.4	
2,4-Dinitrotoluene	5.75	0.38	0.040	mg/kg dry	7.70	<0.38	74.7	57.3-86.6	2.03	19.5	
2-Chlorophenol	4.70	0.77	0.069	mg/kg dry	7.70	<0.77	61.1	43.3-93.2	2.44	23.7	
4-Chloro-3-methylphenol	5.42	0.77	0.076	mg/kg dry	7.70	<0.77	70.4	47.1-97.6	3.93	18.3	
4-Nitrophenol	6.48	0.77	0.11	mg/kg dry	7.70	<0.77	84.1	49.3-96.2	0.356	20.4	
Anthracene	5.80	0.38	0.041	mg/kg dry	7.70	<0.38	75.3	67.5-93.1	2.44	19.9	
Benzo(a)anthracene	5.90	0.38	0.047	mg/kg dry	7.70	<0.38	76.7	59.8-95.7	3.02	23.4	
Benzo(a)pyrene	5.74	0.38	0.048	mg/kg dry	7.70	<0.38	74.6	59.8-92.7	3.34	21.1	
Chrysene	6.33	0.38	0.051	mg/kg dry	7.70	<0.38	82.2	62.5-94.6	2.30	24.8	
Fluoranthene	5.35	0.38	0.045	mg/kg dry	7.70	<0.38	69.5	61.3-92.8	3.24	21.8	
Fluorene	5.39	0.38	0.040	mg/kg dry	7.70	<0.38	70.0	62.8-92.6	2.54	17.6	
N-Nitrosodi-n-propylamine	5.27	0.38	0.038	mg/kg dry	7.70	<0.38	68.5	46.9-89.9	2.21	18.9	
Pentachlorophenol	6.24	0.77	0.090	mg/kg dry	7.70	<0.77	81.0	40.1-95.1	0.994	19.7	
Phenanthrene	5.82	0.38	0.041	mg/kg dry	7.70	<0.38	75.6	65.2-92.2	3.35	20.5	
Phenol	4.72	0.77	0.079	mg/kg dry	7.70	<0.77	61.3	44.7-91	1.61	17.9	
Surrogate: 2,4,6-Tribromophenol	6.53			mg/kg dry	7.70		84.8	53-107			
Surrogate: 2-Fluorobiphenyl	5.11			mg/kg dry	7.70		66.4	53.9-97.9			
Surrogate: 2-Fluorophenol	4.74			mg/kg dry	7.70		61.6	42.5-94.9			
Surrogate: Nitrobenzene-d5	5.08			mg/kg dry	7.70		66.0	48.9-100			
Surrogate: Phenol-d6	5.27			mg/kg dry	7.70		68.4	50.4-99.6			
Surrogate: Terphenyl-d14	5.27			mg/kg dry	7.70		68.5	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0204 - EPA 5035 Soil (Purge and Trap)

Blank (B1K0204-BLK1)

Prepared & Analyzed: 11/01/11

1,1,1,2-Tetrachloroethane	< 0.059	0.25	0.059	mg/kg wet							
1,1,1-Trichloroethane	< 0.032	0.25	0.032	mg/kg wet							
1,1,2,2-Tetrachloroethane	< 0.026	0.25	0.026	mg/kg wet							
1,1,2-Trichloroethane	< 0.034	0.25	0.034	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	< 0.068	0.25	0.068	mg/kg wet							
1,1-Dichloroethane	< 0.023	0.25	0.023	mg/kg wet							
1,1-Dichloroethene	< 0.025	0.25	0.025	mg/kg wet							
1,1-Dichloropropene	< 0.021	0.25	0.021	mg/kg wet							
1,2,3-Trichlorobenzene	< 0.061	0.50	0.061	mg/kg wet							
1,2,3-Trichloropropane	< 0.024	0.25	0.024	mg/kg wet							
1,2,4-Trichlorobenzene	< 0.027	0.50	0.027	mg/kg wet							
1,2,4-Trimethylbenzene	< 0.018	0.25	0.018	mg/kg wet							
1,2-Dibromo-3-chloropropane	< 0.069	0.50	0.069	mg/kg wet							
1,2-Dibromoethane (EDB)	< 0.022	0.25	0.022	mg/kg wet							
1,2-Dichlorobenzene	< 0.020	0.25	0.020	mg/kg wet							
1,2-Dichloroethane	< 0.027	0.25	0.027	mg/kg wet							
1,2-Dichloropropane	< 0.031	0.25	0.031	mg/kg wet							
1,3,5-Trimethylbenzene	< 0.020	0.25	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.026	0.25	0.026	mg/kg wet							
1,3-Dichloropropane	< 0.022	0.25	0.022	mg/kg wet							
1,4-Dichlorobenzene	< 0.017	0.25	0.017	mg/kg wet							
2,2-Dichloropropane	< 0.060	0.50	0.060	mg/kg wet							
2-Butanone	< 0.088	2.0	0.088	mg/kg wet							
2-Chlorotoluene	< 0.014	0.25	0.014	mg/kg wet							
4-Chlorotoluene	< 0.021	0.25	0.021	mg/kg wet							
Acetone	< 0.19	2.0	0.19	mg/kg wet							
Allyl chloride	< 0.058	0.50	0.058	mg/kg wet							
Benzene	< 0.015	0.25	0.015	mg/kg wet							
Bromobenzene	< 0.027	0.25	0.027	mg/kg wet							
Bromochloromethane	< 0.037	0.25	0.037	mg/kg wet							
Bromodichloromethane	< 0.027	0.25	0.027	mg/kg wet							
Bromoform	< 0.027	0.50	0.027	mg/kg wet							
Bromomethane	< 0.11	0.50	0.11	mg/kg wet							
Carbon tetrachloride	< 0.034	0.25	0.034	mg/kg wet							
Chlorobenzene	< 0.019	0.25	0.019	mg/kg wet							
Chloroethane	< 0.037	0.25	0.037	mg/kg wet							
Chloroform	< 0.021	0.25	0.021	mg/kg wet							
Chloromethane	< 0.061	0.25	0.061	mg/kg wet							
cis-1,2-Dichloroethene	< 0.026	0.25	0.026	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0204 - EPA 5035 Soil (Purge and Trap)

Blank (B1K0204-BLK1)

Prepared & Analyzed: 11/01/11

cis-1,3-Dichloropropene	< 0.022	0.25	0.022	mg/kg wet							
Dibromochloromethane	< 0.034	0.25	0.034	mg/kg wet							
Dibromomethane	< 0.029	0.25	0.029	mg/kg wet							
Dichlorodifluoromethane	< 0.099	0.50	0.099	mg/kg wet							
Dichlorofluoromethane	< 0.038	0.25	0.038	mg/kg wet							
Ethyl ether	< 0.038	0.50	0.038	mg/kg wet							
Ethylbenzene	< 0.011	0.25	0.011	mg/kg wet							
Hexachlorobutadiene	< 0.069	1.0	0.069	mg/kg wet							
Isopropylbenzene	< 0.019	0.25	0.019	mg/kg wet							
m,p-Xylene	< 0.047	0.50	0.047	mg/kg wet							
Methyl isobutyl ketone	< 0.082	0.50	0.082	mg/kg wet							
Methyl tert-butyl ether	< 0.016	0.25	0.016	mg/kg wet							
Methylene chloride	< 0.058	1.0	0.058	mg/kg wet							
Naphthalene	< 0.055	0.50	0.055	mg/kg wet							
n-Butylbenzene	< 0.027	0.25	0.027	mg/kg wet							
n-Propylbenzene	< 0.021	0.25	0.021	mg/kg wet							
o-Xylene	< 0.025	0.25	0.025	mg/kg wet							
p-Isopropyltoluene	< 0.014	0.25	0.014	mg/kg wet							
sec-Butylbenzene	< 0.017	0.25	0.017	mg/kg wet							
Styrene	< 0.020	0.25	0.020	mg/kg wet							
tert-Butylbenzene	< 0.018	0.25	0.018	mg/kg wet							
Tetrachloroethene	< 0.028	0.25	0.028	mg/kg wet							
Tetrahydrofuran	< 0.12	2.0	0.12	mg/kg wet							
Toluene	< 0.016	0.25	0.016	mg/kg wet							
trans-1,2-Dichloroethene	< 0.030	0.25	0.030	mg/kg wet							
trans-1,3-Dichloropropene	< 0.023	0.25	0.023	mg/kg wet							
Trichloroethene	< 0.041	0.25	0.041	mg/kg wet							
Trichlorofluoromethane	< 0.035	0.25	0.035	mg/kg wet							
Vinyl chloride	< 0.065	0.25	0.065	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	48.7			ug/L	50.0		97.4	80-124			
Surrogate: Dibromofluoromethane	50.1			ug/L	50.0		100	77.1-123			
Surrogate: Toluene-d8	49.6			ug/L	50.0		99.2	78.1-125			

LCS (B1K0204-BS1)

Prepared & Analyzed: 11/01/11

1,1,2,2-Tetrachloroethane	48.9			ug/L	50.0		97.9	75-120			
1,1-Dichloroethane	49.7			ug/L	50.0		99.3	79.6-120			
1,1-Dichloroethene	45.7			ug/L	50.0		91.3	78.3-120			
1,3,5-Trimethylbenzene	49.6			ug/L	50.0		99.2	77-120			
1,4-Dichlorobenzene	49.4			ug/L	50.0		98.8	75-125			
2-Chlorotoluene	48.9			ug/L	50.0		97.8	75.9-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0204 - EPA 5035 Soil (Purge and Trap)

LCS (B1K0204-BS1)

Prepared & Analyzed: 11/01/11

Benzene	50.1			ug/L	50.0		100	80-120			
Bromoform	51.4			ug/L	50.0		103	80-120			
Chlorobenzene	51.8			ug/L	50.0		104	80-120			
Chloroform	47.7			ug/L	50.0		95.4	80-120			
Ethylbenzene	51.9			ug/L	50.0		104	80-120			
n-Butylbenzene	52.4			ug/L	50.0		105	75-125			
n-Propylbenzene	50.3			ug/L	50.0		101	75-120			
Toluene	51.9			ug/L	50.0		104	80-120			
Trichloroethene	49.1			ug/L	50.0		98.2	80-120			
Vinyl chloride	55.6			ug/L	50.0		111	75-130			
Surrogate: 4-Bromofluorobenzene	50.9			ug/L	50.0		102	80-124			
Surrogate: Dibromofluoromethane	50.4			ug/L	50.0		101	77.1-123			
Surrogate: Toluene-d8	51.0			ug/L	50.0		102	78.1-125			

Matrix Spike (B1K0204-MS1)

Source: 1105283-01

Prepared & Analyzed: 11/01/11

1,1,2,2-Tetrachloroethane	49.0			ug/L	50.0	<	97.9	75-125			
1,1-Dichloroethane	48.7			ug/L	50.0	<	97.4	78.7-123			
1,1-Dichloroethene	46.5			ug/L	50.0	<	93.0	75.8-121			
1,3,5-Trimethylbenzene	48.5			ug/L	50.0	<	97.0	75-120			
1,4-Dichlorobenzene	48.8			ug/L	50.0	<	97.5	75-125			
2-Chlorotoluene	47.9			ug/L	50.0	<	95.8	75-120			
Benzene	48.6			ug/L	50.0	<	97.3	80-120			
Bromoform	50.3			ug/L	50.0	<	101	80-120			
Chlorobenzene	49.4			ug/L	50.0	<	98.7	80-120			
Chloroform	47.7			ug/L	50.0	<	95.4	80-120			
Ethylbenzene	50.1			ug/L	50.0	<	100	80-120			
n-Butylbenzene	50.8			ug/L	50.0	<	102	73.8-125			
n-Propylbenzene	48.4			ug/L	50.0	<	96.8	75-120			
Toluene	50.9			ug/L	50.0	<	102	80-120			
Trichloroethene	47.8			ug/L	50.0	<	95.5	80-120			
Vinyl chloride	55.1			ug/L	50.0	<	110	74.8-130			
Surrogate: 4-Bromofluorobenzene	51.4			ug/L	50.0		103	80-124			
Surrogate: Dibromofluoromethane	49.8			ug/L	50.0		99.6	77.1-123			
Surrogate: Toluene-d8	49.7			ug/L	50.0		99.4	78.1-125			

Matrix Spike Dup (B1K0204-MSD1)

Source: 1105283-01

Prepared & Analyzed: 11/01/11

1,1,2,2-Tetrachloroethane	51.1			ug/L	50.0	<	102	75-125	4.30	20	
1,1-Dichloroethane	50.3			ug/L	50.0	<	101	78.7-123	3.21	20	
1,1-Dichloroethene	48.5			ug/L	50.0	<	97.0	75.8-121	4.26	20	
1,3,5-Trimethylbenzene	49.5			ug/L	50.0	<	99.1	75-120	2.12	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0204 - EPA 5035 Soil (Purge and Trap)											
Matrix Spike Dup (B1K0204-MSD1)		Source: 1105283-01			Prepared & Analyzed: 11/01/11						
1,4-Dichlorobenzene	50.0			ug/L	50.0	<	100	75-125	2.47	20	
2-Chlorotoluene	49.6			ug/L	50.0	<	99.3	75-120	3.58	20	
Benzene	50.0			ug/L	50.0	<	99.9	80-120	2.69	20	
Bromoform	52.7			ug/L	50.0	<	105	80-120	4.60	20	
Chlorobenzene	52.2			ug/L	50.0	<	104	80-120	5.64	20	
Chloroform	48.9			ug/L	50.0	<	97.8	80-120	2.44	20	
Ethylbenzene	52.3			ug/L	50.0	<	105	80-120	4.27	20	
n-Butylbenzene	52.3			ug/L	50.0	<	105	73.8-125	2.90	20	
n-Propylbenzene	50.4			ug/L	50.0	<	101	75-120	4.07	20	
Toluene	52.8			ug/L	50.0	<	106	80-120	3.69	20	
Trichloroethene	49.2			ug/L	50.0	<	98.4	80-120	2.97	20	
Vinyl chloride	55.5			ug/L	50.0	<	111	74.8-130	0.782	20	
Surrogate: 4-Bromofluorobenzene	51.9			ug/L	50.0		104	80-124			
Surrogate: Dibromofluoromethane	49.9			ug/L	50.0		99.8	77.1-123			
Surrogate: Toluene-d8	49.8			ug/L	50.0		99.7	78.1-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105288 Date Reported: 11/09/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
 4700 West 77th Street
BARR Minneapolis, MN 55435-4803
 (952) 832-2600

1105288

Project Number: 23119-1092.00 48R1 820
 Project Name: UMore R1 - Site Wide
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: No 37132

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	Number of Containers/Preservative										Total Number of Containers	COC <u>1</u> of <u>1</u>					
						Water	Soil		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (Iared MeOH) #1	GRQ, BTEX (Iared MeOH) #2	DRO (Iared unpreserved) Metals (unpreserved) #2			SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)			
1. 501A2-T12	5	5	ft	10/28/2011	0800	X	X																1	SVOCs	
2. M-1	-	-				X	X																	1	SVOCs
3. 501F1-T17	0.5	0.5			1300	X	X																	1	PCB
4. 501F1-T18	0.5	0.5			1230	X	X																	1	
5. 501F1-T19	0.5	0.5			1245	X	X																	1	
6. 501A2 U-PB6-T11	12	12	↓	↓	1630	X	X									X	X	X						5	RCPA Metals, SVOC, OC-Pest, PCB, VOC
7. M-2	-	-		↓		X	X										X	X						2	RCPA Metals SVOC
8. Trip Blank	-	-		↓		X		X								X								1	VOCs
9.																									
10.																									

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

H/cut-1.32

Relinquished By: <u>Brook Schimpke</u>	On Ice? <input checked="" type="checkbox"/>	Date: <u>10/31/11</u>	Time: <u>1200</u>	Received by:	Date:	Time:
Relinquished By:	On Ice? <input type="checkbox"/>	Date:	Time:	Received by: <u>KF</u>	Date: <u>11/3/11</u>	Time: <u>14125</u>

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____

Air Bill Number: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

November 22, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105289
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 10/31/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "T-LE", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
717A-SS7_0-0.5	1105289-01	Soil	10/28/11 08:20	10/31/11 14:25
208E-SS1_0-0.5	1105289-02	Soil	10/28/11 08:50	10/31/11 14:25
208F-SS1_0-0.5	1105289-03	Soil	10/28/11 09:15	10/31/11 14:25
FB-1	1105289-04	Water	10/28/11 00:00	10/31/11 14:25
220A-SS1_0-0.5	1105289-05	Soil	10/28/11 10:00	10/31/11 14:25
220B-SS2_0-0.5	1105289-06	Soil	10/28/11 10:15	10/31/11 14:25
FB-2	1105289-07	Water	10/28/11 00:00	10/31/11 14:25

Shipping Container Information

Default Cooler Temperature (°C): 6.4

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

An LCS/LCSD/MS was prepared and analyzed for 8270 water batch B1K0221 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements

The recoveries for the 8270 compounds 2,4-dinitrotoluene, phenanthrene, fluoranthene and the %RPD for 2,4-dinitrotoluene in the MS/MSD samples for batch B1K0209 were outside laboratory limits due to sample matrix interference. All spike compounds were within limits in the batch LCS. The MS/MSD source sample was 208E-SS1_0-0.5.

The recovery for the 8270 compound fluoranthene in the LCS sample for water batch B1K0221 was below laboratory limits. All spike compounds were within limits in the batch LCSD/MS.

The recoveries for the 8270 TCLP compounds hexachlorobenzene and 2,4-dinitrotoluene in the MSD and the %RPD for 2,4-dinitrotoluene in the MS/MSD for batch B1K0807 were above laboratory limits. All spike compounds were within limits in the batch LCS/MS. The MS/MSD source sample was 208E-SS1_0-0.5.

This report was revised on November 22, 2011 to add additional information for the case narrative. Due to noted non-homogeneity of the QC sample matrix, the 8270 compound 2,4-dinitrotoluene in the MS/MSD samples for batch B1K0209 did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values. This report supercedes the report dated November 10, 2011.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SS7_0-0.5 (1105289-01) Soil Sampled: 10/28/11 08:20 Received: 10/31/11 14:25										
Aroclor 1016	<0.22	0.22	0.0086	mg/kg dry	1	B1K0109	11/01/11	11/02/11	EPA 8082	
Aroclor 1221	<0.22	0.22	0.022	mg/kg dry	1	"	"	"	"	
Aroclor 1232	<0.22	0.22	0.025	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.22	0.22	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.22	0.22	0.043	mg/kg dry	1	"	"	"	"	
Aroclor 1260	4.8	2.2	0.064	mg/kg dry	10	"	"	11/02/11	"	
Surrogate: Decachlorobiphenyl	72.0			65.3-143 %		"	"	11/02/11	"	
Surrogate: Tetrachloro-meta-xylene	96.0			60.9-138 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
717A-SS7_0-0.5 (1105289-01) Soil Sampled: 10/28/11 08:20 Received: 10/31/11 14:25										
% Solids	92			%	1	B1K0711	11/07/11	11/07/11	% calculation	
208E-SS1_0-0.5 (1105289-02) Soil Sampled: 10/28/11 08:50 Received: 10/31/11 14:25										
% Solids	90			%	1	B1K0212	11/02/11	11/02/11	% calculation	
208F-SS1_0-0.5 (1105289-03) Soil Sampled: 10/28/11 09:15 Received: 10/31/11 14:25										
% Solids	92			%	1	B1K0711	11/07/11	11/07/11	% calculation	
220A-SS1_0-0.5 (1105289-05) Soil Sampled: 10/28/11 10:00 Received: 10/31/11 14:25										
% Solids	89			%	1	B1K0711	11/07/11	11/07/11	% calculation	
220B-SS2_0-0.5 (1105289-06) Soil Sampled: 10/28/11 10:15 Received: 10/31/11 14:25										
% Solids	92			%	1	B1K0711	11/07/11	11/07/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208E-SS1_0-0.5 (1105289-02) Soil Sampled: 10/28/11 08:50 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	B1K0209	11/02/11	11/03/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.37	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.083	0.74	0.083	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.089	0.74	0.089	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	10	0.37	0.039	mg/kg dry	1	"	"	"	"	QM-05, QR-03
2,6-Dichlorophenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	0.72	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.74	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.37	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.094	0.74	0.094	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.74	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.74	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	0.23	0.37	0.042	mg/kg dry	1	"	"	"	"	J
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	0.56	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	2.0	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	2.1	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	3.0	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208E-SS1_0-0.5 (1105289-02) Soil Sampled: 10/28/11 08:50 Received: 10/31/11 14:25										
Benzo(g,h,i)perylene	1.3	0.37	0.048	mg/kg dry	1	B1K0209	11/02/11	11/03/11	EPA 8270C	
Benzo(k)fluoranthene	1.1	0.37	0.053	mg/kg dry	1	"	"	"	"	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.74	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	0.54	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	2.5	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	0.35	0.37	0.048	mg/kg dry	1	"	"	"	"	J
Dibenzofuran	0.082	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Diethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	9.2	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	4.5	0.37	0.043	mg/kg dry	1	"	"	"	"	QM-05
Fluorene	0.19	0.37	0.039	mg/kg dry	1	"	"	"	"	J
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	1.5	0.37	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	0.077	0.37	0.037	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.37	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	0.96	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.087	0.74	0.087	mg/kg dry	1	"	"	"	"	
Phenanthrene	2.8	0.37	0.040	mg/kg dry	1	"	"	"	"	QM-05
Phenol	<0.077	0.74	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	3.9	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	79.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.1			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.7			50.4-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208E-SS1_0-0.5 (1105289-02) Soil Sampled: 10/28/11 08:50 Received: 10/31/11 14:25										
<i>Surrogate: Terphenyl-d14</i>	63.4		51-99.6 %			B1K0209	11/02/11	11/03/11	EPA 8270C	
208F-SS1_0-0.5 (1105289-03) Soil Sampled: 10/28/11 09:15 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1K0209	11/02/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	0.46	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.082	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.10	0.36	0.046	mg/kg dry	1	"	"	"	"	J

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208F-SS1_0-0.5 (1105289-03) Soil Sampled: 10/28/11 09:15 Received: 10/31/11 14:25										
Benzo(b)fluoranthene	0.14	0.36	0.047	mg/kg dry	1	B1K0209	11/02/11	11/02/11	EPA 8270C	J
Benzo(g,h,i)perylene	0.11	0.36	0.047	mg/kg dry	1	"	"	"	"	J
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.10	0.36	0.048	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.42	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.14	0.36	0.042	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.11	0.36	0.043	mg/kg dry	1	"	"	"	"	J
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.061	0.36	0.039	mg/kg dry	1	"	"	"	"	J
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	0.13	0.36	0.045	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	87.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.5			48.9-100 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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208F-SS1_0-0.5 (1105289-03) Soil Sampled: 10/28/11 09:15 Received: 10/31/11 14:25

Surrogate: Phenol-d6	64.1			50.4-99.6 %		B1K0209	11/02/11	11/02/11	EPA 8270C	
Surrogate: Terphenyl-d14	80.2			51-99.6 %		"	"	"	"	

FB-1 (1105289-04) Water Sampled: 10/28/11 00:00 Received: 10/31/11 14:25

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1K0221	11/02/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1105289-04) Water Sampled: 10/28/11 00:00 Received: 10/31/11 14:25										
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	B1K0221	11/02/11	11/02/11	EPA 8270C	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	T-1
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	L2
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.9			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.7			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.4			30-80.1 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-1 (1105289-04) Water Sampled: 10/28/11 00:00 Received: 10/31/11 14:25										
Surrogate: Nitrobenzene-d5	72.9			51.2-103 %		B1K0221	11/02/11	11/02/11	EPA 8270C	
Surrogate: Phenol-d6	60.2			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.7			30-116 %		"	"	"	"	

220A-SS1_0-0.5 (1105289-05) Soil Sampled: 10/28/11 10:00 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1K0209	11/02/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	0.12	0.37	0.039	mg/kg dry	1	"	"	"	"	J
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220A-SS1_0-0.5 (1105289-05) Soil Sampled: 10/28/11 10:00 Received: 10/31/11 14:25										
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	B1K0209	11/02/11	11/02/11	EPA 8270C	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Benzoic acid	0.53	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.31	0.37	0.049	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	93.5			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.6			53.9-97.9 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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220A-SS1_0-0.5 (1105289-05) Soil Sampled: 10/28/11 10:00 Received: 10/31/11 14:25

Surrogate: 2-Fluorophenol	70.9		42.5-94.9 %			B1K0209	11/02/11	11/02/11	EPA 8270C	
Surrogate: Nitrobenzene-d5	72.6		48.9-100 %			"	"	"	"	
Surrogate: Phenol-d6	82.1		50.4-99.6 %			"	"	"	"	
Surrogate: Terphenyl-d14	68.3		51-99.6 %			"	"	"	"	

220B-SS2_0-0.5 (1105289-06) Soil Sampled: 10/28/11 10:15 Received: 10/31/11 14:25

1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1K0209	11/02/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.040	0.73	0.040	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.73	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.087	0.73	0.087	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.065	0.73	0.065	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.092	0.73	0.092	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.73	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.7	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.73	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.072	0.73	0.072	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.041	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.73	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
220B-SS2_0-0.5 (1105289-06) Soil Sampled: 10/28/11 10:15 Received: 10/31/11 14:25										
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	B1K0209	11/02/11	11/02/11	EPA 8270C	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(k)fluoranthene	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Benzoic acid	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	0.35	0.36	0.048	mg/kg dry	1	"	"	"	"	J
Di-n-octyl phthalate	<0.052	0.36	0.052	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.028	0.36	0.028	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.085	0.73	0.085	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.039	0.36	0.039	mg/kg dry	1	"	"	"	"	
Phenol	<0.075	0.73	0.075	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	94.7			53-107 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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220B-SS2_0-0.5 (1105289-06) Soil **Sampled: 10/28/11 10:15** **Received: 10/31/11 14:25**

Surrogate: 2-Fluorobiphenyl	72.4			53.9-97.9 %		B1K0209	11/02/11	11/02/11	EPA 8270C	
Surrogate: 2-Fluorophenol	71.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	68.9			51-99.6 %		"	"	"	"	

FB-2 (1105289-07) Water **Sampled: 10/28/11 00:00** **Received: 10/31/11 14:25**

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1K0221	11/02/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-2 (1105289-07) Water Sampled: 10/28/11 00:00 Received: 10/31/11 14:25										
Anthracene	<0.52	9.3	0.52	ug/L	1	B1K0221	11/02/11	11/02/11	EPA 8270C	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	T-1
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	L2
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-2 (1105289-07) Water Sampled: 10/28/11 00:00 Received: 10/31/11 14:25										
Surrogate: 2,4,6-Tribromophenol	88.3			30-122 %		B1K0221	11/02/11	11/02/11	EPA 8270C	
Surrogate: 2-Fluorobiphenyl	72.5			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.2			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.2			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	61.0			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.7			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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TCLP SVOC
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
208E-SS1_0-0.5 (1105289-02) Soil Sampled: 10/28/11 08:50 Received: 10/31/11 14:25										
2,4,5-Trichlorophenol	<0.10	0.10	0.0080	mg/L	1	B1K0807	11/08/11	11/08/11	EPA 1311/8270C	
2,4,6-Trichlorophenol	<0.10	0.10	0.0048	mg/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.10	0.10	0.0033	mg/L	1	"	"	"	"	M1, QR-04
2-Methylphenol	<0.10	0.10	0.0063	mg/L	1	"	"	"	"	
3&4-Methylphenol	<0.20	0.20	0.0079	mg/L	1	"	"	"	"	
Hexachlorobenzene	<0.10	0.10	0.0020	mg/L	1	"	"	"	"	M1
Hexachlorobutadiene	<0.10	0.10	0.0026	mg/L	1	"	"	"	"	
Hexachloroethane	<0.10	0.10	0.0031	mg/L	1	"	"	"	"	
Nitrobenzene	<0.10	0.10	0.0039	mg/L	1	"	"	"	"	
Pentachlorophenol	<0.10	0.10	0.0059	mg/L	1	"	"	"	"	
Pyridine	<0.10	0.10	0.019	mg/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	89.8			70.2-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.7			53.3-92.2 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.3			34.1-82.2 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.8			52.3-94.4 %		"	"	"	"	
Surrogate: Phenol-d6	63.0			30-80.8 %		"	"	"	"	
Surrogate: Terphenyl-d14	68.9			58.3-88.7 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0109 - EPA 3545 ASE Extraction											
Blank (B1K0109-BLK1)						Prepared & Analyzed: 11/01/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0620			mg/kg wet	0.0667		93.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0590			mg/kg wet	0.0667		88.5	60.9-138			
LCS (B1K0109-BS1)						Prepared: 11/01/11 Analyzed: 11/02/11					
Aroclor 1260	0.316	0.20	0.0059	mg/kg wet	0.333		94.9	70-130			
Surrogate: Decachlorobiphenyl	0.0567			mg/kg wet	0.0667		85.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0587			mg/kg wet	0.0667		88.0	60.9-138			
Matrix Spike (B1K0109-MS1)						Source: 1105288-04 Prepared: 11/01/11 Analyzed: 11/02/11					
Aroclor 1260	0.342	0.22	0.0063	mg/kg dry	0.365	<0.22	93.7	70-130			
Surrogate: Decachlorobiphenyl	0.0665			mg/kg dry	0.0730		91.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0632			mg/kg dry	0.0730		86.5	60.9-138			
Matrix Spike Dup (B1K0109-MSD1)						Source: 1105288-04 Prepared: 11/01/11 Analyzed: 11/02/11					
Aroclor 1260	0.335	0.22	0.0063	mg/kg dry	0.358	<0.22	93.4	70-130	2.27	17.2	
Surrogate: Decachlorobiphenyl	0.0655			mg/kg dry	0.0716		91.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0605			mg/kg dry	0.0716		84.5	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0212 - General Preparation											
Duplicate (B1K0212-DUP1)						Source: 1105312-02			Prepared & Analyzed: 11/02/11		
% Solids	96.0			%		96.0			0.00	20	
Duplicate (B1K0212-DUP2)											
						Source: 1105324-05			Prepared & Analyzed: 11/02/11		
% Solids	81.0			%		82.0			1.23	20	
Batch B1K0711 - General Preparation											
Duplicate (B1K0711-DUP1)						Source: 1105285-02			Prepared & Analyzed: 11/07/11		
% Solids	96.0			%		96.0			0.00	20	
Duplicate (B1K0711-DUP2)											
						Source: 1105291-02			Prepared & Analyzed: 11/07/11		
% Solids	90.0			%		89.0			1.12	20	
Duplicate (B1K0711-DUP3)											
						Source: 1105364-04			Prepared & Analyzed: 11/07/11		
% Solids	92.0			%		92.0			0.00	20	
Duplicate (B1K0711-DUP4)											
						Source: 1105374-01			Prepared & Analyzed: 11/07/11		
% Solids	90.0			%		90.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

Blank (B1K0209-BLK1)

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

Blank (B1K0209-BLK1)

Prepared & Analyzed: 11/02/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.10			mg/kg wet	6.67		76.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.41			mg/kg wet	6.67		66.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.28			mg/kg wet	6.67		64.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.42			mg/kg wet	6.67		66.2	48.9-100			
Surrogate: Phenol-d6	4.87			mg/kg wet	6.67		73.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.33			mg/kg wet	6.67		64.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

LCS (B1K0209-BS1)

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	4.17	0.33	0.031	mg/kg wet	6.67		62.6	59.1-87.7			
1,4-Dichlorobenzene	3.97	0.33	0.029	mg/kg wet	6.67		59.5	50.3-72.9			
2,4-Dinitrotoluene	4.62	0.33	0.035	mg/kg wet	6.67		69.3	59.8-82.2			
2-Chlorophenol	4.49	0.67	0.060	mg/kg wet	6.67		67.4	59.7-77.3			
4-Chloro-3-methylphenol	4.42	0.67	0.066	mg/kg wet	6.67		66.3	63.6-80.4			
4-Nitrophenol	4.51	0.67	0.093	mg/kg wet	6.67		67.7	57.3-84.9			
Anthracene	5.59	0.33	0.036	mg/kg wet	6.67		83.9	67.3-88			
Benzo(a)anthracene	5.44	0.33	0.041	mg/kg wet	6.67		81.5	66.5-90.5			
Benzo(a)pyrene	5.58	0.33	0.042	mg/kg wet	6.67		83.7	66.1-89.7			
Chrysene	5.50	0.33	0.044	mg/kg wet	6.67		82.5	65.5-90.5			
Fluoranthene	5.78	0.33	0.039	mg/kg wet	6.67		86.7	66.7-89.9			
Fluorene	5.26	0.33	0.035	mg/kg wet	6.67		79.0	66.2-85.6			
N-Nitrosodi-n-propylamine	4.26	0.33	0.033	mg/kg wet	6.67		63.8	59.4-78			
Pentachlorophenol	4.17	0.67	0.078	mg/kg wet	6.67		62.6	46.7-83.2			
Phenanthrene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.5-87.9			
Phenol	4.34	0.67	0.069	mg/kg wet	6.67		65.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.07			mg/kg wet	6.67		76.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.60			mg/kg wet	6.67		69.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.15			mg/kg wet	6.67		62.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.03			mg/kg wet	6.67		60.4	48.9-100			
Surrogate: Phenol-d6	4.44			mg/kg wet	6.67		66.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.49			mg/kg wet	6.67		67.4	51-99.6			

Matrix Spike (B1K0209-MS1)

Source: 1105289-02

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	6.02	0.73	0.069	mg/kg dry	7.52	<0.73	80.0	44.8-97.9			
1,4-Dichlorobenzene	5.38	0.73	0.064	mg/kg dry	7.52	<0.73	71.6	42.3-77.9			
2,4-Dinitrotoluene	79.7	3.7	0.39	mg/kg dry	7.52	10.1	925	57.3-86.6			QM-05
2-Chlorophenol	6.07	1.5	0.13	mg/kg dry	7.52	<1.5	80.8	43.3-93.2			
4-Chloro-3-methylphenol	6.23	1.5	0.15	mg/kg dry	7.52	<1.5	82.8	47.1-97.6			
4-Nitrophenol	6.45	1.5	0.21	mg/kg dry	7.52	<1.5	85.8	49.3-96.2			
Anthracene	6.68	0.73	0.080	mg/kg dry	7.52	<0.73	81.4	67.5-93.1			
Benzo(a)anthracene	7.06	0.73	0.091	mg/kg dry	7.52	1.96	67.9	59.8-95.7			
Benzo(a)pyrene	7.13	0.73	0.093	mg/kg dry	7.52	2.14	66.3	59.8-92.7			
Chrysene	7.71	0.73	0.098	mg/kg dry	7.52	2.49	69.4	62.5-94.6			
Fluoranthene	7.55	0.73	0.087	mg/kg dry	7.52	4.48	40.8	61.3-92.8			QM-05
Fluorene	6.57	0.73	0.078	mg/kg dry	7.52	<0.73	84.9	62.8-92.6			
N-Nitrosodi-n-propylamine	6.55	0.73	0.073	mg/kg dry	7.52	<0.73	87.1	46.9-89.9			
Pentachlorophenol	5.72	1.5	0.17	mg/kg dry	7.52	<1.5	76.1	40.1-95.1			
Phenanthrene	7.13	0.73	0.080	mg/kg dry	7.52	2.82	57.3	65.2-92.2			QM-05
Phenol	6.05	1.5	0.15	mg/kg dry	7.52	<1.5	80.4	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

Matrix Spike (B1K0209-MS1)

Source: 1105289-02

Prepared & Analyzed: 11/02/11

Surrogate: 2,4,6-Tribromophenol	6.66			mg/kg dry	7.52		88.6	53-107			
Surrogate: 2-Fluorobiphenyl	6.33			mg/kg dry	7.52		84.2	53.9-97.9			
Surrogate: 2-Fluorophenol	6.15			mg/kg dry	7.52		81.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.10			mg/kg dry	7.52		81.2	48.9-100			
Surrogate: Phenol-d6	6.47			mg/kg dry	7.52		86.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.76			mg/kg dry	7.52		76.6	51-99.6			

Matrix Spike Dup (B1K0209-MSD1)

Source: 1105289-02

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	5.98	0.73	0.069	mg/kg dry	7.43	<0.73	80.6	44.8-97.9	0.539	19.6	
1,4-Dichlorobenzene	5.29	0.73	0.064	mg/kg dry	7.43	<0.73	71.2	42.3-77.9	1.78	22.4	
2,4-Dinitrotoluene	33.1	3.7	0.39	mg/kg dry	7.43	10.1	309	57.3-86.6	82.8	19.5	QM-05, QR-03
2-Chlorophenol	6.01	1.5	0.13	mg/kg dry	7.43	<1.5	80.9	43.3-93.2	1.03	23.7	
4-Chloro-3-methylphenol	6.53	1.5	0.15	mg/kg dry	7.43	<1.5	87.9	47.1-97.6	4.80	18.3	
4-Nitrophenol	7.04	1.5	0.21	mg/kg dry	7.43	<1.5	94.7	49.3-96.2	8.71	20.4	
Anthracene	6.68	0.73	0.080	mg/kg dry	7.43	<0.73	82.4	67.5-93.1	0.0105	19.9	
Benzo(a)anthracene	7.27	0.73	0.091	mg/kg dry	7.43	1.96	71.5	59.8-95.7	2.92	23.4	
Benzo(a)pyrene	7.45	0.73	0.093	mg/kg dry	7.43	2.14	71.4	59.8-92.7	4.38	21.1	
Chrysene	7.98	0.73	0.098	mg/kg dry	7.43	2.49	73.9	62.5-94.6	3.52	24.8	
Fluoranthene	8.22	0.73	0.087	mg/kg dry	7.43	4.48	50.4	61.3-92.8	8.58	21.8	QM-05
Fluorene	6.58	0.73	0.078	mg/kg dry	7.43	<0.73	85.9	62.8-92.6	0.0133	17.6	
N-Nitrosodi-n-propylamine	6.63	0.73	0.073	mg/kg dry	7.43	<0.73	89.3	46.9-89.9	1.25	18.9	
Pentachlorophenol	6.37	1.5	0.17	mg/kg dry	7.43	<1.5	85.8	40.1-95.1	10.7	19.7	
Phenanthrene	7.43	0.73	0.080	mg/kg dry	7.43	2.82	62.0	65.2-92.2	4.14	20.5	QM-05
Phenol	6.10	1.5	0.15	mg/kg dry	7.43	<1.5	82.1	44.7-91	0.808	17.9	
Surrogate: 2,4,6-Tribromophenol	6.76			mg/kg dry	7.43		91.1	53-107			
Surrogate: 2-Fluorobiphenyl	6.18			mg/kg dry	7.43		83.2	53.9-97.9			
Surrogate: 2-Fluorophenol	6.02			mg/kg dry	7.43		81.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.14			mg/kg dry	7.43		82.7	48.9-100			
Surrogate: Phenol-d6	6.62			mg/kg dry	7.43		89.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.87			mg/kg dry	7.43		79.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0221 - EPA 3510C (Sep Funnel)

Blank (B1K0221-BLK1)

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0221 - EPA 3510C (Sep Funnel)

Blank (B1K0221-BLK1)

Prepared & Analyzed: 11/02/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	86.7			ug/L	100		86.7	30-122			
Surrogate: 2-Fluorobiphenyl	70.9			ug/L	100		70.9	39.2-104			
Surrogate: 2-Fluorophenol	64.2			ug/L	100		64.2	30-80.1			
Surrogate: Nitrobenzene-d5	72.3			ug/L	100		72.3	51.2-103			
Surrogate: Phenol-d6	61.3			ug/L	100		61.3	30-75.3			
Surrogate: Terphenyl-d14	70.6			ug/L	100		70.6	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0221 - EPA 3510C (Sep Funnel)

LCS (B1K0221-BS1)

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	64.9	10	0.30	ug/L	100		64.9	47.4-88.7			
1,4-Dichlorobenzene	68.2	10	0.29	ug/L	100		68.2	39.5-81			
2,4-Dinitrotoluene	87.2	10	0.45	ug/L	100		87.2	67.2-99.3			
2-Chlorophenol	71.4	10	0.39	ug/L	100		71.4	56.5-85.9			
4-Chloro-3-methylphenol	82.6	10	0.48	ug/L	100		82.6	62.1-98.2			
4-Nitrophenol	76.8	10	0.78	ug/L	100		76.8	40.5-98.5			
Anthracene	76.5	10	0.56	ug/L	100		76.5	70.6-95.3			
Benzo(a)anthracene	82.2	10	0.50	ug/L	100		82.2	73.7-96.6			
Benzo(a)pyrene	76.6	10	0.41	ug/L	100		76.6	70.9-92.6			
Chrysene	85.0	10	0.61	ug/L	100		85.0	71.8-97.5			
Fluoranthene	73.0	10	0.61	ug/L	100		73.0	73.6-96.8			L2
Fluorene	73.7	10	0.52	ug/L	100		73.7	69.3-93.3			
N-Nitrosodi-n-propylamine	72.1	10	0.25	ug/L	100		72.1	65.9-89.3			
Pentachlorophenol	83.7	10	0.90	ug/L	100		83.7	55-107			
Phenanthrene	78.9	10	0.35	ug/L	100		78.9	72.5-97.6			
Phenol	59.9	10	0.41	ug/L	100		59.9	34.1-71.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	85.6			ug/L	100		85.6	30-122			
<i>Surrogate: 2-Fluorobiphenyl</i>	69.7			ug/L	100		69.7	39.2-104			
<i>Surrogate: 2-Fluorophenol</i>	66.8			ug/L	100		66.8	30-80.1			
<i>Surrogate: Nitrobenzene-d5</i>	74.3			ug/L	100		74.3	51.2-103			
<i>Surrogate: Phenol-d6</i>	62.0			ug/L	100		62.0	30-75.3			
<i>Surrogate: Terphenyl-d14</i>	76.5			ug/L	100		76.5	30-116			

LCS Dup (B1K0221-BSD1)

Prepared & Analyzed: 11/02/11

Q9, QM-10

1,2,4-Trichlorobenzene	66.5	10	0.30	ug/L	100		66.5	47.4-88.7	2.45	20	
1,4-Dichlorobenzene	69.6	10	0.29	ug/L	100		69.6	39.5-81	1.98	20	
2,4-Dinitrotoluene	87.7	10	0.45	ug/L	100		87.7	67.2-99.3	0.548	20	
2-Chlorophenol	72.4	10	0.39	ug/L	100		72.4	56.5-85.9	1.34	20	
4-Chloro-3-methylphenol	84.4	10	0.48	ug/L	100		84.4	62.1-98.2	2.12	20	
4-Nitrophenol	75.7	10	0.78	ug/L	100		75.7	40.5-98.5	1.35	20	
Anthracene	77.6	10	0.56	ug/L	100		77.6	70.6-95.3	1.34	20	
Benzo(a)anthracene	83.6	10	0.50	ug/L	100		83.6	73.7-96.6	1.72	20	
Benzo(a)pyrene	78.0	10	0.41	ug/L	100		78.0	70.9-92.6	1.84	20	
Chrysene	83.7	10	0.61	ug/L	100		83.7	71.8-97.5	1.57	20	
Fluoranthene	74.8	10	0.61	ug/L	100		74.8	73.6-96.8	2.44	20	
Fluorene	75.2	10	0.52	ug/L	100		75.2	69.3-93.3	2.03	20	
N-Nitrosodi-n-propylamine	73.0	10	0.25	ug/L	100		73.0	65.9-89.3	1.23	20	
Pentachlorophenol	82.5	10	0.90	ug/L	100		82.5	55-107	1.46	20	
Phenanthrene	79.6	10	0.35	ug/L	100		79.6	72.5-97.6	0.964	20	
Phenol	58.8	10	0.41	ug/L	100		58.8	34.1-71.6	1.69	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0221 - EPA 3510C (Sep Funnel)

LCS Dup (B1K0221-BSD1)

Prepared & Analyzed: 11/02/11

Q9, QM-10

Surrogate: 2,4,6-Tribromophenol	84.2			ug/L	100		84.2	30-122			
Surrogate: 2-Fluorobiphenyl	70.1			ug/L	100		70.1	39.2-104			
Surrogate: 2-Fluorophenol	65.0			ug/L	100		65.0	30-80.1			
Surrogate: Nitrobenzene-d5	75.2			ug/L	100		75.2	51.2-103			
Surrogate: Phenol-d6	60.2			ug/L	100		60.2	30-75.3			
Surrogate: Terphenyl-d14	76.8			ug/L	100		76.8	30-116			

Matrix Spike (B1K0221-MS1)

Source: 1105298-01

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	66.7	10	0.30	ug/L	104	<10	64.0	39.2-90.6			
1,4-Dichlorobenzene	67.9	10	0.29	ug/L	104	<10	65.2	34.1-81.6			
2,4-Dinitrotoluene	87.5	10	0.45	ug/L	104	<10	84.0	41.1-110			
2-Chlorophenol	73.3	10	0.39	ug/L	104	<10	70.4	30-96.4			
4-Chloro-3-methylphenol	84.5	10	0.48	ug/L	104	<10	81.1	30-113			
4-Nitrophenol	84.0	10	0.78	ug/L	104	<10	80.6	30-112			
Anthracene	77.9	10	0.56	ug/L	104	<10	74.8	30-119			
Benzo(a)anthracene	83.1	10	0.50	ug/L	104	<10	79.8	30-122			
Benzo(a)pyrene	77.1	10	0.41	ug/L	104	<10	74.1	30-118			
Chrysene	85.0	10	0.61	ug/L	104	<10	81.6	30-125			
Fluoranthene	73.7	10	0.61	ug/L	104	<10	70.8	31.6-119			
Fluorene	74.7	10	0.52	ug/L	104	<10	71.7	40.8-107			
N-Nitrosodi-n-propylamine	72.7	10	0.25	ug/L	104	<10	69.8	47.2-94.8			
Pentachlorophenol	86.8	10	0.90	ug/L	104	<10	83.4	30-130			
Phenanthrene	80.8	10	0.35	ug/L	104	<10	77.6	38.2-117			
Phenol	61.5	10	0.41	ug/L	104	<10	59.0	30-80			
Surrogate: 2,4,6-Tribromophenol	87.1			ug/L	104		83.6	30-122			
Surrogate: 2-Fluorobiphenyl	70.3			ug/L	104		67.5	39.2-104			
Surrogate: 2-Fluorophenol	66.6			ug/L	104		63.9	30-80.1			
Surrogate: Nitrobenzene-d5	75.7			ug/L	104		72.6	51.2-103			
Surrogate: Phenol-d6	67.5			ug/L	104		64.8	30-75.3			
Surrogate: Terphenyl-d14	76.3			ug/L	104		73.2	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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TCLP SVOC - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0807 - EPA 3510C (Sep Funnel)

Blank (B1K0807-BLK1)

Prepared & Analyzed: 11/08/11

2,4,5-Trichlorophenol	< 0.10	0.10	0.0080	mg/L							
2,4,6-Trichlorophenol	< 0.10	0.10	0.0048	mg/L							
2,4-Dinitrotoluene	< 0.10	0.10	0.0033	mg/L							
2-Methylphenol	< 0.10	0.10	0.0063	mg/L							
3&4-Methylphenol	< 0.20	0.20	0.0079	mg/L							
Hexachlorobenzene	< 0.10	0.10	0.0020	mg/L							
Hexachlorobutadiene	< 0.10	0.10	0.0026	mg/L							
Hexachloroethane	< 0.10	0.10	0.0031	mg/L							
Nitrobenzene	< 0.10	0.10	0.0039	mg/L							
Pentachlorophenol	< 0.10	0.10	0.0059	mg/L							
Pyridine	< 0.10	0.10	0.019	mg/L							
<i>Surrogate: 2,4,6-Tribromophenol</i>	0.892			mg/L	1.00		89.2	70.2-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	0.732			mg/L	1.00		73.2	53.3-92.2			
<i>Surrogate: 2-Fluorophenol</i>	0.623			mg/L	1.00		62.3	34.1-82.2			
<i>Surrogate: Nitrobenzene-d5</i>	0.714			mg/L	1.00		71.4	52.3-94.4			
<i>Surrogate: Phenol-d6</i>	0.595			mg/L	1.00		59.5	30-80.8			
<i>Surrogate: Terphenyl-d14</i>	0.687			mg/L	1.00		68.7	58.3-88.7			

LCS (B1K0807-BS1)

Prepared & Analyzed: 11/08/11

2,4,5-Trichlorophenol	0.410	0.10	0.0080	mg/L	0.500		82.0	74.3-95.5			
2,4,6-Trichlorophenol	0.420	0.10	0.0048	mg/L	0.500		84.1	69.4-94.2			
2,4-Dinitrotoluene	0.416	0.10	0.0033	mg/L	0.500		83.2	72.5-89.1			
2-Methylphenol	0.406	0.10	0.0063	mg/L	0.500		81.3	60.5-91			
3&4-Methylphenol	0.688	0.20	0.0079	mg/L	1.00		68.8	54.4-85.4			
Hexachlorobenzene	0.472	0.10	0.0020	mg/L	0.500		94.4	76.6-97.3			
Hexachlorobutadiene	0.366	0.10	0.0026	mg/L	0.500		73.3	30-97.3			
Hexachloroethane	0.351	0.10	0.0031	mg/L	0.500		70.2	32.1-88.7			
Nitrobenzene	0.356	0.10	0.0039	mg/L	0.500		71.2	64.7-89			
Pentachlorophenol	0.343	0.10	0.0059	mg/L	0.500		68.6	66.5-105			
<i>Surrogate: 2,4,6-Tribromophenol</i>	0.884			mg/L	1.00		88.4	70.2-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	0.662			mg/L	1.00		66.2	53.3-92.2			
<i>Surrogate: 2-Fluorophenol</i>	0.601			mg/L	1.00		60.1	34.1-82.2			
<i>Surrogate: Nitrobenzene-d5</i>	0.584			mg/L	1.00		58.4	52.3-94.4			
<i>Surrogate: Phenol-d6</i>	0.584			mg/L	1.00		58.4	30-80.8			
<i>Surrogate: Terphenyl-d14</i>	0.660			mg/L	1.00		66.0	58.3-88.7			

Matrix Spike (B1K0807-MS1)

Source: 1105289-02

Prepared & Analyzed: 11/08/11

2,4,5-Trichlorophenol	0.381	0.10	0.0080	mg/L	0.500	<0.10	76.2	73.8-94.7			
2,4,6-Trichlorophenol	0.396	0.10	0.0048	mg/L	0.500	<0.10	79.1	62.6-95.6			
2,4-Dinitrotoluene	0.394	0.10	0.0033	mg/L	0.500	<0.10	78.8	69.3-89.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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TCLP SVOC - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0807 - EPA 3510C (Sep Funnel)

Matrix Spike (B1K0807-MS1)

Source: 1105289-02

Prepared & Analyzed: 11/08/11

2-Methylphenol	0.379	0.10	0.0063	mg/L	0.500	<0.10	75.9	49.6-99.7			
3&4-Methylphenol	0.638	0.20	0.0079	mg/L	1.00	<0.20	63.8	46.7-90.6			
Hexachlorobenzene	0.440	0.10	0.0020	mg/L	0.500	<0.10	88.0	67.9-100			
Hexachlorobutadiene	0.334	0.10	0.0026	mg/L	0.500	<0.10	66.8	30-102			
Hexachloroethane	0.314	0.10	0.0031	mg/L	0.500	<0.10	62.9	30-92.7			
Nitrobenzene	0.334	0.10	0.0039	mg/L	0.500	<0.10	66.9	52.9-94.6			
Pentachlorophenol	0.340	0.10	0.0059	mg/L	0.500	<0.10	68.1	65.8-104			
Surrogate: 2,4,6-Tribromophenol	0.821			mg/L	1.00		82.1	70.2-107			
Surrogate: 2-Fluorobiphenyl	0.610			mg/L	1.00		61.0	53.3-92.2			
Surrogate: 2-Fluorophenol	0.559			mg/L	1.00		55.9	34.1-82.2			
Surrogate: Nitrobenzene-d5	0.537			mg/L	1.00		53.7	52.3-94.4			
Surrogate: Phenol-d6	0.538			mg/L	1.00		53.8	30-80.8			
Surrogate: Terphenyl-d14	0.607			mg/L	1.00		60.7	58.3-88.7			

Matrix Spike Dup (B1K0807-MSD1)

Source: 1105289-02

Prepared & Analyzed: 11/08/11

2,4,5-Trichlorophenol	0.447	0.10	0.0080	mg/L	0.500	<0.10	89.4	73.8-94.7	15.9	19.5	
2,4,6-Trichlorophenol	0.468	0.10	0.0048	mg/L	0.500	<0.10	93.5	62.6-95.6	16.7	22.6	
2,4-Dinitrotoluene	0.473	0.10	0.0033	mg/L	0.500	<0.10	94.6	69.3-89.6	18.2	17.5	M1, QR-04
2-Methylphenol	0.447	0.10	0.0063	mg/L	0.500	<0.10	89.3	49.6-99.7	16.3	28.6	
3&4-Methylphenol	0.762	0.20	0.0079	mg/L	1.00	<0.20	76.2	46.7-90.6	17.6	26.4	
Hexachlorobenzene	0.529	0.10	0.0020	mg/L	0.500	<0.10	106	67.9-100	18.3	19.6	M1
Hexachlorobutadiene	0.407	0.10	0.0026	mg/L	0.500	<0.10	81.5	30-102	19.7	27.5	
Hexachloroethane	0.384	0.10	0.0031	mg/L	0.500	<0.10	76.8	30-92.7	19.9	25.5	
Nitrobenzene	0.389	0.10	0.0039	mg/L	0.500	<0.10	77.8	52.9-94.6	15.1	20.7	
Pentachlorophenol	0.400	0.10	0.0059	mg/L	0.500	<0.10	80.1	65.8-104	16.2	18.6	
Surrogate: 2,4,6-Tribromophenol	0.972			mg/L	1.00		97.2	70.2-107			
Surrogate: 2-Fluorobiphenyl	0.710			mg/L	1.00		71.0	53.3-92.2			
Surrogate: 2-Fluorophenol	0.675			mg/L	1.00		67.5	34.1-82.2			
Surrogate: Nitrobenzene-d5	0.624			mg/L	1.00		62.4	52.3-94.4			
Surrogate: Phenol-d6	0.663			mg/L	1.00		66.3	30-80.8			
Surrogate: Terphenyl-d14	0.719			mg/L	1.00		71.9	58.3-88.7			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105289 Date Reported: 11/22/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
QR-04	The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-10	LCS/LCSD were analyzed in place of MS/MSD.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
Q9	Insufficient sample received to meet method QC requirements.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
L2	The associated blank spike recovery was below laboratory acceptance limits.
J	Parameter was present between the MDL and RL and should be considered an estimated value
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
BARR 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1105289

Project Number: 23 191092.00 48RE 820
 Project Name: VADDE EAST ABC LINE
 Sample Origination State: MN (use two letter postal state abbreviation)
 CDC Number: No 37145

Number of Containers/Preservative		COC <u>1</u> of <u>1</u>
Water	Soil	
		Project Manager: <u>JME</u>
		Project QC Contact: <u>AAN</u>
		Sampled by: <u>SPN2/AR5</u>
		Laboratory: <u>LEGEND</u>
		Total Number Of Containers

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (Iared MeOH) #2	GRO, BTEX (Iared MeOH) #2	DRO (Iared unpreserved) Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	PCBS			
						Water	Soil																	
1. 717A-SS7	0	.5	ft	10/28/11	8:20			X														1	PCB's	
2. 207E-SS1					8:50																		1	SVOC's
3. 207F-SS1					9:15																		1	SVOC's
4. FBI	-	-	-	10/28/11		X																		SVOC's
5. 220A-SS1	0	.5	ft		10:00																		1	SVOC's
6. 220B-SS2					10:15																		1	SVOC's
7. FB-2	-	-	-			X																		SVOC's
8.																								
9.																								
10.																								

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxin, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
 6/4
 RH/cust

Relinquished By: Krist Schimpke On Ice? N Date 10/31/11 Time 1200 Received by: _____ Date _____ Time _____
 Relinquished By: _____ On Ice? Y N Date _____ Time _____ Received by: Julie Foster Date 11/3/11 Time 14125
 Samples Shipped VIA: Air Freight Federal Express Sampler Air Bill Number _____
 Other: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

HERLSTDFORMS/Schema of Custody Form 2009 RLG Rev. 09/01/09

88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Legend Technical Services, Inc.
 The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
 Page 32 of 32



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

November 21, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105290
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 10/31/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

Handwritten signature of Bach Pham in black ink.

Bach Pham
Client Manager I
bpham@legend-group.com

Handwritten signature of Triet Le in black ink.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105290 Date Reported: 11/21/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SR06-SS1_0.5-0.5	1105290-01	Soil	10/28/11 15:15	10/31/11 14:25
SR21-SS1_0.5-0.5	1105290-02	Soil	10/28/11 15:30	10/31/11 14:25
SR41-SS1_0.5-0.5	1105290-03	Soil	10/28/11 15:45	10/31/11 14:25
TR16-SS1_0.5-0.5	1105290-04	Soil	10/28/11 11:45	10/31/11 14:25
10SD-SS1_0.5-0.5	1105290-05	Soil	10/28/11 10:45	10/31/11 14:25
B5-SS1_0.5-0.5	1105290-06	Soil	10/28/11 14:00	10/31/11 14:25
B5-SS2_0.5-0.5	1105290-07	Soil	10/28/11 14:30	10/31/11 14:25
FB-3	1105290-08	Water	10/28/11 00:00	10/31/11 14:25

Shipping Container Information

Default Cooler Temperature (°C): 6.4

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

The recoveries for the 8270 compounds 2,4-dinitrotoluene, phenanthrene, fluoranthene and the %RPD for 2,4-dinitrotoluene in the MS/MSD samples for batch B1K0209 were outside laboratory limits due to sample matrix interference. All spike compounds were within limits in the batch LCS. The MS/MSD source sample was not associated with this work order.

Sample BS-SS2_0.5-0.5 required dilution for the 8270 analysis due to sample matrix interference.

This report was revised on November 15, 2011 to correct sample IDs starting with BS by changing the BS to B5. The sample that required dilution in the case narrative above should be B5-SS2_0.5-0.5. This report supercedes the report dated November 9, 2011.

This report was revised on November 21, 2011 to add additional information for the case narrative. Due to noted non-homogeneity of the QC sample matrix, the 8270 compound 2,4-dinitrotoluene in the MS/MSD samples for batch B1K0209 did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values. This report supercedes the report dated November 15, 2011.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105290 Date Reported: 11/21/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SR06-SS1_0.5-0.5 (1105290-01) Soil Sampled: 10/28/11 15:15 Received: 10/31/11 14:25										
Arsenic	5.3	0.60	0.065	mg/kg dry	1	B1K0703	11/07/11	11/07/11	EPA 6010B	
SR21-SS1_0.5-0.5 (1105290-02) Soil Sampled: 10/28/11 15:30 Received: 10/31/11 14:25										
Arsenic	5.2	0.57	0.063	mg/kg dry	1	B1K0703	11/07/11	11/07/11	EPA 6010B	
SR41-SS1_0.5-0.5 (1105290-03) Soil Sampled: 10/28/11 15:45 Received: 10/31/11 14:25										
Arsenic	4.9	0.58	0.063	mg/kg dry	1	B1K0703	11/07/11	11/07/11	EPA 6010B	
TR16-SS1_0.5-0.5 (1105290-04) Soil Sampled: 10/28/11 11:45 Received: 10/31/11 14:25										
Arsenic	3.8	0.57	0.063	mg/kg dry	1	B1K0703	11/07/11	11/07/11	EPA 6010B	
10SD-SS1_0.5-0.5 (1105290-05) Soil Sampled: 10/28/11 10:45 Received: 10/31/11 14:25										
Arsenic	2.3	0.51	0.056	mg/kg dry	1	B1K0703	11/07/11	11/07/11	EPA 6010B	
Barium	14	1.0	0.061	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	7.2	0.51	0.012	mg/kg dry	1	"	"	"	"	
Lead	32	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.019	mg/kg dry	1	B1K0411	11/04/11	11/07/11	EPA 7471A	
Selenium	<1.0	1.0	0.096	mg/kg dry	1	B1K0703	11/07/11	11/07/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
B5-SS1_0.5-0.5 (1105290-06) Soil Sampled: 10/28/11 14:00 Received: 10/31/11 14:25										
Arsenic	2.8	0.64	0.070	mg/kg dry	1	B1K0703	11/07/11	11/07/11	EPA 6010B	
Barium	110	1.3	0.076	mg/kg dry	1	"	"	"	"	
Cadmium	0.74	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	7.3	0.64	0.015	mg/kg dry	1	"	"	"	"	
Lead	7.8	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.14	0.14	0.026	mg/kg dry	1	B1K0411	11/04/11	11/08/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1K0703	11/07/11	11/07/11	EPA 6010B	
Silver	<0.32	0.32	0.020	mg/kg dry	1	"	"	"	"	
B5-SS2_0.5-0.5 (1105290-07) Soil Sampled: 10/28/11 14:30 Received: 10/31/11 14:25										
Arsenic	2.7	0.63	0.070	mg/kg dry	1	B1K0703	11/07/11	11/07/11	EPA 6010B	
Barium	71	1.3	0.076	mg/kg dry	1	"	"	"	"	
Cadmium	0.49	0.32	0.042	mg/kg dry	1	"	"	"	"	
Chromium	11	0.63	0.015	mg/kg dry	1	"	"	"	"	
Lead	27	1.3	0.18	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.022	mg/kg dry	1	B1K0411	11/04/11	11/08/11	EPA 7471A	
Selenium	<1.3	1.3	0.12	mg/kg dry	1	B1K0703	11/07/11	11/07/11	EPA 6010B	
Silver	<0.32	0.32	0.020	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FB-3 (1105290-08) Water Sampled: 10/28/11 00:00 Received: 10/31/11 14:25										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1K0307	11/03/11	11/04/11	EPA 6010B	
Barium	<0.020	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1K0912	11/09/11	11/09/11	EPA 7470A	
Selenium	<0.020	0.020	0.0019	mg/L	1	B1K0307	11/03/11	11/04/11	EPA 6010B	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	

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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SR06-SS1_0.5-0.5 (1105290-01) Soil Sampled: 10/28/11 15:15 Received: 10/31/11 14:25										
% Solids	84			%	1	B1K0805	11/08/11	11/08/11	% calculation	
SR21-SS1_0.5-0.5 (1105290-02) Soil Sampled: 10/28/11 15:30 Received: 10/31/11 14:25										
% Solids	87			%	1	B1K0805	11/08/11	11/08/11	% calculation	
SR41-SS1_0.5-0.5 (1105290-03) Soil Sampled: 10/28/11 15:45 Received: 10/31/11 14:25										
% Solids	82			%	1	B1K0805	11/08/11	11/08/11	% calculation	
TR16-SS1_0.5-0.5 (1105290-04) Soil Sampled: 10/28/11 11:45 Received: 10/31/11 14:25										
% Solids	87			%	1	B1K0805	11/08/11	11/08/11	% calculation	
10SD-SS1_0.5-0.5 (1105290-05) Soil Sampled: 10/28/11 10:45 Received: 10/31/11 14:25										
% Solids	99			%	1	B1K0805	11/08/11	11/08/11	% calculation	
B5-SS1_0.5-0.5 (1105290-06) Soil Sampled: 10/28/11 14:00 Received: 10/31/11 14:25										
% Solids	74			%	1	B1K0805	11/08/11	11/08/11	% calculation	
B5-SS2_0.5-0.5 (1105290-07) Soil Sampled: 10/28/11 14:30 Received: 10/31/11 14:25										
% Solids	79			%	1	B1K0805	11/08/11	11/08/11	% calculation	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B5-SS1_0.5-0.5 (1105290-06) Soil Sampled: 10/28/11 14:00 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.062	0.66	0.062	mg/kg dry	1	B1K0209	11/02/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.066	0.66	0.066	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.073	0.66	0.073	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.062	0.66	0.062	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.058	0.66	0.058	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.16	1.4	0.16	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.075	1.4	0.075	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.16	1.4	0.16	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.15	1.4	0.15	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.16	1.4	0.16	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.064	1.4	0.064	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.071	0.66	0.071	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.14	1.4	0.14	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.079	0.66	0.079	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.069	0.66	0.069	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.12	1.4	0.12	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.073	0.66	0.073	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.069	1.4	0.069	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.077	0.66	0.077	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.17	1.4	0.17	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.064	1.4	0.064	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.30	3.2	0.30	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.054	0.66	0.054	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.069	1.4	0.069	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.066	0.66	0.066	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.13	1.4	0.13	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.054	1.4	0.054	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.073	0.66	0.073	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.069	0.66	0.069	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.19	1.4	0.19	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.077	0.66	0.077	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.083	0.66	0.083	mg/kg dry	1	"	"	"	"	
Aniline	<0.062	1.4	0.062	mg/kg dry	1	"	"	"	"	
Anthracene	<0.073	0.66	0.073	mg/kg dry	1	"	"	"	"	
Benzidine	<0.38	5.0	0.38	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.083	0.66	0.083	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.085	0.66	0.085	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.087	0.66	0.087	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.087	0.66	0.087	mg/kg dry	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B5-SS1_0.5-0.5 (1105290-06) Soil Sampled: 10/28/11 14:00 Received: 10/31/11 14:25										
Benzo(k)fluoranthene	<0.097	0.66	0.097	mg/kg dry	1	B1K0209	11/02/11	11/02/11	EPA 8270C	
Benzoic acid	1.4	0.66	0.048	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.19	1.4	0.19	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.069	0.66	0.069	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.071	0.66	0.071	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.069	0.66	0.069	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.097	0.66	0.097	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.085	0.66	0.085	mg/kg dry	1	"	"	"	"	
Carbazole	<0.071	0.66	0.071	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.089	0.66	0.089	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.087	0.66	0.087	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.066	0.66	0.066	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.062	0.66	0.062	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.060	0.66	0.060	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.089	0.66	0.089	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.097	0.66	0.097	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.079	0.66	0.079	mg/kg dry	1	"	"	"	"	
Fluorene	<0.071	0.66	0.071	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.073	0.66	0.073	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.060	0.66	0.060	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.048	0.66	0.048	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.060	0.66	0.060	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.081	0.66	0.081	mg/kg dry	1	"	"	"	"	
Isophorone	<0.062	0.66	0.062	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.066	0.66	0.066	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.066	0.66	0.066	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.044	0.66	0.044	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.066	0.66	0.066	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.052	0.66	0.052	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.16	1.4	0.16	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.073	0.66	0.073	mg/kg dry	1	"	"	"	"	
Phenol	<0.14	1.4	0.14	mg/kg dry	1	"	"	"	"	
Pyrene	<0.083	0.66	0.083	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	91.3			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.4			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	72.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.5			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.1			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	79.3			51-99.6 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B5-SS2_0.5-0.5 (1105290-07) Soil										D1
Sampled: 10/28/11 14:30 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.090	0.95	0.090	mg/kg dry	2	B1K0209	11/02/11	11/03/11	EPA 8270C	
1,2-Dichlorobenzene	<0.095	0.95	0.095	mg/kg dry	2	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.10	0.95	0.10	mg/kg dry	2	"	"	"	"	
1,3-Dichlorobenzene	<0.090	0.95	0.090	mg/kg dry	2	"	"	"	"	
1,4-Dichlorobenzene	<0.084	0.95	0.084	mg/kg dry	2	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.23	1.9	0.23	mg/kg dry	2	"	"	"	"	
2,4,5-Trichlorophenol	<0.11	1.9	0.11	mg/kg dry	2	"	"	"	"	
2,4,6-Trichlorophenol	<0.23	1.9	0.23	mg/kg dry	2	"	"	"	"	
2,4-Dichlorophenol	<0.22	1.9	0.22	mg/kg dry	2	"	"	"	"	
2,4-Dimethylphenol	<0.23	1.9	0.23	mg/kg dry	2	"	"	"	"	
2,4-Dinitrophenol	<0.093	1.9	0.093	mg/kg dry	2	"	"	"	"	
2,4-Dinitrotoluene	<0.10	0.95	0.10	mg/kg dry	2	"	"	"	"	
2,6-Dichlorophenol	<0.20	1.9	0.20	mg/kg dry	2	"	"	"	"	
2,6-Dinitrotoluene	<0.11	0.95	0.11	mg/kg dry	2	"	"	"	"	
2-Chloronaphthalene	<0.098	0.95	0.098	mg/kg dry	2	"	"	"	"	
2-Chlorophenol	<0.17	1.9	0.17	mg/kg dry	2	"	"	"	"	
2-Methylnaphthalene	<0.10	0.95	0.10	mg/kg dry	2	"	"	"	"	
2-Methylphenol	<0.098	1.9	0.098	mg/kg dry	2	"	"	"	"	
2-Nitroaniline	<0.11	0.95	0.11	mg/kg dry	2	"	"	"	"	
2-Nitrophenol	<0.25	1.9	0.25	mg/kg dry	2	"	"	"	"	
3&4-Methylphenol	<0.093	1.9	0.093	mg/kg dry	2	"	"	"	"	
3,3'-Dichlorobenzidine	<0.43	4.6	0.43	mg/kg dry	2	"	"	"	"	
3-Nitroaniline	<0.078	0.95	0.078	mg/kg dry	2	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.098	1.9	0.098	mg/kg dry	2	"	"	"	"	
4-Bromophenyl phenyl ether	<0.095	0.95	0.095	mg/kg dry	2	"	"	"	"	
4-Chloro-3-methylphenol	<0.19	1.9	0.19	mg/kg dry	2	"	"	"	"	
4-Chloroaniline	<0.078	1.9	0.078	mg/kg dry	2	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.10	0.95	0.10	mg/kg dry	2	"	"	"	"	
4-Nitroaniline	<0.098	0.95	0.098	mg/kg dry	2	"	"	"	"	
4-Nitrophenol	<0.27	1.9	0.27	mg/kg dry	2	"	"	"	"	
Acenaphthene	<0.11	0.95	0.11	mg/kg dry	2	"	"	"	"	
Acenaphthylene	<0.12	0.95	0.12	mg/kg dry	2	"	"	"	"	
Aniline	<0.090	1.9	0.090	mg/kg dry	2	"	"	"	"	
Anthracene	<0.10	0.95	0.10	mg/kg dry	2	"	"	"	"	
Benzidine	<0.55	7.2	0.55	mg/kg dry	2	"	"	"	"	
Benzo(a)anthracene	<0.12	0.95	0.12	mg/kg dry	2	"	"	"	"	
Benzo(a)pyrene	<0.12	0.95	0.12	mg/kg dry	2	"	"	"	"	
Benzo(b)fluoranthene	<0.12	0.95	0.12	mg/kg dry	2	"	"	"	"	
Benzo(g,h,i)perylene	0.14	0.95	0.12	mg/kg dry	2	"	"	"	"	J

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105290 Date Reported: 11/21/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B5-SS2_0.5-0.5 (1105290-07) Soil										D1
Sampled: 10/28/11 14:30 Received: 10/31/11 14:25										
Benzo(k)fluoranthene	<0.14	0.95	0.14	mg/kg dry	2	B1K0209	11/02/11	11/03/11	EPA 8270C	
Benzoic acid	<0.069	0.95	0.069	mg/kg dry	2	"	"	"	"	
Benzyl alcohol	<0.27	1.9	0.27	mg/kg dry	2	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.098	0.95	0.098	mg/kg dry	2	"	"	"	"	
Bis(2-chloroethyl)ether	<0.10	0.95	0.10	mg/kg dry	2	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.098	0.95	0.098	mg/kg dry	2	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.14	0.95	0.14	mg/kg dry	2	"	"	"	"	
Butyl benzyl phthalate	<0.12	0.95	0.12	mg/kg dry	2	"	"	"	"	
Carbazole	<0.10	0.95	0.10	mg/kg dry	2	"	"	"	"	T-1
Chrysene	<0.13	0.95	0.13	mg/kg dry	2	"	"	"	"	
Dibenz(a,h)anthracene	<0.12	0.95	0.12	mg/kg dry	2	"	"	"	"	
Dibenzofuran	<0.095	0.95	0.095	mg/kg dry	2	"	"	"	"	
Diethyl phthalate	<0.090	0.95	0.090	mg/kg dry	2	"	"	"	"	
Dimethyl phthalate	<0.087	0.95	0.087	mg/kg dry	2	"	"	"	"	
Di-n-butyl phthalate	<0.13	0.95	0.13	mg/kg dry	2	"	"	"	"	
Di-n-octyl phthalate	<0.14	0.95	0.14	mg/kg dry	2	"	"	"	"	
Fluoranthene	<0.11	0.95	0.11	mg/kg dry	2	"	"	"	"	
Fluorene	<0.10	0.95	0.10	mg/kg dry	2	"	"	"	"	
Hexachlorobenzene	<0.10	0.95	0.10	mg/kg dry	2	"	"	"	"	
Hexachlorobutadiene	<0.087	0.95	0.087	mg/kg dry	2	"	"	"	"	
Hexachlorocyclopentadiene	<0.069	0.95	0.069	mg/kg dry	2	"	"	"	"	
Hexachloroethane	<0.087	0.95	0.087	mg/kg dry	2	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.12	0.95	0.12	mg/kg dry	2	"	"	"	"	
Isophorone	<0.090	0.95	0.090	mg/kg dry	2	"	"	"	"	
Naphthalene	<0.095	0.95	0.095	mg/kg dry	2	"	"	"	"	
Nitrobenzene	<0.095	0.95	0.095	mg/kg dry	2	"	"	"	"	
N-Nitrosodimethylamine	<0.064	0.95	0.064	mg/kg dry	2	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.095	0.95	0.095	mg/kg dry	2	"	"	"	"	
N-Nitrosodiphenylamine	<0.075	0.95	0.075	mg/kg dry	2	"	"	"	"	
Pentachlorophenol	<0.23	1.9	0.23	mg/kg dry	2	"	"	"	"	
Phenanthrene	<0.10	0.95	0.10	mg/kg dry	2	"	"	"	"	
Phenol	<0.20	1.9	0.20	mg/kg dry	2	"	"	"	"	
Pyrene	<0.12	0.95	0.12	mg/kg dry	2	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.8			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.9			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	79.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	73.9			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105290 Date Reported: 11/21/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0307 - EPA 200.7/3005A Digestion

Blank (B1K0307-BLK1)

Prepared: 11/03/11 Analyzed: 11/04/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							

LCS (B1K0307-BS1)

Prepared: 11/03/11 Analyzed: 11/04/11

Arsenic	0.411	0.010	0.0011	mg/L	0.399		103	80-120			
Barium	0.433	0.020	0.0012	mg/L	0.399		109	80-120			
Cadmium	0.415	0.0010	0.00013	mg/L	0.399		104	80-120			
Chromium	0.423	0.010	0.00024	mg/L	0.399		106	80-120			
Lead	0.409	0.0030	0.00042	mg/L	0.399		102	80-120			
Selenium	0.411	0.020	0.0019	mg/L	0.399		103	80-120			
Silver	0.0422	0.0050	0.00031	mg/L	0.0399		106	80-120			

LCS Dup (B1K0307-BSD1)

Prepared: 11/03/11 Analyzed: 11/04/11

Arsenic	0.407	0.010	0.0011	mg/L	0.399		102	80-120	1.12	20	
Barium	0.428	0.020	0.0012	mg/L	0.399		107	80-120	1.18	20	
Cadmium	0.411	0.0010	0.00013	mg/L	0.399		103	80-120	0.843	20	
Chromium	0.418	0.010	0.00024	mg/L	0.399		105	80-120	1.39	20	
Lead	0.404	0.0030	0.00042	mg/L	0.399		101	80-120	1.16	20	
Selenium	0.408	0.020	0.0019	mg/L	0.399		102	80-120	0.821	20	
Silver	0.0419	0.0050	0.00031	mg/L	0.0399		105	80-120	0.788	20	

Matrix Spike (B1K0307-MS1)

Source: 1105290-08

Prepared: 11/03/11 Analyzed: 11/04/11

Arsenic	0.406	0.010	0.0011	mg/L	0.399	<0.010	102	75-125			
Barium	0.430	0.020	0.0012	mg/L	0.399	<0.020	108	75-125			
Cadmium	0.408	0.0010	0.00013	mg/L	0.399	<0.0010	102	75-125			
Chromium	0.417	0.010	0.00024	mg/L	0.399	<0.010	105	75-125			
Lead	0.405	0.0030	0.00042	mg/L	0.399	<0.0030	101	75-125			
Selenium	0.400	0.020	0.0019	mg/L	0.399	<0.020	100	75-125			
Silver	0.0416	0.0050	0.00031	mg/L	0.0399	<0.0050	104	75-125			

Matrix Spike Dup (B1K0307-MSD1)

Source: 1105290-08

Prepared: 11/03/11 Analyzed: 11/04/11

Arsenic	0.406	0.010	0.0011	mg/L	0.399	<0.010	102	75-125	0.229	20	
Barium	0.430	0.020	0.0012	mg/L	0.399	<0.020	108	75-125	0.0940	20	
Cadmium	0.411	0.0010	0.00013	mg/L	0.399	<0.0010	103	75-125	0.681	20	
Chromium	0.418	0.010	0.00024	mg/L	0.399	<0.010	105	75-125	0.322	20	
Lead	0.405	0.0030	0.00042	mg/L	0.399	<0.0030	101	75-125	0.0783	20	
Selenium	0.407	0.020	0.0019	mg/L	0.399	<0.020	102	75-125	1.72	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105290 Date Reported: 11/21/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0307 - EPA 200.7/3005A Digestion

Matrix Spike Dup (B1K0307-MSD1) Source: 1105290-08 Prepared: 11/03/11 Analyzed: 11/04/11

Silver	0.0423	0.0050	0.00031	mg/L	0.0399	<0.0050	106	75-125	1.49	20	
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Batch B1K0411 - EPA 7471A

Blank (B1K0411-BLK1) Prepared: 11/04/11 Analyzed: 11/07/11

Mercury	< 0.10	0.10	0.019	mg/kg wet							
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LCS (B1K0411-BS1) Prepared: 11/04/11 Analyzed: 11/07/11

Mercury	0.200	0.10	0.019	mg/kg wet	0.200		100	80-120			
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LCS Dup (B1K0411-BSD1) Prepared: 11/04/11 Analyzed: 11/07/11

Mercury	0.200	0.10	0.019	mg/kg wet	0.200		100	80-120	0.00	20	
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Matrix Spike (B1K0411-MS1) Source: 1105287-01 Prepared: 11/04/11 Analyzed: 11/07/11

Mercury	0.194	0.096	0.018	mg/kg dry	0.191	<0.096	102	75-125			
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Matrix Spike Dup (B1K0411-MSD1) Source: 1105287-01 Prepared: 11/04/11 Analyzed: 11/07/11

Mercury	0.195	0.096	0.018	mg/kg dry	0.193	<0.096	101	75-125	0.466	20	
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Batch B1K0703 - EPA 3050B

Blank (B1K0703-BLK1) Prepared & Analyzed: 11/07/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1K0703-BS1) Prepared & Analyzed: 11/07/11

Arsenic	40.6	0.50	0.055	mg/kg wet	39.9		102	80-120			
Barium	41.4	1.0	0.060	mg/kg wet	39.9		104	80-120			
Cadmium	41.0	0.25	0.033	mg/kg wet	39.9		103	80-120			
Chromium	41.6	0.50	0.012	mg/kg wet	39.9		104	80-120			
Lead	41.8	1.0	0.14	mg/kg wet	39.9		105	80-120			
Selenium	40.5	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.10	0.25	0.016	mg/kg wet	3.99		103	80-120			

LCS Dup (B1K0703-BSD1) Prepared & Analyzed: 11/07/11

Arsenic	41.0	0.50	0.055	mg/kg wet	39.9		103	80-120	0.837	20	
Barium	41.6	1.0	0.060	mg/kg wet	39.9		104	80-120	0.348	20	
Cadmium	41.4	0.25	0.033	mg/kg wet	39.9		104	80-120	0.857	20	
Chromium	41.9	0.50	0.012	mg/kg wet	39.9		105	80-120	0.842	20	
Lead	42.2	1.0	0.14	mg/kg wet	39.9		106	80-120	0.966	20	
Selenium	41.1	1.0	0.095	mg/kg wet	39.9		103	80-120	1.30	20	

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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0703 - EPA 3050B											
LCS Dup (B1K0703-BSD1)											
						Prepared & Analyzed: 11/07/11					
Silver	4.15	0.25	0.016	mg/kg wet	3.99		104	80-120	1.12	20	
Matrix Spike (B1K0703-MS1)											
						Source: 1105290-05 Prepared & Analyzed: 11/07/11					
Arsenic	42.5	0.51	0.056	mg/kg dry	40.2	2.32	99.9	75-125			
Barium	53.5	1.0	0.061	mg/kg dry	40.2	13.7	99.1	75-125			
Cadmium	41.4	0.25	0.033	mg/kg dry	40.2	<0.25	103	75-125			
Chromium	47.1	0.51	0.012	mg/kg dry	40.2	7.19	99.4	75-125			
Lead	77.1	1.0	0.14	mg/kg dry	40.2	31.6	113	75-125			
Selenium	40.1	1.0	0.096	mg/kg dry	40.2	<1.0	99.9	75-125			
Silver	4.17	0.25	0.016	mg/kg dry	4.02	<0.25	104	75-125			
Matrix Spike Dup (B1K0703-MSD1)											
						Source: 1105290-05 Prepared & Analyzed: 11/07/11					
Arsenic	40.1	0.48	0.052	mg/kg dry	38.1	2.32	99.3	75-125	5.64	20	
Barium	50.6	0.95	0.057	mg/kg dry	38.1	13.7	97.2	75-125	5.46	20	
Cadmium	38.8	0.24	0.031	mg/kg dry	38.1	<0.24	102	75-125	6.31	20	
Chromium	45.4	0.48	0.011	mg/kg dry	38.1	7.19	100	75-125	3.84	20	
Lead	71.0	0.95	0.13	mg/kg dry	38.1	31.6	103	75-125	8.24	20	
Selenium	38.0	0.95	0.091	mg/kg dry	38.1	<0.95	99.8	75-125	5.46	20	
Silver	3.90	0.24	0.015	mg/kg dry	3.81	<0.24	103	75-125	6.62	20	
Batch B1K0912 - EPA 245.1/7470A Digestion											
Blank (B1K0912-BLK1)											
						Prepared & Analyzed: 11/09/11					
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1K0912-BS1)											
						Prepared & Analyzed: 11/09/11					
Mercury	0.00199	0.00020	0.000037	mg/L	0.00200		99.5	80-120			
LCS Dup (B1K0912-BSD1)											
						Prepared & Analyzed: 11/09/11					
Mercury	0.00197	0.00020	0.000037	mg/L	0.00200		98.5	80-120	1.01	20	
Matrix Spike (B1K0912-MS1)											
						Source: 1105290-08 Prepared & Analyzed: 11/09/11					
Mercury	0.00196	0.00020	0.000037	mg/L	0.00200	<0.00020	98.0	75-125			
Matrix Spike Dup (B1K0912-MSD1)											
						Source: 1105290-08 Prepared & Analyzed: 11/09/11					
Mercury	0.00198	0.00020	0.000037	mg/L	0.00200	<0.00020	99.0	75-125	1.02	20	

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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0805 - General Preparation											
Duplicate (B1K0805-DUP1)			Source: 1105280-10		Prepared & Analyzed: 11/08/11						
% Solids	83.0			%		82.0			1.21	20	
Duplicate (B1K0805-DUP2)			Source: 1105287-06		Prepared & Analyzed: 11/08/11						
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1K0805-DUP3)			Source: 1105290-02		Prepared & Analyzed: 11/08/11						
% Solids	88.0			%		87.0			1.14	20	
Duplicate (B1K0805-DUP4)			Source: 1105382-05		Prepared & Analyzed: 11/08/11						
% Solids	82.0			%		82.0			0.00	20	
Duplicate (B1K0805-DUP5)			Source: 1105382-15		Prepared & Analyzed: 11/08/11						
% Solids	99.0			%		99.0			0.00	20	
Duplicate (B1K0805-DUP6)			Source: 1105382-23		Prepared & Analyzed: 11/08/11						
% Solids	83.0			%		83.0			0.00	20	

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

Blank (B1K0209-BLK1)

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105290 Date Reported: 11/21/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

Blank (B1K0209-BLK1)

Prepared & Analyzed: 11/02/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.10			mg/kg wet	6.67		76.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.41			mg/kg wet	6.67		66.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.28			mg/kg wet	6.67		64.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.42			mg/kg wet	6.67		66.2	48.9-100			
Surrogate: Phenol-d6	4.87			mg/kg wet	6.67		73.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.33			mg/kg wet	6.67		64.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105290 Date Reported: 11/21/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

LCS (B1K0209-BS1)

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	4.17	0.33	0.031	mg/kg wet	6.67		62.6	59.1-87.7			
1,4-Dichlorobenzene	3.97	0.33	0.029	mg/kg wet	6.67		59.5	50.3-72.9			
2,4-Dinitrotoluene	4.62	0.33	0.035	mg/kg wet	6.67		69.3	59.8-82.2			
2-Chlorophenol	4.49	0.67	0.060	mg/kg wet	6.67		67.4	59.7-77.3			
4-Chloro-3-methylphenol	4.42	0.67	0.066	mg/kg wet	6.67		66.3	63.6-80.4			
4-Nitrophenol	4.51	0.67	0.093	mg/kg wet	6.67		67.7	57.3-84.9			
Anthracene	5.59	0.33	0.036	mg/kg wet	6.67		83.9	67.3-88			
Benzo(a)anthracene	5.44	0.33	0.041	mg/kg wet	6.67		81.5	66.5-90.5			
Benzo(a)pyrene	5.58	0.33	0.042	mg/kg wet	6.67		83.7	66.1-89.7			
Chrysene	5.50	0.33	0.044	mg/kg wet	6.67		82.5	65.5-90.5			
Fluoranthene	5.78	0.33	0.039	mg/kg wet	6.67		86.7	66.7-89.9			
Fluorene	5.26	0.33	0.035	mg/kg wet	6.67		79.0	66.2-85.6			
N-Nitrosodi-n-propylamine	4.26	0.33	0.033	mg/kg wet	6.67		63.8	59.4-78			
Pentachlorophenol	4.17	0.67	0.078	mg/kg wet	6.67		62.6	46.7-83.2			
Phenanthrene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.5-87.9			
Phenol	4.34	0.67	0.069	mg/kg wet	6.67		65.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.07			mg/kg wet	6.67		76.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.60			mg/kg wet	6.67		69.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.15			mg/kg wet	6.67		62.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.03			mg/kg wet	6.67		60.4	48.9-100			
Surrogate: Phenol-d6	4.44			mg/kg wet	6.67		66.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.49			mg/kg wet	6.67		67.4	51-99.6			

Matrix Spike (B1K0209-MS1)

Source: 1105289-02

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	6.02	0.73	0.069	mg/kg dry	7.52	<0.73	80.0	44.8-97.9			
1,4-Dichlorobenzene	5.38	0.73	0.064	mg/kg dry	7.52	<0.73	71.6	42.3-77.9			
2,4-Dinitrotoluene	79.7	3.7	0.39	mg/kg dry	7.52	10.1	925	57.3-86.6			QM-05
2-Chlorophenol	6.07	1.5	0.13	mg/kg dry	7.52	<1.5	80.8	43.3-93.2			
4-Chloro-3-methylphenol	6.23	1.5	0.15	mg/kg dry	7.52	<1.5	82.8	47.1-97.6			
4-Nitrophenol	6.45	1.5	0.21	mg/kg dry	7.52	<1.5	85.8	49.3-96.2			
Anthracene	6.68	0.73	0.080	mg/kg dry	7.52	<0.73	81.4	67.5-93.1			
Benzo(a)anthracene	7.06	0.73	0.091	mg/kg dry	7.52	1.96	67.9	59.8-95.7			
Benzo(a)pyrene	7.13	0.73	0.093	mg/kg dry	7.52	2.14	66.3	59.8-92.7			
Chrysene	7.71	0.73	0.098	mg/kg dry	7.52	2.49	69.4	62.5-94.6			
Fluoranthene	7.55	0.73	0.087	mg/kg dry	7.52	4.48	40.8	61.3-92.8			QM-05
Fluorene	6.57	0.73	0.078	mg/kg dry	7.52	<0.73	84.9	62.8-92.6			
N-Nitrosodi-n-propylamine	6.55	0.73	0.073	mg/kg dry	7.52	<0.73	87.1	46.9-89.9			
Pentachlorophenol	5.72	1.5	0.17	mg/kg dry	7.52	<1.5	76.1	40.1-95.1			
Phenanthrene	7.13	0.73	0.080	mg/kg dry	7.52	2.82	57.3	65.2-92.2			QM-05
Phenol	6.05	1.5	0.15	mg/kg dry	7.52	<1.5	80.4	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105290 Date Reported: 11/21/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

Matrix Spike (B1K0209-MS1)

Source: 1105289-02

Prepared & Analyzed: 11/02/11

Surrogate: 2,4,6-Tribromophenol	6.66			mg/kg dry	7.52		88.6	53-107			
Surrogate: 2-Fluorobiphenyl	6.33			mg/kg dry	7.52		84.2	53.9-97.9			
Surrogate: 2-Fluorophenol	6.15			mg/kg dry	7.52		81.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.10			mg/kg dry	7.52		81.2	48.9-100			
Surrogate: Phenol-d6	6.47			mg/kg dry	7.52		86.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.76			mg/kg dry	7.52		76.6	51-99.6			

Matrix Spike Dup (B1K0209-MSD1)

Source: 1105289-02

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	5.98	0.73	0.069	mg/kg dry	7.43	<0.73	80.6	44.8-97.9	0.539	19.6	
1,4-Dichlorobenzene	5.29	0.73	0.064	mg/kg dry	7.43	<0.73	71.2	42.3-77.9	1.78	22.4	
2,4-Dinitrotoluene	33.1	3.7	0.39	mg/kg dry	7.43	10.1	309	57.3-86.6	82.8	19.5	QM-05, QR-03
2-Chlorophenol	6.01	1.5	0.13	mg/kg dry	7.43	<1.5	80.9	43.3-93.2	1.03	23.7	
4-Chloro-3-methylphenol	6.53	1.5	0.15	mg/kg dry	7.43	<1.5	87.9	47.1-97.6	4.80	18.3	
4-Nitrophenol	7.04	1.5	0.21	mg/kg dry	7.43	<1.5	94.7	49.3-96.2	8.71	20.4	
Anthracene	6.68	0.73	0.080	mg/kg dry	7.43	<0.73	82.4	67.5-93.1	0.0105	19.9	
Benzo(a)anthracene	7.27	0.73	0.091	mg/kg dry	7.43	1.96	71.5	59.8-95.7	2.92	23.4	
Benzo(a)pyrene	7.45	0.73	0.093	mg/kg dry	7.43	2.14	71.4	59.8-92.7	4.38	21.1	
Chrysene	7.98	0.73	0.098	mg/kg dry	7.43	2.49	73.9	62.5-94.6	3.52	24.8	
Fluoranthene	8.22	0.73	0.087	mg/kg dry	7.43	4.48	50.4	61.3-92.8	8.58	21.8	QM-05
Fluorene	6.58	0.73	0.078	mg/kg dry	7.43	<0.73	85.9	62.8-92.6	0.0133	17.6	
N-Nitrosodi-n-propylamine	6.63	0.73	0.073	mg/kg dry	7.43	<0.73	89.3	46.9-89.9	1.25	18.9	
Pentachlorophenol	6.37	1.5	0.17	mg/kg dry	7.43	<1.5	85.8	40.1-95.1	10.7	19.7	
Phenanthrene	7.43	0.73	0.080	mg/kg dry	7.43	2.82	62.0	65.2-92.2	4.14	20.5	QM-05
Phenol	6.10	1.5	0.15	mg/kg dry	7.43	<1.5	82.1	44.7-91	0.808	17.9	
Surrogate: 2,4,6-Tribromophenol	6.76			mg/kg dry	7.43		91.1	53-107			
Surrogate: 2-Fluorobiphenyl	6.18			mg/kg dry	7.43		83.2	53.9-97.9			
Surrogate: 2-Fluorophenol	6.02			mg/kg dry	7.43		81.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.14			mg/kg dry	7.43		82.7	48.9-100			
Surrogate: Phenol-d6	6.62			mg/kg dry	7.43		89.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.87			mg/kg dry	7.43		79.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Navy/BG Project Manager: Ms. Andrea Nord	Work Order #: 1105290 Date Reported: 11/21/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
D1	Sample required dilution due to matrix.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
BARR 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1105290

Number of Containers/Preservative
 Water: _____ Soil: _____
 COC 1 of 1

Project Number: 8319 1092.60 48 RE 820

Project Name: Umore East - Navy Burying Ground

Sample Origination State: IA (use two letter postal state abbreviation)

COC Number: **NO 37380**

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	QC	VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (Iared MeOH) #1	GRO, BTEX (Iared MeOH) #1	DRO (Iared unpreserved) Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Disinfectant	Arsenic	Total Number Of Containers	Project Manager: <u>JMG</u>	Project QC Contact: <u>AAW</u>	Sampled by: <u>AKB/SW2</u>	Laboratory: <u>Legend</u>		
						Water	Soil																							
1. SRC6-SS1	.5	.5	ft	10/28/2011	8:15	X	X															X	X	1	Analyte for arsenic					
2. SR21-SS1					15:30	X	X															X	X	1						
3. SR41-SS1					15:45	X	X															X	X	1						
4. TR16-SS1					11:45	X	X															X	X	1						
5. 10SD-SS1					10:45	X	X															X	X	1	Analyte metals					
6. BS-SS1					14:00	X	X															X	X	1	Analyte metals + SVOCs					
7. BS-SS2					14:30	X	X															X	X	1						
8. FB-3				10/28/2011		X	X						X											1	Analyte metals					
9.																														
10.																														

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: Krist Schuyler On Ice? N Date: 10/31/11 Time: 1200

Relinquished By: _____ On Ice? Y Date: _____ Time: _____

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____

Received by: Jelley Ruten Date: 10/31/11 Time: 14:25

Air Bill Number: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

November 08, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105291
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/31/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "Bach Pham", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "Triet Le", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 VH Project Manager: Ms. Andrea Nord	Work Order #: 1105291 Date Reported: 11/08/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
240B-SS1_0.5-0.5	1105291-01	Soil	10/28/11 13:40	10/31/11 14:25
240D-SS1_0.5-0.5	1105291-02	Soil	10/28/11 13:00	10/31/11 14:25

Shipping Container Information

Default Cooler Temperature (°C): 6.4

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

The recoveries for the 8270 compounds 2,4-dinitrotoluene, phenanthrene, fluoranthene and the %RPD for 2,4-dinitrotoluene in the MS/MSD samples for batch B1K0209 were outside laboratory limits due to sample matrix interference. All spike compounds were within limits in the batch LCS. The MS/MSD source sample was not associated with this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 VH Project Manager: Ms. Andrea Nord	Work Order #: 1105291 Date Reported: 11/08/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
240B-SS1_0.5-0.5 (1105291-01) Soil Sampled: 10/28/11 13:40 Received: 10/31/11 14:25										
% Solids	91			%	1	B1K0711	11/07/11	11/07/11	%	calculation
240D-SS1_0.5-0.5 (1105291-02) Soil Sampled: 10/28/11 13:00 Received: 10/31/11 14:25										
% Solids	89			%	1	B1K0711	11/07/11	11/07/11	%	calculation

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 VH Project Manager: Ms. Andrea Nord	Work Order #: 1105291 Date Reported: 11/08/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
240B-SS1_0.5-0.5 (1105291-01) Soil Sampled: 10/28/11 13:40 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	B1K0209	11/02/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.041	0.74	0.041	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.082	0.74	0.082	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.088	0.74	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.066	0.74	0.066	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.093	0.74	0.093	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.035	0.74	0.035	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.037	0.74	0.037	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.073	0.74	0.073	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.74	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.042	0.36	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Aniline	<0.034	0.74	0.034	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.7	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 VH Project Manager: Ms. Andrea Nord	Work Order #: 1105291 Date Reported: 11/08/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
240B-SS1_0.5-0.5 (1105291-01) Soil Sampled: 10/28/11 13:40 Received: 10/31/11 14:25										
Benzo(k)fluoranthene	<0.053	0.36	0.053	mg/kg dry	1	B1K0209	11/02/11	11/02/11	EPA 8270C	
Benzoic acid	0.45	0.36	0.026	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.10	0.74	0.10	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.046	0.36	0.046	mg/kg dry	1	"	"	"	"	
Carbazole	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.047	0.36	0.047	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.048	0.36	0.048	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.053	0.36	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.043	0.36	0.043	mg/kg dry	1	"	"	"	"	
Fluorene	<0.038	0.36	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.044	0.36	0.044	mg/kg dry	1	"	"	"	"	
Isophorone	<0.034	0.36	0.034	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.086	0.74	0.086	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.74	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	95.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	74.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	82.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	68.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 VH Project Manager: Ms. Andrea Nord	Work Order #: 1105291 Date Reported: 11/08/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
240D-SS1_0.5-0.5 (1105291-02) Soil Sampled: 10/28/11 13:00 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	B1K0209	11/02/11	11/03/11	EPA 8270C	
1,2-Dichlorobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.033	0.37	0.033	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.042	0.75	0.042	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.084	0.75	0.084	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.090	0.75	0.090	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.067	0.75	0.067	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.096	0.75	0.096	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.75	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.17	1.8	0.17	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.030	0.37	0.030	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.038	0.75	0.038	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.074	0.75	0.074	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.030	0.75	0.030	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.10	0.75	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.043	0.37	0.043	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Aniline	<0.035	0.75	0.035	mg/kg dry	1	"	"	"	"	
Anthracene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Benzidine	<0.21	2.8	0.21	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Benzo(a)pyrene	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 VH Project Manager: Ms. Andrea Nord	Work Order #: 1105291 Date Reported: 11/08/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
240D-SS1_0.5-0.5 (1105291-02) Soil Sampled: 10/28/11 13:00 Received: 10/31/11 14:25										
Benzo(k)fluoranthene	<0.054	0.37	0.054	mg/kg dry	1	B1K0209	11/02/11	11/03/11	EPA 8270C	
Benzoic acid	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.11	0.75	0.11	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.038	0.37	0.038	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.047	0.37	0.047	mg/kg dry	1	"	"	"	"	
Carbazole	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	T-1
Chrysene	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.048	0.37	0.048	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.37	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.054	0.37	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.044	0.37	0.044	mg/kg dry	1	"	"	"	"	
Fluorene	<0.039	0.37	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.027	0.37	0.027	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.37	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.045	0.37	0.045	mg/kg dry	1	"	"	"	"	
Isophorone	<0.035	0.37	0.035	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.025	0.37	0.025	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.037	0.37	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.029	0.37	0.029	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.088	0.75	0.088	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.040	0.37	0.040	mg/kg dry	1	"	"	"	"	
Phenol	<0.078	0.75	0.078	mg/kg dry	1	"	"	"	"	
Pyrene	<0.046	0.37	0.046	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	101			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	75.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	74.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	85.0			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	75.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 VH Project Manager: Ms. Andrea Nord	Work Order #: 1105291 Date Reported: 11/08/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1K0711 - General Preparation												
Duplicate (B1K0711-DUP1)							Source: 1105285-02					Prepared & Analyzed: 11/07/11
% Solids	96.0			%		96.0			0.00	20		
Duplicate (B1K0711-DUP2)							Source: 1105291-02					Prepared & Analyzed: 11/07/11
% Solids	90.0			%		89.0			1.12	20		
Duplicate (B1K0711-DUP3)							Source: 1105364-04					Prepared & Analyzed: 11/07/11
% Solids	92.0			%		92.0			0.00	20		
Duplicate (B1K0711-DUP4)							Source: 1105374-01					Prepared & Analyzed: 11/07/11
% Solids	90.0			%		90.0			0.00	20		

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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

Blank (B1K0209-BLK1)

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 VH Project Manager: Ms. Andrea Nord	Work Order #: 1105291 Date Reported: 11/08/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

Blank (B1K0209-BLK1)

Prepared & Analyzed: 11/02/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.10			mg/kg wet	6.67		76.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.41			mg/kg wet	6.67		66.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.28			mg/kg wet	6.67		64.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.42			mg/kg wet	6.67		66.2	48.9-100			
Surrogate: Phenol-d6	4.87			mg/kg wet	6.67		73.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.33			mg/kg wet	6.67		64.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 VH Project Manager: Ms. Andrea Nord	Work Order #: 1105291 Date Reported: 11/08/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

LCS (B1K0209-BS1)

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	4.17	0.33	0.031	mg/kg wet	6.67		62.6	59.1-87.7			
1,4-Dichlorobenzene	3.97	0.33	0.029	mg/kg wet	6.67		59.5	50.3-72.9			
2,4-Dinitrotoluene	4.62	0.33	0.035	mg/kg wet	6.67		69.3	59.8-82.2			
2-Chlorophenol	4.49	0.67	0.060	mg/kg wet	6.67		67.4	59.7-77.3			
4-Chloro-3-methylphenol	4.42	0.67	0.066	mg/kg wet	6.67		66.3	63.6-80.4			
4-Nitrophenol	4.51	0.67	0.093	mg/kg wet	6.67		67.7	57.3-84.9			
Anthracene	5.59	0.33	0.036	mg/kg wet	6.67		83.9	67.3-88			
Benzo(a)anthracene	5.44	0.33	0.041	mg/kg wet	6.67		81.5	66.5-90.5			
Benzo(a)pyrene	5.58	0.33	0.042	mg/kg wet	6.67		83.7	66.1-89.7			
Chrysene	5.50	0.33	0.044	mg/kg wet	6.67		82.5	65.5-90.5			
Fluoranthene	5.78	0.33	0.039	mg/kg wet	6.67		86.7	66.7-89.9			
Fluorene	5.26	0.33	0.035	mg/kg wet	6.67		79.0	66.2-85.6			
N-Nitrosodi-n-propylamine	4.26	0.33	0.033	mg/kg wet	6.67		63.8	59.4-78			
Pentachlorophenol	4.17	0.67	0.078	mg/kg wet	6.67		62.6	46.7-83.2			
Phenanthrene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.5-87.9			
Phenol	4.34	0.67	0.069	mg/kg wet	6.67		65.1	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	5.07			mg/kg wet	6.67		76.1	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.60			mg/kg wet	6.67		69.0	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.15			mg/kg wet	6.67		62.3	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.03			mg/kg wet	6.67		60.4	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.44			mg/kg wet	6.67		66.6	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.49			mg/kg wet	6.67		67.4	51-99.6			

Matrix Spike (B1K0209-MS1)

Source: 1105289-02

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	6.02	0.73	0.069	mg/kg dry	7.52	<0.73	80.0	44.8-97.9			
1,4-Dichlorobenzene	5.38	0.73	0.064	mg/kg dry	7.52	<0.73	71.6	42.3-77.9			
2,4-Dinitrotoluene	79.7	3.7	0.39	mg/kg dry	7.52	10.1	925	57.3-86.6			QM-05
2-Chlorophenol	6.07	1.5	0.13	mg/kg dry	7.52	<1.5	80.8	43.3-93.2			
4-Chloro-3-methylphenol	6.23	1.5	0.15	mg/kg dry	7.52	<1.5	82.8	47.1-97.6			
4-Nitrophenol	6.45	1.5	0.21	mg/kg dry	7.52	<1.5	85.8	49.3-96.2			
Anthracene	6.68	0.73	0.080	mg/kg dry	7.52	<0.73	81.4	67.5-93.1			
Benzo(a)anthracene	7.06	0.73	0.091	mg/kg dry	7.52	1.96	67.9	59.8-95.7			
Benzo(a)pyrene	7.13	0.73	0.093	mg/kg dry	7.52	2.14	66.3	59.8-92.7			
Chrysene	7.71	0.73	0.098	mg/kg dry	7.52	2.49	69.4	62.5-94.6			
Fluoranthene	7.55	0.73	0.087	mg/kg dry	7.52	4.48	40.8	61.3-92.8			QM-05
Fluorene	6.57	0.73	0.078	mg/kg dry	7.52	<0.73	84.9	62.8-92.6			
N-Nitrosodi-n-propylamine	6.55	0.73	0.073	mg/kg dry	7.52	<0.73	87.1	46.9-89.9			
Pentachlorophenol	5.72	1.5	0.17	mg/kg dry	7.52	<1.5	76.1	40.1-95.1			
Phenanthrene	7.13	0.73	0.080	mg/kg dry	7.52	2.82	57.3	65.2-92.2			QM-05
Phenol	6.05	1.5	0.15	mg/kg dry	7.52	<1.5	80.4	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 VH Project Manager: Ms. Andrea Nord	Work Order #: 1105291 Date Reported: 11/08/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

Matrix Spike (B1K0209-MS1)

Source: 1105289-02

Prepared & Analyzed: 11/02/11

Surrogate: 2,4,6-Tribromophenol	6.66			mg/kg dry	7.52		88.6	53-107			
Surrogate: 2-Fluorobiphenyl	6.33			mg/kg dry	7.52		84.2	53.9-97.9			
Surrogate: 2-Fluorophenol	6.15			mg/kg dry	7.52		81.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.10			mg/kg dry	7.52		81.2	48.9-100			
Surrogate: Phenol-d6	6.47			mg/kg dry	7.52		86.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.76			mg/kg dry	7.52		76.6	51-99.6			

Matrix Spike Dup (B1K0209-MSD1)

Source: 1105289-02

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	5.98	0.73	0.069	mg/kg dry	7.43	<0.73	80.6	44.8-97.9	0.539	19.6	
1,4-Dichlorobenzene	5.29	0.73	0.064	mg/kg dry	7.43	<0.73	71.2	42.3-77.9	1.78	22.4	
2,4-Dinitrotoluene	33.1	3.7	0.39	mg/kg dry	7.43	10.1	309	57.3-86.6	82.8	19.5	QM-05, QR-03
2-Chlorophenol	6.01	1.5	0.13	mg/kg dry	7.43	<1.5	80.9	43.3-93.2	1.03	23.7	
4-Chloro-3-methylphenol	6.53	1.5	0.15	mg/kg dry	7.43	<1.5	87.9	47.1-97.6	4.80	18.3	
4-Nitrophenol	7.04	1.5	0.21	mg/kg dry	7.43	<1.5	94.7	49.3-96.2	8.71	20.4	
Anthracene	6.68	0.73	0.080	mg/kg dry	7.43	<0.73	82.4	67.5-93.1	0.0105	19.9	
Benzo(a)anthracene	7.27	0.73	0.091	mg/kg dry	7.43	1.96	71.5	59.8-95.7	2.92	23.4	
Benzo(a)pyrene	7.45	0.73	0.093	mg/kg dry	7.43	2.14	71.4	59.8-92.7	4.38	21.1	
Chrysene	7.98	0.73	0.098	mg/kg dry	7.43	2.49	73.9	62.5-94.6	3.52	24.8	
Fluoranthene	8.22	0.73	0.087	mg/kg dry	7.43	4.48	50.4	61.3-92.8	8.58	21.8	QM-05
Fluorene	6.58	0.73	0.078	mg/kg dry	7.43	<0.73	85.9	62.8-92.6	0.0133	17.6	
N-Nitrosodi-n-propylamine	6.63	0.73	0.073	mg/kg dry	7.43	<0.73	89.3	46.9-89.9	1.25	18.9	
Pentachlorophenol	6.37	1.5	0.17	mg/kg dry	7.43	<1.5	85.8	40.1-95.1	10.7	19.7	
Phenanthrene	7.43	0.73	0.080	mg/kg dry	7.43	2.82	62.0	65.2-92.2	4.14	20.5	QM-05
Phenol	6.10	1.5	0.15	mg/kg dry	7.43	<1.5	82.1	44.7-91	0.808	17.9	
Surrogate: 2,4,6-Tribromophenol	6.76			mg/kg dry	7.43		91.1	53-107			
Surrogate: 2-Fluorobiphenyl	6.18			mg/kg dry	7.43		83.2	53.9-97.9			
Surrogate: 2-Fluorophenol	6.02			mg/kg dry	7.43		81.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.14			mg/kg dry	7.43		82.7	48.9-100			
Surrogate: Phenol-d6	6.62			mg/kg dry	7.43		89.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.87			mg/kg dry	7.43		79.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 VH Project Manager: Ms. Andrea Nord	Work Order #: 1105291 Date Reported: 11/08/11
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Notes and Definitions

T-1 MDH does not offer certification for this parameter.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

< Less than value listed

dry Sample results reported on a dry weight basis

NA Not applicable. The %RPD is not calculated from values less than the reporting limit.


MDL Method Detection Limit

RL Reporting Limit

RPD Relative Percent Difference

LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)

MS Matrix Spike = Laboratory Fortified Matrix (LFM)

 Chain of Custody 4700 West 77th Street Minneapolis, MN 55435-4803 (952) 832-2600		1105291																					
Project Number: <u>2319 1092.00 488I 880</u>																							
Project Name: <u>Umore East - V4</u>																							
Sample Origination State: <u>IN</u> (use two letter postal state abbreviation)																							
COC Number:		No 37394																					
Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved) Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number of Containers	Laboratory: <u>Legend</u>
						Water	Soil	Grab	Comp.														
1) 240B-SSI	.5	.5	ft	10/28/2011	13:40	X		X												X	X	1	Analyse for SVOCs
2) 240D-SSI	.5	.5	ft	10/28/2011	13:00	X		X												X	X	1	↓
3.																							
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							

Relinquished By: <u>Krist Schiple</u>		On Ice? <input checked="" type="checkbox"/> N	Date: <u>10/31/11</u>	Time: <u>1200</u>	Received by:	Date:	Time:
Relinquished By:		On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Date:	Time:	Received by: <u>Lellejfocker</u>	Date: <u>10/31/11</u>	Time: <u>14:25</u>
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input type="checkbox"/> Federal Express <input type="checkbox"/> Sampler					Air Bill Number:		
Other: <u>RR/Cust 642</u>							

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: RR/Cust 642

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

November 08, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105292
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/31/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "Bach Pham", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "Triet Le", written over a horizontal line.

Triet Le
Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
501C-SS6_0-0.5	1105292-01	Soil	10/28/11 15:00	10/31/11 14:25
COAL-C5-SS1	1105292-02	Other	10/28/11 16:00	10/31/11 14:25
COAL-C7-SS1	1105292-03	Other	10/28/11 16:15	10/31/11 14:25

Shipping Container Information

Default Cooler Temperature (°C): 6.4

Received on ice: Yes Temperature blank was present Received on ice pack: No
Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
Custody seals: Yes

Case Narrative:

The recoveries for the 8270 compounds 2,4-dinitrotoluene, phenanthrene, fluoranthene and the %RPD for 2,4-dinitrotoluene in the MS/MSD samples for batch B1K0209 were outside laboratory limits due to sample matrix interference. All spike compounds were within limits in the batch LCS. The MS/MSD source sample was not associated with this work order.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501C-SS6_0-0.5 (1105292-01) Soil Sampled: 10/28/11 15:00 Received: 10/31/11 14:25										
Arsenic	4.6	0.54	0.060	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Barium	77	1.1	0.065	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.036	mg/kg dry	1	"	"	"	"	
Chromium	13	0.54	0.013	mg/kg dry	1	"	"	"	"	
Lead	15	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.093	0.093	0.018	mg/kg dry	1	B1K0411	11/04/11	11/08/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Silver	<0.27	0.27	0.017	mg/kg dry	1	"	"	"	"	
COAL-C5-SS1 (1105292-02) Other Sampled: 10/28/11 16:00 Received: 10/31/11 14:25										
Arsenic	<0.50	0.50	0.055	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Barium	7.7	1.0	0.060	mg/kg dry	1	"	"	"	"	
Cadmium	<0.25	0.25	0.033	mg/kg dry	1	"	"	"	"	
Chromium	0.95	0.50	0.012	mg/kg dry	1	"	"	"	"	
Lead	3.1	1.0	0.14	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.020	mg/kg dry	1	B1K0411	11/04/11	11/08/11	EPA 7471A	
Selenium	<1.0	1.0	0.095	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Silver	<0.25	0.25	0.016	mg/kg dry	1	"	"	"	"	
COAL-C7-SS1 (1105292-03) Other Sampled: 10/28/11 16:15 Received: 10/31/11 14:25										
Arsenic	<0.53	0.53	0.058	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Barium	3.4	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	<0.53	0.53	0.013	mg/kg dry	1	"	"	"	"	
Lead	1.9	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.091	0.091	0.017	mg/kg dry	1	B1K0411	11/04/11	11/08/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1K0701	11/07/11	11/07/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
501C-SS6_0-0.5 (1105292-01) Soil Sampled: 10/28/11 15:00 Received: 10/31/11 14:25										
% Solids	92			%	1	B1K0711	11/07/11	11/07/11	% calculation	
COAL-C5-SS1 (1105292-02) Other Sampled: 10/28/11 16:00 Received: 10/31/11 14:25										
% Solids	93			%	1	B1K0711	11/07/11	11/07/11	% calculation	
COAL-C7-SS1 (1105292-03) Other Sampled: 10/28/11 16:15 Received: 10/31/11 14:25										
% Solids	95			%	1	B1K0711	11/07/11	11/07/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
COAL-C5-SS1 (1105292-02) Other Sampled: 10/28/11 16:00 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.060	0.64	0.060	mg/kg dry	1	B1K0209	11/02/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.064	0.64	0.064	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.069	0.64	0.069	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.060	0.64	0.060	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.056	0.64	0.056	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.15	1.3	0.15	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.071	1.3	0.071	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.15	1.3	0.15	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.14	1.3	0.14	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.15	1.3	0.15	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.062	1.3	0.062	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.068	0.64	0.068	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.13	1.3	0.13	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.075	0.64	0.075	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.066	0.64	0.066	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.12	1.3	0.12	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	0.18	0.64	0.069	mg/kg dry	1	"	"	"	"	J
2-Methylphenol	<0.066	1.3	0.066	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.073	0.64	0.073	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.16	1.3	0.16	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.062	1.3	0.062	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.29	3.1	0.29	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.052	0.64	0.052	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.066	1.3	0.066	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.064	0.64	0.064	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.13	1.3	0.13	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.052	1.3	0.052	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.069	0.64	0.069	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.066	0.64	0.066	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.18	1.3	0.18	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.073	0.64	0.073	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.079	0.64	0.079	mg/kg dry	1	"	"	"	"	
Aniline	<0.060	1.3	0.060	mg/kg dry	1	"	"	"	"	
Anthracene	0.25	0.64	0.069	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.37	4.8	0.37	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.23	0.64	0.079	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	0.081	0.64	0.081	mg/kg dry	1	"	"	"	"	J
Benzo(b)fluoranthene	0.083	0.64	0.083	mg/kg dry	1	"	"	"	"	J
Benzo(g,h,i)perylene	<0.083	0.64	0.083	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
COAL-C5-SS1 (1105292-02) Other Sampled: 10/28/11 16:00 Received: 10/31/11 14:25										
Benzo(k)fluoranthene	<0.093	0.64	0.093	mg/kg dry	1	B1K0209	11/02/11	11/02/11	EPA 8270C	
Benzoic acid	0.87	0.64	0.046	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.18	1.3	0.18	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.066	0.64	0.066	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.068	0.64	0.068	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.066	0.64	0.066	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.093	0.64	0.093	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.081	0.64	0.081	mg/kg dry	1	"	"	"	"	
Carbazole	<0.068	0.64	0.068	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.15	0.64	0.085	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.083	0.64	0.083	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.064	0.64	0.064	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.060	0.64	0.060	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.058	0.64	0.058	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.085	0.64	0.085	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.093	0.64	0.093	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.20	0.64	0.075	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.068	0.64	0.068	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.069	0.64	0.069	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.058	0.64	0.058	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.046	0.64	0.046	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.058	0.64	0.058	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.077	0.64	0.077	mg/kg dry	1	"	"	"	"	
Isophorone	<0.060	0.64	0.060	mg/kg dry	1	"	"	"	"	
Naphthalene	0.095	0.64	0.064	mg/kg dry	1	"	"	"	"	J
Nitrobenzene	<0.064	0.64	0.064	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.042	0.64	0.042	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.064	0.64	0.064	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.050	0.64	0.050	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.15	1.3	0.15	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.86	0.64	0.069	mg/kg dry	1	"	"	"	"	
Phenol	<0.13	1.3	0.13	mg/kg dry	1	"	"	"	"	
Pyrene	0.26	0.64	0.079	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	100			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	77.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	69.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	65.7			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	66.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	85.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
COAL-C7-SS1 (1105292-03) Other Sampled: 10/28/11 16:15 Received: 10/31/11 14:25										
1,2,4-Trichlorobenzene	<0.082	0.88	0.082	mg/kg dry	1	B1K0209	11/02/11	11/02/11	EPA 8270C	
1,2-Dichlorobenzene	<0.088	0.88	0.088	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.096	0.88	0.096	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.082	0.88	0.082	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.077	0.88	0.077	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.21	1.8	0.21	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.098	1.8	0.098	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.21	1.8	0.21	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.20	1.8	0.20	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.21	1.8	0.21	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.085	1.8	0.085	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.093	0.88	0.093	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.18	1.8	0.18	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.10	0.88	0.10	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.090	0.88	0.090	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.16	1.8	0.16	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.096	0.88	0.096	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.090	1.8	0.090	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.10	0.88	0.10	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.23	1.8	0.23	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.085	1.8	0.085	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.40	4.2	0.40	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.072	0.88	0.072	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.090	1.8	0.090	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.088	0.88	0.088	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.18	1.8	0.18	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.072	1.8	0.072	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.096	0.88	0.096	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.090	0.88	0.090	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.25	1.8	0.25	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.10	0.88	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
Aniline	<0.082	1.8	0.082	mg/kg dry	1	"	"	"	"	
Anthracene	0.20	0.88	0.096	mg/kg dry	1	"	"	"	"	J
Benzidine	<0.50	6.6	0.50	mg/kg dry	1	"	"	"	"	
Benzo(a)anthracene	0.22	0.88	0.11	mg/kg dry	1	"	"	"	"	J
Benzo(a)pyrene	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
Benzo(b)fluoranthene	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
COAL-C7-SS1 (1105292-03) Other Sampled: 10/28/11 16:15 Received: 10/31/11 14:25										
Benzo(k)fluoranthene	<0.13	0.88	0.13	mg/kg dry	1	B1K0209	11/02/11	11/02/11	EPA 8270C	
Benzoic acid	<0.064	0.88	0.064	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.25	1.8	0.25	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.090	0.88	0.090	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.093	0.88	0.093	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.090	0.88	0.090	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.13	0.88	0.13	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
Carbazole	<0.093	0.88	0.093	mg/kg dry	1	"	"	"	"	T-1
Chrysene	0.15	0.88	0.12	mg/kg dry	1	"	"	"	"	J
Dibenz(a,h)anthracene	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.088	0.88	0.088	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.082	0.88	0.082	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.080	0.88	0.080	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.12	0.88	0.12	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.13	0.88	0.13	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.13	0.88	0.10	mg/kg dry	1	"	"	"	"	J
Fluorene	<0.093	0.88	0.093	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.096	0.88	0.096	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.080	0.88	0.080	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.064	0.88	0.064	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.080	0.88	0.080	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.11	0.88	0.11	mg/kg dry	1	"	"	"	"	
Isophorone	<0.082	0.88	0.082	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.088	0.88	0.088	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.088	0.88	0.088	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.058	0.88	0.058	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.088	0.88	0.088	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.069	0.88	0.069	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.21	1.8	0.21	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.60	0.88	0.096	mg/kg dry	1	"	"	"	"	J
Phenol	<0.18	1.8	0.18	mg/kg dry	1	"	"	"	"	
Pyrene	0.21	0.88	0.11	mg/kg dry	1	"	"	"	"	J
Surrogate: 2,4,6-Tribromophenol	98.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	81.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	74.3			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	87.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0411 - EPA 7471A											
Blank (B1K0411-BLK1)						Prepared: 11/04/11 Analyzed: 11/07/11					
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1K0411-BS1)						Prepared: 11/04/11 Analyzed: 11/07/11					
Mercury	0.200	0.10	0.019	mg/kg wet	0.200		100	80-120			
LCS Dup (B1K0411-BSD1)						Prepared: 11/04/11 Analyzed: 11/07/11					
Mercury	0.200	0.10	0.019	mg/kg wet	0.200		100	80-120	0.00	20	
Matrix Spike (B1K0411-MS1)						Source: 1105287-01 Prepared: 11/04/11 Analyzed: 11/07/11					
Mercury	0.194	0.096	0.018	mg/kg dry	0.191	<0.096	102	75-125			
Matrix Spike Dup (B1K0411-MSD1)						Source: 1105287-01 Prepared: 11/04/11 Analyzed: 11/07/11					
Mercury	0.195	0.096	0.018	mg/kg dry	0.193	<0.096	101	75-125	0.466	20	
Batch B1K0701 - EPA 3050B											
Blank (B1K0701-BLK1)						Prepared & Analyzed: 11/07/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							
LCS (B1K0701-BS1)						Prepared & Analyzed: 11/07/11					
Arsenic	40.5	0.50	0.055	mg/kg wet	39.9		101	80-120			
Barium	41.0	1.0	0.060	mg/kg wet	39.9		103	80-120			
Cadmium	40.8	0.25	0.033	mg/kg wet	39.9		102	80-120			
Chromium	41.1	0.50	0.012	mg/kg wet	39.9		103	80-120			
Lead	41.7	1.0	0.14	mg/kg wet	39.9		104	80-120			
Selenium	40.6	1.0	0.095	mg/kg wet	39.9		102	80-120			
Silver	4.09	0.25	0.016	mg/kg wet	3.99		102	80-120			
LCS Dup (B1K0701-BSD1)						Prepared & Analyzed: 11/07/11					
Arsenic	40.6	0.50	0.055	mg/kg wet	39.9		102	80-120	0.417	20	
Barium	41.4	1.0	0.060	mg/kg wet	39.9		104	80-120	0.782	20	
Cadmium	40.9	0.25	0.033	mg/kg wet	39.9		102	80-120	0.314	20	
Chromium	41.3	0.50	0.012	mg/kg wet	39.9		104	80-120	0.549	20	
Lead	41.8	1.0	0.14	mg/kg wet	39.9		105	80-120	0.300	20	
Selenium	40.9	1.0	0.095	mg/kg wet	39.9		102	80-120	0.583	20	
Silver	4.15	0.25	0.016	mg/kg wet	3.99		104	80-120	1.64	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K0701 - EPA 3050B											
Matrix Spike (B1K0701-MS1)		Source: 1105287-01				Prepared & Analyzed: 11/07/11					
Arsenic	40.8	0.51	0.056	mg/kg dry	39.3	2.05	98.7	75-125			
Barium	60.0	1.0	0.061	mg/kg dry	39.3	26.2	86.0	75-125			
Cadmium	39.6	0.26	0.034	mg/kg dry	39.3	<0.26	101	75-125			
Chromium	47.1	0.51	0.012	mg/kg dry	39.3	8.08	99.3	75-125			
Lead	40.1	1.0	0.14	mg/kg dry	39.3	1.69	97.9	75-125			
Selenium	38.4	1.0	0.097	mg/kg dry	39.3	<1.0	97.8	75-125			
Silver	4.03	0.26	0.016	mg/kg dry	3.93	<0.26	103	75-125			
Matrix Spike Dup (B1K0701-MSD1)											
Matrix Spike Dup (B1K0701-MSD1)		Source: 1105287-01				Prepared & Analyzed: 11/07/11					
Arsenic	39.7	0.48	0.053	mg/kg dry	38.1	2.05	98.6	75-125	2.86	20	
Barium	60.2	0.96	0.057	mg/kg dry	38.1	26.2	88.9	75-125	0.231	20	
Cadmium	38.5	0.24	0.032	mg/kg dry	38.1	<0.24	101	75-125	2.96	20	
Chromium	45.6	0.48	0.011	mg/kg dry	38.1	8.08	98.4	75-125	3.19	20	
Lead	38.6	0.96	0.13	mg/kg dry	38.1	1.69	96.7	75-125	3.95	20	
Selenium	37.3	0.96	0.091	mg/kg dry	38.1	<0.96	97.9	75-125	2.81	20	
Silver	3.86	0.24	0.015	mg/kg dry	3.81	<0.24	101	75-125	4.44	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes	
Batch B1K0711 - General Preparation												
Duplicate (B1K0711-DUP1)							Source: 1105285-02					Prepared & Analyzed: 11/07/11
% Solids	96.0			%		96.0			0.00	20		
Duplicate (B1K0711-DUP2)							Source: 1105291-02					Prepared & Analyzed: 11/07/11
% Solids	90.0			%		89.0			1.12	20		
Duplicate (B1K0711-DUP3)							Source: 1105364-04					Prepared & Analyzed: 11/07/11
% Solids	92.0			%		92.0			0.00	20		
Duplicate (B1K0711-DUP4)							Source: 1105374-01					Prepared & Analyzed: 11/07/11
% Solids	90.0			%		90.0			0.00	20		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

Blank (B1K0209-BLK1)

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,2-Dichlorobenzene	< 0.033	0.33	0.033	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.036	0.33	0.036	mg/kg wet							
1,3-Dichlorobenzene	< 0.031	0.33	0.031	mg/kg wet							
1,4-Dichlorobenzene	< 0.029	0.33	0.029	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
2,4,5-Trichlorophenol	< 0.037	0.67	0.037	mg/kg wet							
2,4,6-Trichlorophenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dichlorophenol	< 0.075	0.67	0.075	mg/kg wet							
2,4-Dimethylphenol	< 0.080	0.67	0.080	mg/kg wet							
2,4-Dinitrophenol	< 0.032	0.67	0.032	mg/kg wet							
2,4-Dinitrotoluene	< 0.035	0.33	0.035	mg/kg wet							
2,6-Dichlorophenol	< 0.069	0.67	0.069	mg/kg wet							
2,6-Dinitrotoluene	< 0.039	0.33	0.039	mg/kg wet							
2-Chloronaphthalene	< 0.034	0.33	0.034	mg/kg wet							
2-Chlorophenol	< 0.060	0.67	0.060	mg/kg wet							
2-Methylnaphthalene	< 0.036	0.33	0.036	mg/kg wet							
2-Methylphenol	< 0.034	0.67	0.034	mg/kg wet							
2-Nitroaniline	< 0.038	0.33	0.038	mg/kg wet							
2-Nitrophenol	< 0.085	0.67	0.085	mg/kg wet							
3&4-Methylphenol	< 0.032	0.67	0.032	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.15	1.6	0.15	mg/kg wet							
3-Nitroaniline	< 0.027	0.33	0.027	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.034	0.67	0.034	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.033	0.33	0.033	mg/kg wet							
4-Chloro-3-methylphenol	< 0.066	0.67	0.066	mg/kg wet							
4-Chloroaniline	< 0.027	0.67	0.027	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.036	0.33	0.036	mg/kg wet							
4-Nitroaniline	< 0.034	0.33	0.034	mg/kg wet							
4-Nitrophenol	< 0.093	0.67	0.093	mg/kg wet							
Acenaphthene	< 0.038	0.33	0.038	mg/kg wet							
Acenaphthylene	< 0.041	0.33	0.041	mg/kg wet							
Aniline	< 0.031	0.67	0.031	mg/kg wet							
Anthracene	< 0.036	0.33	0.036	mg/kg wet							
Benzidine	< 0.19	2.5	0.19	mg/kg wet							
Benzo(a)anthracene	< 0.041	0.33	0.041	mg/kg wet							
Benzo(a)pyrene	< 0.042	0.33	0.042	mg/kg wet							
Benzo(b)fluoranthene	< 0.043	0.33	0.043	mg/kg wet							
Benzo(g,h,i)perylene	< 0.043	0.33	0.043	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

Blank (B1K0209-BLK1)

Prepared & Analyzed: 11/02/11

Benzo(k)fluoranthene	< 0.048	0.33	0.048	mg/kg wet							
Benzoic acid	< 0.024	0.33	0.024	mg/kg wet							
Benzyl alcohol	< 0.095	0.67	0.095	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.035	0.33	0.035	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.034	0.33	0.034	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.048	0.33	0.048	mg/kg wet							
Butyl benzyl phthalate	< 0.042	0.33	0.042	mg/kg wet							
Carbazole	< 0.035	0.33	0.035	mg/kg wet							
Chrysene	< 0.044	0.33	0.044	mg/kg wet							
Dibenz(a,h)anthracene	< 0.043	0.33	0.043	mg/kg wet							
Dibenzofuran	< 0.033	0.33	0.033	mg/kg wet							
Diethyl phthalate	< 0.031	0.33	0.031	mg/kg wet							
Dimethyl phthalate	< 0.030	0.33	0.030	mg/kg wet							
Di-n-butyl phthalate	< 0.044	0.33	0.044	mg/kg wet							
Di-n-octyl phthalate	< 0.048	0.33	0.048	mg/kg wet							
Fluoranthene	< 0.039	0.33	0.039	mg/kg wet							
Fluorene	< 0.035	0.33	0.035	mg/kg wet							
Hexachlorobenzene	< 0.036	0.33	0.036	mg/kg wet							
Hexachlorobutadiene	< 0.030	0.33	0.030	mg/kg wet							
Hexachlorocyclopentadiene	< 0.024	0.33	0.024	mg/kg wet							
Hexachloroethane	< 0.030	0.33	0.030	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.040	0.33	0.040	mg/kg wet							
Isophorone	< 0.031	0.33	0.031	mg/kg wet							
Naphthalene	< 0.033	0.33	0.033	mg/kg wet							
Nitrobenzene	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodimethylamine	< 0.022	0.33	0.022	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.033	0.33	0.033	mg/kg wet							
N-Nitrosodiphenylamine	< 0.026	0.33	0.026	mg/kg wet							
Pentachlorophenol	< 0.078	0.67	0.078	mg/kg wet							
Phenanthrene	< 0.036	0.33	0.036	mg/kg wet							
Phenol	< 0.069	0.67	0.069	mg/kg wet							
Pyrene	< 0.041	0.33	0.041	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	5.10			mg/kg wet	6.67		76.6	53-107			
Surrogate: 2-Fluorobiphenyl	4.41			mg/kg wet	6.67		66.1	53.9-97.9			
Surrogate: 2-Fluorophenol	4.28			mg/kg wet	6.67		64.2	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.42			mg/kg wet	6.67		66.2	48.9-100			
Surrogate: Phenol-d6	4.87			mg/kg wet	6.67		73.0	50.4-99.6			
Surrogate: Terphenyl-d14	4.33			mg/kg wet	6.67		64.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

LCS (B1K0209-BS1)

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	4.17	0.33	0.031	mg/kg wet	6.67		62.6	59.1-87.7			
1,4-Dichlorobenzene	3.97	0.33	0.029	mg/kg wet	6.67		59.5	50.3-72.9			
2,4-Dinitrotoluene	4.62	0.33	0.035	mg/kg wet	6.67		69.3	59.8-82.2			
2-Chlorophenol	4.49	0.67	0.060	mg/kg wet	6.67		67.4	59.7-77.3			
4-Chloro-3-methylphenol	4.42	0.67	0.066	mg/kg wet	6.67		66.3	63.6-80.4			
4-Nitrophenol	4.51	0.67	0.093	mg/kg wet	6.67		67.7	57.3-84.9			
Anthracene	5.59	0.33	0.036	mg/kg wet	6.67		83.9	67.3-88			
Benzo(a)anthracene	5.44	0.33	0.041	mg/kg wet	6.67		81.5	66.5-90.5			
Benzo(a)pyrene	5.58	0.33	0.042	mg/kg wet	6.67		83.7	66.1-89.7			
Chrysene	5.50	0.33	0.044	mg/kg wet	6.67		82.5	65.5-90.5			
Fluoranthene	5.78	0.33	0.039	mg/kg wet	6.67		86.7	66.7-89.9			
Fluorene	5.26	0.33	0.035	mg/kg wet	6.67		79.0	66.2-85.6			
N-Nitrosodi-n-propylamine	4.26	0.33	0.033	mg/kg wet	6.67		63.8	59.4-78			
Pentachlorophenol	4.17	0.67	0.078	mg/kg wet	6.67		62.6	46.7-83.2			
Phenanthrene	5.66	0.33	0.036	mg/kg wet	6.67		84.9	67.5-87.9			
Phenol	4.34	0.67	0.069	mg/kg wet	6.67		65.1	59.5-76.6			
Surrogate: 2,4,6-Tribromophenol	5.07			mg/kg wet	6.67		76.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.60			mg/kg wet	6.67		69.0	53.9-97.9			
Surrogate: 2-Fluorophenol	4.15			mg/kg wet	6.67		62.3	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.03			mg/kg wet	6.67		60.4	48.9-100			
Surrogate: Phenol-d6	4.44			mg/kg wet	6.67		66.6	50.4-99.6			
Surrogate: Terphenyl-d14	4.49			mg/kg wet	6.67		67.4	51-99.6			

Matrix Spike (B1K0209-MS1)

Source: 1105289-02

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	6.02	0.73	0.069	mg/kg dry	7.52	<0.73	80.0	44.8-97.9			
1,4-Dichlorobenzene	5.38	0.73	0.064	mg/kg dry	7.52	<0.73	71.6	42.3-77.9			
2,4-Dinitrotoluene	79.7	3.7	0.39	mg/kg dry	7.52	10.1	925	57.3-86.6			QM-05
2-Chlorophenol	6.07	1.5	0.13	mg/kg dry	7.52	<1.5	80.8	43.3-93.2			
4-Chloro-3-methylphenol	6.23	1.5	0.15	mg/kg dry	7.52	<1.5	82.8	47.1-97.6			
4-Nitrophenol	6.45	1.5	0.21	mg/kg dry	7.52	<1.5	85.8	49.3-96.2			
Anthracene	6.68	0.73	0.080	mg/kg dry	7.52	<0.73	81.4	67.5-93.1			
Benzo(a)anthracene	7.06	0.73	0.091	mg/kg dry	7.52	1.96	67.9	59.8-95.7			
Benzo(a)pyrene	7.13	0.73	0.093	mg/kg dry	7.52	2.14	66.3	59.8-92.7			
Chrysene	7.71	0.73	0.098	mg/kg dry	7.52	2.49	69.4	62.5-94.6			
Fluoranthene	7.55	0.73	0.087	mg/kg dry	7.52	4.48	40.8	61.3-92.8			QM-05
Fluorene	6.57	0.73	0.078	mg/kg dry	7.52	<0.73	84.9	62.8-92.6			
N-Nitrosodi-n-propylamine	6.55	0.73	0.073	mg/kg dry	7.52	<0.73	87.1	46.9-89.9			
Pentachlorophenol	5.72	1.5	0.17	mg/kg dry	7.52	<1.5	76.1	40.1-95.1			
Phenanthrene	7.13	0.73	0.080	mg/kg dry	7.52	2.82	57.3	65.2-92.2			QM-05
Phenol	6.05	1.5	0.15	mg/kg dry	7.52	<1.5	80.4	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0209 - EPA 3545 ASE Extraction

Matrix Spike (B1K0209-MS1)

Source: 1105289-02

Prepared & Analyzed: 11/02/11

Surrogate: 2,4,6-Tribromophenol	6.66			mg/kg dry	7.52		88.6	53-107			
Surrogate: 2-Fluorobiphenyl	6.33			mg/kg dry	7.52		84.2	53.9-97.9			
Surrogate: 2-Fluorophenol	6.15			mg/kg dry	7.52		81.8	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.10			mg/kg dry	7.52		81.2	48.9-100			
Surrogate: Phenol-d6	6.47			mg/kg dry	7.52		86.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.76			mg/kg dry	7.52		76.6	51-99.6			

Matrix Spike Dup (B1K0209-MSD1)

Source: 1105289-02

Prepared & Analyzed: 11/02/11

1,2,4-Trichlorobenzene	5.98	0.73	0.069	mg/kg dry	7.43	<0.73	80.6	44.8-97.9	0.539	19.6	
1,4-Dichlorobenzene	5.29	0.73	0.064	mg/kg dry	7.43	<0.73	71.2	42.3-77.9	1.78	22.4	
2,4-Dinitrotoluene	33.1	3.7	0.39	mg/kg dry	7.43	10.1	309	57.3-86.6	82.8	19.5	QM-05, QR-03
2-Chlorophenol	6.01	1.5	0.13	mg/kg dry	7.43	<1.5	80.9	43.3-93.2	1.03	23.7	
4-Chloro-3-methylphenol	6.53	1.5	0.15	mg/kg dry	7.43	<1.5	87.9	47.1-97.6	4.80	18.3	
4-Nitrophenol	7.04	1.5	0.21	mg/kg dry	7.43	<1.5	94.7	49.3-96.2	8.71	20.4	
Anthracene	6.68	0.73	0.080	mg/kg dry	7.43	<0.73	82.4	67.5-93.1	0.0105	19.9	
Benzo(a)anthracene	7.27	0.73	0.091	mg/kg dry	7.43	1.96	71.5	59.8-95.7	2.92	23.4	
Benzo(a)pyrene	7.45	0.73	0.093	mg/kg dry	7.43	2.14	71.4	59.8-92.7	4.38	21.1	
Chrysene	7.98	0.73	0.098	mg/kg dry	7.43	2.49	73.9	62.5-94.6	3.52	24.8	
Fluoranthene	8.22	0.73	0.087	mg/kg dry	7.43	4.48	50.4	61.3-92.8	8.58	21.8	QM-05
Fluorene	6.58	0.73	0.078	mg/kg dry	7.43	<0.73	85.9	62.8-92.6	0.0133	17.6	
N-Nitrosodi-n-propylamine	6.63	0.73	0.073	mg/kg dry	7.43	<0.73	89.3	46.9-89.9	1.25	18.9	
Pentachlorophenol	6.37	1.5	0.17	mg/kg dry	7.43	<1.5	85.8	40.1-95.1	10.7	19.7	
Phenanthrene	7.43	0.73	0.080	mg/kg dry	7.43	2.82	62.0	65.2-92.2	4.14	20.5	QM-05
Phenol	6.10	1.5	0.15	mg/kg dry	7.43	<1.5	82.1	44.7-91	0.808	17.9	
Surrogate: 2,4,6-Tribromophenol	6.76			mg/kg dry	7.43		91.1	53-107			
Surrogate: 2-Fluorobiphenyl	6.18			mg/kg dry	7.43		83.2	53.9-97.9			
Surrogate: 2-Fluorophenol	6.02			mg/kg dry	7.43		81.1	42.5-94.9			
Surrogate: Nitrobenzene-d5	6.14			mg/kg dry	7.43		82.7	48.9-100			
Surrogate: Phenol-d6	6.62			mg/kg dry	7.43		89.1	50.4-99.6			
Surrogate: Terphenyl-d14	5.87			mg/kg dry	7.43		79.0	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Site Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105292 Date Reported: 11/08/11
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Notes and Definitions

T-1	MDH does not offer certification for this parameter.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
J	Parameter was present between the MDL and RL and should be considered an estimated value
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)



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November 17, 2011

REVISION

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105380
RE: 23191092

This is a revised report. The details of the revision are listed in the case narrative on the following page.

Enclosed are the results of analyses for samples received by the laboratory on 10/21/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of the original report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Side Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105380 Date Reported: 11/17/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
U-LWBC5-1	1105380-01	Soil	10/20/11 15:00	10/21/11 12:00

Shipping Container Information

Default Cooler Temperature (°C): 2.4

Received on ice: Yes	Temperature blank was present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: Yes		

Case Narrative:

The recoveries for the 8270 TCLP compounds hexachlorobenzene and 2,4-dinitrotoluene in the MSD and the %RPD for 2,4-dinitrotoluene in the MS/MSD for batch B1K0807 were above laboratory limits. All spike compounds were within limits in the batch LCS/MS. The MS/MSD source sample was not associated with this work order.

This report was revised on November 17, 2011 to add an H4 qualifier to the sample. This report supercedes the report dated November 9, 2011.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Side Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105380 Date Reported: 11/17/11
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TCLP SVOC
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-LWBC5-1 (1105380-01) Soil										H4
Sampled: 10/20/11 15:00										
Received: 10/21/11 12:00										
2,4,5-Trichlorophenol	<0.10	0.10	0.0080	mg/L	1	B1K0807	11/08/11	11/08/11	EPA 1311/8270C	
2,4,6-Trichlorophenol	<0.10	0.10	0.0048	mg/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.10	0.10	0.0033	mg/L	1	"	"	"	"	
2-Methylphenol	<0.10	0.10	0.0063	mg/L	1	"	"	"	"	
3&4-Methylphenol	<0.20	0.20	0.0079	mg/L	1	"	"	"	"	
Hexachlorobenzene	<0.10	0.10	0.0020	mg/L	1	"	"	"	"	
Hexachlorobutadiene	<0.10	0.10	0.0026	mg/L	1	"	"	"	"	
Hexachloroethane	<0.10	0.10	0.0031	mg/L	1	"	"	"	"	
Nitrobenzene	<0.10	0.10	0.0039	mg/L	1	"	"	"	"	
Pentachlorophenol	<0.10	0.10	0.0059	mg/L	1	"	"	"	"	
Pyridine	<0.10	0.10	0.019	mg/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	92.1			70.2-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.8			53.3-92.2 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.7			34.1-82.2 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.4			52.3-94.4 %		"	"	"	"	
Surrogate: Phenol-d6	64.4			30-80.8 %		"	"	"	"	
Surrogate: Terphenyl-d14	68.9			58.3-88.7 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Side Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105380 Date Reported: 11/17/11
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TCLP SVOC - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0807 - EPA 3510C (Sep Funnel)

Blank (B1K0807-BLK1)

Prepared & Analyzed: 11/08/11

2,4,5-Trichlorophenol	< 0.10	0.10	0.0080	mg/L							
2,4,6-Trichlorophenol	< 0.10	0.10	0.0048	mg/L							
2,4-Dinitrotoluene	< 0.10	0.10	0.0033	mg/L							
2-Methylphenol	< 0.10	0.10	0.0063	mg/L							
3&4-Methylphenol	< 0.20	0.20	0.0079	mg/L							
Hexachlorobenzene	< 0.10	0.10	0.0020	mg/L							
Hexachlorobutadiene	< 0.10	0.10	0.0026	mg/L							
Hexachloroethane	< 0.10	0.10	0.0031	mg/L							
Nitrobenzene	< 0.10	0.10	0.0039	mg/L							
Pentachlorophenol	< 0.10	0.10	0.0059	mg/L							
Pyridine	< 0.10	0.10	0.019	mg/L							
<i>Surrogate: 2,4,6-Tribromophenol</i>	0.892			mg/L	1.00		89.2	70.2-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	0.732			mg/L	1.00		73.2	53.3-92.2			
<i>Surrogate: 2-Fluorophenol</i>	0.623			mg/L	1.00		62.3	34.1-82.2			
<i>Surrogate: Nitrobenzene-d5</i>	0.714			mg/L	1.00		71.4	52.3-94.4			
<i>Surrogate: Phenol-d6</i>	0.595			mg/L	1.00		59.5	30-80.8			
<i>Surrogate: Terphenyl-d14</i>	0.687			mg/L	1.00		68.7	58.3-88.7			

LCS (B1K0807-BS1)

Prepared & Analyzed: 11/08/11

2,4,5-Trichlorophenol	0.410	0.10	0.0080	mg/L	0.500		82.0	74.3-95.5			
2,4,6-Trichlorophenol	0.420	0.10	0.0048	mg/L	0.500		84.1	69.4-94.2			
2,4-Dinitrotoluene	0.416	0.10	0.0033	mg/L	0.500		83.2	72.5-89.1			
2-Methylphenol	0.406	0.10	0.0063	mg/L	0.500		81.3	60.5-91			
3&4-Methylphenol	0.688	0.20	0.0079	mg/L	1.00		68.8	54.4-85.4			
Hexachlorobenzene	0.472	0.10	0.0020	mg/L	0.500		94.4	76.6-97.3			
Hexachlorobutadiene	0.366	0.10	0.0026	mg/L	0.500		73.3	30-97.3			
Hexachloroethane	0.351	0.10	0.0031	mg/L	0.500		70.2	32.1-88.7			
Nitrobenzene	0.356	0.10	0.0039	mg/L	0.500		71.2	64.7-89			
Pentachlorophenol	0.343	0.10	0.0059	mg/L	0.500		68.6	66.5-105			
<i>Surrogate: 2,4,6-Tribromophenol</i>	0.884			mg/L	1.00		88.4	70.2-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	0.662			mg/L	1.00		66.2	53.3-92.2			
<i>Surrogate: 2-Fluorophenol</i>	0.601			mg/L	1.00		60.1	34.1-82.2			
<i>Surrogate: Nitrobenzene-d5</i>	0.584			mg/L	1.00		58.4	52.3-94.4			
<i>Surrogate: Phenol-d6</i>	0.584			mg/L	1.00		58.4	30-80.8			
<i>Surrogate: Terphenyl-d14</i>	0.660			mg/L	1.00		66.0	58.3-88.7			

Matrix Spike (B1K0807-MS1)

Source: 1105289-02

Prepared & Analyzed: 11/08/11

2,4,5-Trichlorophenol	0.381	0.10	0.0080	mg/L	0.500	<0.10	76.2	73.8-94.7			
2,4,6-Trichlorophenol	0.396	0.10	0.0048	mg/L	0.500	<0.10	79.1	62.6-95.6			
2,4-Dinitrotoluene	0.394	0.10	0.0033	mg/L	0.500	<0.10	78.8	69.3-89.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Side Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105380 Date Reported: 11/17/11
---	--	--

TCLP SVOC - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1K0807 - EPA 3510C (Sep Funnel)

Matrix Spike (B1K0807-MS1)

Source: 1105289-02

Prepared & Analyzed: 11/08/11

2-Methylphenol	0.379	0.10	0.0063	mg/L	0.500	<0.10	75.9	49.6-99.7			
3&4-Methylphenol	0.638	0.20	0.0079	mg/L	1.00	<0.20	63.8	46.7-90.6			
Hexachlorobenzene	0.440	0.10	0.0020	mg/L	0.500	<0.10	88.0	67.9-100			
Hexachlorobutadiene	0.334	0.10	0.0026	mg/L	0.500	<0.10	66.8	30-102			
Hexachloroethane	0.314	0.10	0.0031	mg/L	0.500	<0.10	62.9	30-92.7			
Nitrobenzene	0.334	0.10	0.0039	mg/L	0.500	<0.10	66.9	52.9-94.6			
Pentachlorophenol	0.340	0.10	0.0059	mg/L	0.500	<0.10	68.1	65.8-104			
Surrogate: 2,4,6-Tribromophenol	0.821			mg/L	1.00		82.1	70.2-107			
Surrogate: 2-Fluorobiphenyl	0.610			mg/L	1.00		61.0	53.3-92.2			
Surrogate: 2-Fluorophenol	0.559			mg/L	1.00		55.9	34.1-82.2			
Surrogate: Nitrobenzene-d5	0.537			mg/L	1.00		53.7	52.3-94.4			
Surrogate: Phenol-d6	0.538			mg/L	1.00		53.8	30-80.8			
Surrogate: Terphenyl-d14	0.607			mg/L	1.00		60.7	58.3-88.7			

Matrix Spike Dup (B1K0807-MSD1)

Source: 1105289-02

Prepared & Analyzed: 11/08/11

2,4,5-Trichlorophenol	0.447	0.10	0.0080	mg/L	0.500	<0.10	89.4	73.8-94.7	15.9	19.5	
2,4,6-Trichlorophenol	0.468	0.10	0.0048	mg/L	0.500	<0.10	93.5	62.6-95.6	16.7	22.6	
2,4-Dinitrotoluene	0.473	0.10	0.0033	mg/L	0.500	<0.10	94.6	69.3-89.6	18.2	17.5	M1, QR-04
2-Methylphenol	0.447	0.10	0.0063	mg/L	0.500	<0.10	89.3	49.6-99.7	16.3	28.6	
3&4-Methylphenol	0.762	0.20	0.0079	mg/L	1.00	<0.20	76.2	46.7-90.6	17.6	26.4	
Hexachlorobenzene	0.529	0.10	0.0020	mg/L	0.500	<0.10	106	67.9-100	18.3	19.6	M1
Hexachlorobutadiene	0.407	0.10	0.0026	mg/L	0.500	<0.10	81.5	30-102	19.7	27.5	
Hexachloroethane	0.384	0.10	0.0031	mg/L	0.500	<0.10	76.8	30-92.7	19.9	25.5	
Nitrobenzene	0.389	0.10	0.0039	mg/L	0.500	<0.10	77.8	52.9-94.6	15.1	20.7	
Pentachlorophenol	0.400	0.10	0.0059	mg/L	0.500	<0.10	80.1	65.8-104	16.2	18.6	
Surrogate: 2,4,6-Tribromophenol	0.972			mg/L	1.00		97.2	70.2-107			
Surrogate: 2-Fluorobiphenyl	0.710			mg/L	1.00		71.0	53.3-92.2			
Surrogate: 2-Fluorophenol	0.675			mg/L	1.00		67.5	34.1-82.2			
Surrogate: Nitrobenzene-d5	0.624			mg/L	1.00		62.4	52.3-94.4			
Surrogate: Phenol-d6	0.663			mg/L	1.00		66.3	30-80.8			
Surrogate: Terphenyl-d14	0.719			mg/L	1.00		71.9	58.3-88.7			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Side Wide Project Manager: Ms. Andrea Nord	Work Order #: 1105380 Date Reported: 11/17/11
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Notes and Definitions

QR-04	The RPD value for the MS/MSD was outside of QC acceptance limits. Data was accepted based on LCS and/or LCSD recovery and/or RPD values.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
BARR
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1105380 11/4/11
 405127

Project Number: 2319-1092 48RE 820
 Project Name: Lower East RE - Site Wide
 Sample Origination State: MN (Use two letter postal state abbreviation)

COC Number: No 37144

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	PCBs	VOCs (Iared MeOH) #1	GRO, BTEX (Iared MeOH) #1	DRO (Iared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	PCBs	Total Number of Containers	COC	Project Manager	Project QC Contact	Sampled by	Laboratory
						Water	Soil	Grab	Comp.																					
1. U-LWBC7-1	-	-	-	10/20/2011	8:15	X	X	X										X	X	X	X	X	X	9	1 of 1	JME	AAV	ADN/AKB	Legend	
2. U-SAKYH	-	-	-		10:00	X	X											X	X	X	X	X	X	5						
3. U-PC4-1	-	-	-		10:45	X	X	X										X	X	X	X	X	X	7						
4. U-LWBC7-3	-	-	-		13:00	X	X											X	X	X	X	X	X	5						
5. U-LWBC5-1	-	-	-		15:00	X	X											X	X	X	X	X	X	3						
6. M-1	-	-	-			X	X	X										X	X					1						
7. FB-1	-	-	-			X			X	X	X	X	X	X	X	X	X													
8. FB-2	-	-	-			X			X	X	X	X	X	X	X	X	X													
9. TB-1	-	-	-						X									X												
10.																														

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN
 24°C
 PK/Cust.

Relinquished By: [Signature] On Ice? N Date: 10/21/11 Time: []
 Relinquished By: [Signature] On Ice? Y N Date: [] Time: []
 Samples Shipped VIA: Air Freight Federal Express Sampler Other: []
 Received by: Kelley Foerke Date: 10/21/11 Time: 12:00
 Air Bill Number: []

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Legend Technical Services, Inc. The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

November 17, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105553
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 10/31/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "BACH PHAM", written over a horizontal line.

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink, appearing to read "Dan Brezina", written over a horizontal line.

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105553 Date Reported: 11/17/11
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
32T-TT3_5-5	1105553-02	Soil	10/28/11 11:15	10/31/11 14:25

Shipping Container Information

Default Cooler Temperature (°C): 1.3

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: Yes

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105553 Date Reported: 11/17/11
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32T-TT3_5-5 (1105553-02) Soil Sampled: 10/28/11 11:15 Received: 10/31/11 14:25										
Arsenic	1.7	0.51	0.056	mg/kg dry	1	B1K1708	11/17/11	11/17/11	EPA 6010B	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105553 Date Reported: 11/17/11
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
32T-TT3_5-5 (1105553-02) Soil Sampled: 10/28/11 11:15 Received: 10/31/11 14:25										
% Solids	98			%	1	B1K1712	11/17/11	11/17/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105553 Date Reported: 11/17/11
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K1708 - EPA 3050B											
Blank (B1K1708-BLK1)											
						Prepared & Analyzed: 11/17/11					
Arsenic	< 0.50	0.50	0.055	mg/kg wet							
LCS (B1K1708-BS1)											
						Prepared & Analyzed: 11/17/11					
Arsenic	41.8	0.50	0.055	mg/kg wet	39.9		105	80-120			
LCS Dup (B1K1708-BSD1)											
						Prepared & Analyzed: 11/17/11					
Arsenic	41.8	0.50	0.055	mg/kg wet	39.9		105	80-120	0.112	20	
Matrix Spike (B1K1708-MS1)											
						Source: 1105553-02			Prepared & Analyzed: 11/17/11		
Arsenic	40.2	0.51	0.056	mg/kg dry	38.9	1.74	99.0	75-125			
Matrix Spike Dup (B1K1708-MSD1)											
						Source: 1105553-02			Prepared & Analyzed: 11/17/11		
Arsenic	42.1	0.51	0.056	mg/kg dry	39.3	1.74	103	75-125	4.52	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105553 Date Reported: 11/17/11
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1K1712 - General Preparation											
Duplicate (B1K1712-DUP1)											
	Source: 1105553-02		Prepared & Analyzed: 11/17/11								
% Solids	98.0			%		98.0			0.00	20	
Duplicate (B1K1712-DUP2)											
	Source: 1105557-01		Prepared & Analyzed: 11/17/11								
% Solids	83.0			%		83.0			0.00	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092.00 48RI 820 ABC Line Project Manager: Ms. Andrea Nord	Work Order #: 1105553 Date Reported: 11/17/11
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Notes and Definitions

< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
 4700 West 77th Street
BARR Minneapolis, MN 55435-4803 (952) 832-2600
 1105553

Project Number: 2319-1092.00 48R1 820
 Project Name: UMore R1 - ABC Line
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: No 36992

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix				Type	Number of Containers/Preservative		Total Number of Containers	COC	Project Manager	Project QC Contact	Sampled by	Laboratory
						Water	Soil	Crab	Comp.		QC	Water						
1. 706A-TT4	5	5	ft	10/28/2011	1010	X	X							1	JME	AAN	KCB	Legend
2. 32T-TT3	5	5	↓	↓	1115	X	X							1				
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: *Krist Schimpke* On Ice? Date: 10/31/11 Time: 12:00
 Relinquished By: _____ On Ice? Date: _____ Time: _____
 Received by: *JK* Date: 10/31/11 14:25

Samples Shipped VIA: Air Freight Federal Express Sampler Other: _____ Air Bill Number: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

HOLD

Legend Technical Services, Inc. The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

December 19, 2011

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1105827
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 12/08/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink that reads "BACH PHAM".

Bach Pham
Client Manager I
bpham@legend-group.com

A handwritten signature in black ink that reads "D. Brezina".

Dan Brezina
Chemist III
dbrezina@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
---	--	--

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-A5-018	1105827-01	Water	12/07/11 08:47	12/08/11 11:05
MW-C6-020	1105827-02	Water	12/07/11 10:17	12/08/11 11:05
MW-B7-014	1105827-03	Water	12/07/11 11:27	12/08/11 11:05
MW-C7-016	1105827-04	Water	12/07/11 13:15	12/08/11 11:05
MW-B7-015	1105827-05	Water	12/07/11 14:30	12/08/11 11:05
MW-B7-013	1105827-06	Water	12/07/11 15:27	12/08/11 11:05
T00020	1105827-07	Water	12/08/11 09:32	12/08/11 11:05
Trip Blank	1105827-08	Water	12/08/11 00:00	12/08/11 11:05

Shipping Container Information

Default Cooler Temperature (°C): 4.2

Received on ice: Yes Temperature blank was present Received on ice pack: No
 Received on melt water: No Ambient: No Acceptable (IH/ISO only): No
 Custody seals: No

Case Narrative:

An LCS/LCSD/MS was prepared and analyzed for 8270 batch B1L1305 instead of the method specified LCS/MS/MSD. Insufficient sample was received to meet method QC requirements.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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DISSOLVED METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A5-018 (1105827-01) Water Sampled: 12/07/11 08:47 Received: 12/08/11 11:05										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Barium	0.048	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	75	1.0	0.030	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	22	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1L1516	12/15/11	12/16/11	EPA 7470A (Dissolved)	
Potassium	1.4	1.0	0.0016	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
Sodium	6.7	1.0	0.0053	mg/L	1	"	"	"	"	
MW-C6-020 (1105827-02) Water Sampled: 12/07/11 10:17 Received: 12/08/11 11:05										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Barium	0.090	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	110	1.0	0.030	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	35	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1L1516	12/15/11	12/16/11	EPA 7470A (Dissolved)	
Potassium	1.9	1.0	0.0016	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
Sodium	4.2	1.0	0.0053	mg/L	1	"	"	"	"	
MW-B7-014 (1105827-03) Water Sampled: 12/07/11 11:27 Received: 12/08/11 11:05										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Barium	0.085	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	110	1.0	0.030	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	35	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1L1516	12/15/11	12/16/11	EPA 7470A (Dissolved)	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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DISSOLVED METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-B7-014 (1105827-03) Water Sampled: 12/07/11 11:27 Received: 12/08/11 11:05										
Potassium	1.9	1.0	0.0016	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
Sodium	3.4	1.0	0.0053	mg/L	1	"	"	"	"	
MW-C7-016 (1105827-04) Water Sampled: 12/07/11 13:15 Received: 12/08/11 11:05										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Barium	0.067	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	78	1.0	0.030	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	25	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1L1516	12/15/11	12/16/11	EPA 7470A (Dissolved)	
Potassium	2.8	1.0	0.0016	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
Sodium	1.9	1.0	0.0053	mg/L	1	"	"	"	"	
MW-B7-015 (1105827-05) Water Sampled: 12/07/11 14:30 Received: 12/08/11 11:05										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Barium	0.092	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	100	1.0	0.030	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	39	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1L1516	12/15/11	12/16/11	EPA 7470A (Dissolved)	
Potassium	1.6	1.0	0.0016	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
Sodium	4.1	1.0	0.0053	mg/L	1	"	"	"	"	
MW-B7-013 (1105827-06) Water Sampled: 12/07/11 15:27 Received: 12/08/11 11:05										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Barium	0.093	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	110	1.0	0.030	mg/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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DISSOLVED METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-B7-013 (1105827-06) Water Sampled: 12/07/11 15:27 Received: 12/08/11 11:05										
Chromium	<0.010	0.010	0.00024	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	34	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1L1516	12/15/11	12/16/11	EPA 7470A (Dissolved)	
Potassium	1.5	1.0	0.0016	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
Sodium	4.9	1.0	0.0053	mg/L	1	"	"	"	"	
T00020 (1105827-07) Water Sampled: 12/08/11 09:32 Received: 12/08/11 11:05										
Arsenic	<0.010	0.010	0.0011	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Barium	0.066	0.020	0.0012	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.00013	mg/L	1	"	"	"	"	
Calcium	110	1.0	0.030	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00024	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00042	mg/L	1	"	"	"	"	
Magnesium	40	1.0	0.0021	mg/L	1	"	"	"	"	
Mercury	<0.00020	0.00020	0.000037	mg/L	1	B1L1516	12/15/11	12/16/11	EPA 7470A (Dissolved)	
Potassium	1.8	1.0	0.0016	mg/L	1	B1L1214	12/12/11	12/13/11	EPA 6010B (Dissolved)	
Selenium	<0.020	0.020	0.0019	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00031	mg/L	1	"	"	"	"	
Sodium	29	1.0	0.0053	mg/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A5-018 (1105827-01) Water Sampled: 12/07/11 08:47 Received: 12/08/11 11:05										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1L1305	12/13/11	12/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.90	9.3	0.90	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.59	9.3	0.59	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.47	9.3	0.47	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.50	9.3	0.50	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.82	9.3	0.82	ug/L	1	"	"	"	"	
2-Methylphenol	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.87	9.3	0.87	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.84	9.3	0.84	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.73	9.3	0.73	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.1	93	7.1	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.47	9.3	0.47	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A5-018 (1105827-01) Water Sampled: 12/07/11 08:47 Received: 12/08/11 11:05										
Benzo(k)fluoranthene	<0.46	9.3	0.46	ug/L	1	B1L1305	12/13/11	12/13/11	EPA 8270C	
Benzoic acid	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.76	9.3	0.76	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	T2
Chrysene	<0.57	9.3	0.57	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.63	9.3	0.63	ug/L	1	"	"	"	"	
Fluoranthene	<0.57	9.3	0.57	ug/L	1	"	"	"	"	
Fluorene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.33	9.3	0.33	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Nitrobenzene	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.84	9.3	0.84	ug/L	1	"	"	"	"	
Phenanthrene	<0.33	9.3	0.33	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	96.0			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	87.4			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	66.3			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.0			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	60.6			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.5			30-116 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-C6-020 (1105827-02) Water Sampled: 12/07/11 10:17 Received: 12/08/11 11:05										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1L1305	12/13/11	12/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.90	9.3	0.90	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.59	9.3	0.59	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.47	9.3	0.47	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.50	9.3	0.50	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.82	9.3	0.82	ug/L	1	"	"	"	"	
2-Methylphenol	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.87	9.3	0.87	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.84	9.3	0.84	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.73	9.3	0.73	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.1	93	7.1	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.47	9.3	0.47	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-C6-020 (1105827-02) Water Sampled: 12/07/11 10:17 Received: 12/08/11 11:05										
Benzo(k)fluoranthene	<0.46	9.3	0.46	ug/L	1	B1L1305	12/13/11	12/13/11	EPA 8270C	
Benzoic acid	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.76	9.3	0.76	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	T2
Chrysene	<0.57	9.3	0.57	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.63	9.3	0.63	ug/L	1	"	"	"	"	
Fluoranthene	<0.57	9.3	0.57	ug/L	1	"	"	"	"	
Fluorene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.33	9.3	0.33	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Nitrobenzene	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.84	9.3	0.84	ug/L	1	"	"	"	"	
Phenanthrene	<0.33	9.3	0.33	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.9			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	83.4			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	63.1			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.7			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	59.8			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.1			30-116 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-B7-014 (1105827-03) Water Sampled: 12/07/11 11:27 Received: 12/08/11 11:05										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1L1305	12/13/11	12/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.90	9.3	0.90	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.59	9.3	0.59	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.47	9.3	0.47	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.50	9.3	0.50	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.82	9.3	0.82	ug/L	1	"	"	"	"	
2-Methylphenol	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.87	9.3	0.87	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.84	9.3	0.84	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.73	9.3	0.73	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.1	93	7.1	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.47	9.3	0.47	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-B7-014 (1105827-03) Water Sampled: 12/07/11 11:27 Received: 12/08/11 11:05										
Benzo(k)fluoranthene	<0.46	9.3	0.46	ug/L	1	B1L1305	12/13/11	12/13/11	EPA 8270C	
Benzoic acid	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.76	9.3	0.76	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	T2
Chrysene	<0.57	9.3	0.57	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.63	9.3	0.63	ug/L	1	"	"	"	"	
Fluoranthene	<0.57	9.3	0.57	ug/L	1	"	"	"	"	
Fluorene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.33	9.3	0.33	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Nitrobenzene	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.84	9.3	0.84	ug/L	1	"	"	"	"	
Phenanthrene	<0.33	9.3	0.33	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	90.6			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	84.6			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.7			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.7			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	62.4			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.0			30-116 %		"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-C7-016 (1105827-04) Water Sampled: 12/07/11 13:15 Received: 12/08/11 11:05										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1L1305	12/13/11	12/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.90	9.3	0.90	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.59	9.3	0.59	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.47	9.3	0.47	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.50	9.3	0.50	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.82	9.3	0.82	ug/L	1	"	"	"	"	
2-Methylphenol	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.87	9.3	0.87	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.84	9.3	0.84	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.73	9.3	0.73	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.1	93	7.1	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.47	9.3	0.47	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-C7-016 (1105827-04) Water Sampled: 12/07/11 13:15 Received: 12/08/11 11:05										
Benzo(k)fluoranthene	<0.46	9.3	0.46	ug/L	1	B1L1305	12/13/11	12/13/11	EPA 8270C	
Benzoic acid	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.76	9.3	0.76	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	T2
Chrysene	<0.57	9.3	0.57	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.63	9.3	0.63	ug/L	1	"	"	"	"	
Fluoranthene	<0.57	9.3	0.57	ug/L	1	"	"	"	"	
Fluorene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.33	9.3	0.33	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Nitrobenzene	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.84	9.3	0.84	ug/L	1	"	"	"	"	
Phenanthrene	<0.33	9.3	0.33	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	93.5			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	86.2			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	61.2			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.6			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	62.9			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	68.7			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-B7-015 (1105827-05) Water Sampled: 12/07/11 14:30 Received: 12/08/11 11:05										
1,2,4-Trichlorobenzene	<0.25	8.2	0.25	ug/L	1	B1L1305	12/13/11	12/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.27	8.2	0.27	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.21	8.2	0.21	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.25	8.2	0.25	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.24	8.2	0.24	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.79	8.2	0.79	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.48	8.2	0.48	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.48	8.2	0.48	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.52	8.2	0.52	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.47	8.2	0.47	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<0.98	8.2	0.98	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.37	8.2	0.37	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.41	8.2	0.41	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.43	8.2	0.43	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.49	8.2	0.49	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.32	8.2	0.32	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.72	8.2	0.72	ug/L	1	"	"	"	"	
2-Methylphenol	<0.39	8.2	0.39	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.49	8.2	0.49	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.76	8.2	0.76	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.34	8.2	0.34	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<5.9	20	5.9	ug/L	1	"	"	"	"	
3-Nitroaniline	<0.90	8.2	0.90	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.82	8.2	0.82	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.34	8.2	0.34	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.39	8.2	0.39	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.1	8.2	1.1	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.25	8.2	0.25	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.74	8.2	0.74	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.64	8.2	0.64	ug/L	1	"	"	"	"	
Acenaphthene	<0.49	8.2	0.49	ug/L	1	"	"	"	"	
Acenaphthylene	<0.45	8.2	0.45	ug/L	1	"	"	"	"	
Aniline	<1.3	8.2	1.3	ug/L	1	"	"	"	"	
Anthracene	<0.46	8.2	0.46	ug/L	1	"	"	"	"	
Benzidine	<6.2	82	6.2	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.41	8.2	0.41	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.34	8.2	0.34	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.36	8.2	0.36	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.38	8.2	0.38	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-B7-015 (1105827-05) Water Sampled: 12/07/11 14:30 Received: 12/08/11 11:05										
Benzo(k)fluoranthene	<0.40	8.2	0.40	ug/L	1	B1L1305	12/13/11	12/13/11	EPA 8270C	
Benzoic acid	<0.43	8.2	0.43	ug/L	1	"	"	"	"	
Benzyl alcohol	<0.98	8.2	0.98	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.22	8.2	0.22	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.18	8.2	0.18	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.19	8.2	0.19	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.66	8.2	0.66	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.37	8.2	0.37	ug/L	1	"	"	"	"	
Carbazole	<0.27	8.2	0.27	ug/L	1	"	"	"	"	T2
Chrysene	<0.50	8.2	0.50	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.45	8.2	0.45	ug/L	1	"	"	"	"	
Dibenzofuran	<0.48	8.2	0.48	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.25	8.2	0.25	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.27	8.2	0.27	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.32	8.2	0.32	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.55	8.2	0.55	ug/L	1	"	"	"	"	
Fluoranthene	<0.50	8.2	0.50	ug/L	1	"	"	"	"	
Fluorene	<0.43	8.2	0.43	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.33	8.2	0.33	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.34	8.2	0.34	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.29	8.2	0.29	ug/L	1	"	"	"	"	
Hexachloroethane	<0.27	8.2	0.27	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.32	8.2	0.32	ug/L	1	"	"	"	"	
Isophorone	<0.21	8.2	0.21	ug/L	1	"	"	"	"	
Naphthalene	<0.43	8.2	0.43	ug/L	1	"	"	"	"	
Nitrobenzene	<0.30	8.2	0.30	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.39	8.2	0.39	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.20	8.2	0.20	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.31	8.2	0.31	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.74	8.2	0.74	ug/L	1	"	"	"	"	
Phenanthrene	<0.29	8.2	0.29	ug/L	1	"	"	"	"	
Phenol	<0.34	8.2	0.34	ug/L	1	"	"	"	"	
Pyrene	<0.54	8.2	0.54	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	79.8			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	76.0			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.2			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.9			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	60.7			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	68.8			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-B7-013 (1105827-06) Water Sampled: 12/07/11 15:27 Received: 12/08/11 11:05										
1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1L1305	12/13/11	12/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.90	9.3	0.90	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.59	9.3	0.59	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.47	9.3	0.47	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.50	9.3	0.50	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.82	9.3	0.82	ug/L	1	"	"	"	"	
2-Methylphenol	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.87	9.3	0.87	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.84	9.3	0.84	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.73	9.3	0.73	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.1	93	7.1	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.47	9.3	0.47	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-B7-013 (1105827-06) Water Sampled: 12/07/11 15:27 Received: 12/08/11 11:05										
Benzo(k)fluoranthene	<0.46	9.3	0.46	ug/L	1	B1L1305	12/13/11	12/13/11	EPA 8270C	
Benzoic acid	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.76	9.3	0.76	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	T2
Chrysene	<0.57	9.3	0.57	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.63	9.3	0.63	ug/L	1	"	"	"	"	
Fluoranthene	<0.57	9.3	0.57	ug/L	1	"	"	"	"	
Fluorene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.33	9.3	0.33	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
Nitrobenzene	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.45	9.3	0.45	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.84	9.3	0.84	ug/L	1	"	"	"	"	
Phenanthrene	<0.33	9.3	0.33	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	91.6			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	86.0			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	56.4			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.1			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	54.9			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	70.3			30-116 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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T00020 (1105827-07) Water **Sampled: 12/08/11 09:32** **Received: 12/08/11 11:05**

1,2,4-Trichlorobenzene	<0.28	9.3	0.28	ug/L	1	B1L1305	12/13/11	12/13/11	EPA 8270C	
1,2-Dichlorobenzene	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.27	9.3	0.27	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.89	9.3	0.89	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<0.58	9.3	0.58	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<0.53	9.3	0.53	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<0.49	9.3	0.49	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Chlorophenol	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<0.81	9.3	0.81	ug/L	1	"	"	"	"	
2-Methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
2-Nitroaniline	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
2-Nitrophenol	<0.86	9.3	0.86	ug/L	1	"	"	"	"	
3&4-Methylphenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<6.7	23	6.7	ug/L	1	"	"	"	"	
3-Nitroaniline	<1.0	9.3	1.0	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.93	9.3	0.93	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	9.3	0.39	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
4-Chloroaniline	<1.2	9.3	1.2	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.29	9.3	0.29	ug/L	1	"	"	"	"	
4-Nitroaniline	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
4-Nitrophenol	<0.72	9.3	0.72	ug/L	1	"	"	"	"	
Acenaphthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Acenaphthylene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Aniline	<1.5	9.3	1.5	ug/L	1	"	"	"	"	
Anthracene	<0.52	9.3	0.52	ug/L	1	"	"	"	"	
Benzidine	<7.0	93	7.0	ug/L	1	"	"	"	"	
Benzo(a)anthracene	<0.46	9.3	0.46	ug/L	1	"	"	"	"	
Benzo(a)pyrene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Benzo(b)fluoranthene	<0.41	9.3	0.41	ug/L	1	"	"	"	"	
Benzo(g,h,i)perylene	<0.43	9.3	0.43	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
T00020 (1105827-07) Water Sampled: 12/08/11 09:32 Received: 12/08/11 11:05										
Benzo(k)fluoranthene	<0.45	9.3	0.45	ug/L	1	B1L1305	12/13/11	12/13/11	EPA 8270C	
Benzoic acid	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Benzyl alcohol	<1.1	9.3	1.1	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.25	9.3	0.25	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.20	9.3	0.20	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.21	9.3	0.21	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.75	9.3	0.75	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<0.42	9.3	0.42	ug/L	1	"	"	"	"	
Carbazole	<0.31	9.3	0.31	ug/L	1	"	"	"	"	T2
Chrysene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Dibenz(a,h)anthracene	<0.51	9.3	0.51	ug/L	1	"	"	"	"	
Dibenzofuran	<0.55	9.3	0.55	ug/L	1	"	"	"	"	
Diethyl phthalate	<0.28	9.3	0.28	ug/L	1	"	"	"	"	
Dimethyl phthalate	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<0.62	9.3	0.62	ug/L	1	"	"	"	"	
Fluoranthene	<0.56	9.3	0.56	ug/L	1	"	"	"	"	
Fluorene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Hexachlorobenzene	<0.37	9.3	0.37	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Hexachloroethane	<0.31	9.3	0.31	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.36	9.3	0.36	ug/L	1	"	"	"	"	
Isophorone	<0.24	9.3	0.24	ug/L	1	"	"	"	"	
Naphthalene	<0.48	9.3	0.48	ug/L	1	"	"	"	"	
Nitrobenzene	<0.34	9.3	0.34	ug/L	1	"	"	"	"	
N-Nitrosodimethylamine	<0.44	9.3	0.44	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.23	9.3	0.23	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.35	9.3	0.35	ug/L	1	"	"	"	"	
Pentachlorophenol	<0.83	9.3	0.83	ug/L	1	"	"	"	"	
Phenanthrene	<0.32	9.3	0.32	ug/L	1	"	"	"	"	
Phenol	<0.38	9.3	0.38	ug/L	1	"	"	"	"	
Pyrene	<0.61	9.3	0.61	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	90.6			30-122 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	84.0			39.2-104 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.3			30-80.1 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.9			51.2-103 %		"	"	"	"	
Surrogate: Phenol-d6	60.1			30-75.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.6			30-116 %		"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A5-018 (1105827-01) Water Sampled: 12/07/11 08:47 Received: 12/08/11 11:05										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A5-018 (1105827-01) Water Sampled: 12/07/11 08:47 Received: 12/08/11 11:05										
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	T-1
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	0.34	1.0	0.12	ug/L	1	"	"	"	"	J
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	T-1
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.1			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	93.4			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	100			80-120 %		"	"	"	"	

MW-C6-020 (1105827-02) Water Sampled: 12/07/11 10:17 Received: 12/08/11 11:05										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-C6-020 (1105827-02) Water Sampled: 12/07/11 10:17 Received: 12/08/11 11:05										
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	1.6	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	T-1
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	

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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-C6-020 (1105827-02) Water Sampled: 12/07/11 10:17 Received: 12/08/11 11:05										
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	T-1
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.8			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	93.4			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	100			80-120 %		"	"	"	"	

MW-B7-014 (1105827-03) Water Sampled: 12/07/11 11:27 Received: 12/08/11 11:05										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-B7-014 (1105827-03) Water Sampled: 12/07/11 11:27 Received: 12/08/11 11:05										
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	T-1
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-B7-014 (1105827-03) Water Sampled: 12/07/11 11:27 Received: 12/08/11 11:05										
Methylene chloride	<0.85	5.0	0.85	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	T-1
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.4			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.5			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	101			80-120 %		"	"	"	"	

MW-C7-016 (1105827-04) Water Sampled: 12/07/11 13:15 Received: 12/08/11 11:05										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-C7-016 (1105827-04) Water Sampled: 12/07/11 13:15 Received: 12/08/11 11:05										
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	T-1
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-C7-016 (1105827-04) Water Sampled: 12/07/11 13:15 Received: 12/08/11 11:05										
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	T-1
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.9			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	98.2			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	99.2			80-120 %		"	"	"	"	

MW-B7-015 (1105827-05) Water Sampled: 12/07/11 14:30 Received: 12/08/11 11:05										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-B7-015 (1105827-05) Water Sampled: 12/07/11 14:30 Received: 12/08/11 11:05										
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	T-1
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	T-1
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-B7-015 (1105827-05) Water Sampled: 12/07/11 14:30 Received: 12/08/11 11:05										
trans-1,2-Dichloroethane	<0.056	1.0	0.056	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.7			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	96.7			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	101			80-120 %		"	"	"	"	

MW-B7-013 (1105827-06) Water Sampled: 12/07/11 15:27 Received: 12/08/11 11:05										
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-B7-013 (1105827-06) Water Sampled: 12/07/11 15:27 Received: 12/08/11 11:05										
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	T-1
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	T-1
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.4				80-121 %	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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MW-B7-013 (1105827-06) Water Sampled: 12/07/11 15:27 Received: 12/08/11 11:05

Surrogate: Dibromofluoromethane	96.6			79.9-121 %		B1L0916	12/09/11	12/09/11	EPA 8260B	
Surrogate: Toluene-d8	99.6			80-120 %		"	"	"	"	

T00020 (1105827-07) Water Sampled: 12/08/11 09:32 Received: 12/08/11 11:05

1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
T00020 (1105827-07) Water Sampled: 12/08/11 09:32 Received: 12/08/11 11:05										
Chloroform	<0.15	1.0	0.15	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	"	"	"	"	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	T-1
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	T-1
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.9			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	94.5			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	99.3			80-120 %		"	"	"	"	

Trip Blank (1105827-08) Water Sampled: 12/08/11 00:00 Received: 12/08/11 11:05											H3b
1,1,1,2-Tetrachloroethane	<0.29	1.0	0.29	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B		
1,1,1-Trichloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"		
1,1,2,2-Tetrachloroethane	<0.16	1.0	0.16	ug/L	1	"	"	"	"		

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105827-08) Water Sampled: 12/08/11 00:00 Received: 12/08/11 11:05										H3b
1,1,2-Trichloroethane	<0.19	1.0	0.19	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	<0.25	1.0	0.25	ug/L	1	"	"	"	"	T-1
1,1-Dichloroethane	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,1-Dichloroethene	<0.24	1.0	0.24	ug/L	1	"	"	"	"	
1,1-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.35	5.0	0.35	ug/L	1	"	"	"	"	
1,2,3-Trichloropropane	<0.22	2.5	0.22	ug/L	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.072	1.0	0.072	ug/L	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
1,2-Dichlorobenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
1,2-Dichloroethane	<0.26	1.0	0.26	ug/L	1	"	"	"	"	
1,2-Dichloropropane	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
1,3-Dichloropropane	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
2,2-Dichloropropane	<0.66	5.0	0.66	ug/L	1	"	"	"	"	
2-Butanone	<0.65	20	0.65	ug/L	1	"	"	"	"	
2-Chlorotoluene	<0.081	1.0	0.081	ug/L	1	"	"	"	"	
4-Chlorotoluene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Acetone	<3.8	20	3.8	ug/L	1	"	"	"	"	
Allyl chloride	<0.51	5.0	0.51	ug/L	1	"	"	"	"	
Benzene	<0.071	1.0	0.071	ug/L	1	"	"	"	"	
Bromobenzene	<0.082	1.0	0.082	ug/L	1	"	"	"	"	
Bromochloromethane	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Bromodichloromethane	<0.23	1.0	0.23	ug/L	1	"	"	"	"	
Bromoform	<0.26	5.0	0.26	ug/L	1	"	"	"	"	
Bromomethane	<0.32	5.0	0.32	ug/L	1	"	"	"	"	
Carbon tetrachloride	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chlorobenzene	<0.20	1.0	0.20	ug/L	1	"	"	"	"	
Chloroethane	<0.27	2.5	0.27	ug/L	1	"	"	"	"	
Chloroform	<0.15	1.0	0.15	ug/L	1	"	"	"	"	
Chloromethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Dibromochloromethane	<0.26	2.5	0.26	ug/L	1	"	"	"	"	
Dibromomethane	<0.24	2.5	0.24	ug/L	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (1105827-08) Water										H3b
Sampled: 12/08/11 00:00										
Received: 12/08/11 11:05										
Dichlorodifluoromethane	<0.25	5.0	0.25	ug/L	1	B1L0916	12/09/11	12/09/11	EPA 8260B	
Dichlorofluoromethane	<0.21	1.0	0.21	ug/L	1	"	"	"	"	T-1
Ethyl ether	<0.27	5.0	0.27	ug/L	1	"	"	"	"	
Ethylbenzene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<0.42	10	0.42	ug/L	1	"	"	"	"	
Isopropylbenzene	<0.12	1.0	0.12	ug/L	1	"	"	"	"	
m,p-Xylene	<0.57	2.0	0.57	ug/L	1	"	"	"	"	
Methyl isobutyl ketone	<0.40	5.0	0.40	ug/L	1	"	"	"	"	
Methyl tert-butyl ether	<0.16	1.0	0.16	ug/L	1	"	"	"	"	
Methylene chloride	<0.85	5.0	0.85	ug/L	1	"	"	"	"	
Naphthalene	<0.30	5.0	0.30	ug/L	1	"	"	"	"	
n-Butylbenzene	<0.15	2.5	0.15	ug/L	1	"	"	"	"	
n-Propylbenzene	<0.094	1.0	0.094	ug/L	1	"	"	"	"	
o-Xylene	<0.19	1.0	0.19	ug/L	1	"	"	"	"	
p-Isopropyltoluene	<0.14	2.5	0.14	ug/L	1	"	"	"	"	
sec-Butylbenzene	<0.11	1.0	0.11	ug/L	1	"	"	"	"	
Styrene	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
tert-Butylbenzene	<0.091	1.0	0.091	ug/L	1	"	"	"	"	
Tetrachloroethene	<0.28	1.0	0.28	ug/L	1	"	"	"	"	
Tetrahydrofuran	<0.75	20	0.75	ug/L	1	"	"	"	"	T-1
Toluene	<0.10	1.0	0.10	ug/L	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.056	1.0	0.056	ug/L	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.14	1.0	0.14	ug/L	1	"	"	"	"	
Trichloroethene	<0.18	1.0	0.18	ug/L	1	"	"	"	"	
Trichlorofluoromethane	<0.29	1.0	0.29	ug/L	1	"	"	"	"	
Vinyl chloride	<0.21	1.0	0.21	ug/L	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.0			80-121 %		"	"	"	"	
Surrogate: Dibromofluoromethane	95.9			79.9-121 %		"	"	"	"	
Surrogate: Toluene-d8	99.9			80-120 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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WET CHEMISTRY
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A5-018 (1105827-01) Water Sampled: 12/07/11 08:47 Received: 12/08/11 11:05										
Total Alkalinity as CaCO(3)	260	20	5.3	mg/L	1	B1L1611	12/16/11	12/16/11	SM 2320 B-97	
MW-C6-020 (1105827-02) Water Sampled: 12/07/11 10:17 Received: 12/08/11 11:05										
Total Alkalinity as CaCO(3)	340	20	5.3	mg/L	1	B1L1611	12/16/11	12/16/11	SM 2320 B-97	
MW-B7-014 (1105827-03) Water Sampled: 12/07/11 11:27 Received: 12/08/11 11:05										
Total Alkalinity as CaCO(3)	270	20	5.3	mg/L	1	B1L1611	12/16/11	12/16/11	SM 2320 B-97	
MW-C7-016 (1105827-04) Water Sampled: 12/07/11 13:15 Received: 12/08/11 11:05										
Total Alkalinity as CaCO(3)	280	20	5.3	mg/L	1	B1L1611	12/16/11	12/16/11	SM 2320 B-97	
MW-B7-015 (1105827-05) Water Sampled: 12/07/11 14:30 Received: 12/08/11 11:05										
Total Alkalinity as CaCO(3)	310	20	5.3	mg/L	1	B1L1611	12/16/11	12/16/11	SM 2320 B-97	
MW-B7-013 (1105827-06) Water Sampled: 12/07/11 15:27 Received: 12/08/11 11:05										
Total Alkalinity as CaCO(3)	320	20	5.3	mg/L	1	B1L1611	12/16/11	12/16/11	SM 2320 B-97	
T00020 (1105827-07) Water Sampled: 12/08/11 09:32 Received: 12/08/11 11:05										
Total Alkalinity as CaCO(3)	280	20	5.3	mg/L	1	B1L1611	12/16/11	12/16/11	SM 2320 B-97	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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ANIONS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-A5-018 (1105827-01) Water Sampled: 12/07/11 08:47 Received: 12/08/11 11:05										
Chloride	4.4	0.10	0.0029	mg/L	1	B1L0907	12/08/11	12/08/11	EPA 9056A	
Nitrate + Nitrite as N	0.60	0.053	0.0068	mg/L	0	[CALC]	"	"	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1L1701	12/17/11	12/19/11	EPA 9056A(M)	
Sulfate as SO(4)	8.5	0.10	0.024	mg/L	1	B1L1307	12/13/11	12/15/11	EPA 9056A	
MW-C6-020 (1105827-02) Water Sampled: 12/07/11 10:17 Received: 12/08/11 11:05										
Chloride	15	0.50	0.014	mg/L	5	B1L0907	12/08/11	12/09/11	EPA 9056A	
Nitrate + Nitrite as N	8.5	0.14	0.025	mg/L	1	[CALC]	"	"	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1L1701	12/17/11	12/19/11	EPA 9056A(M)	
Sulfate as SO(4)	17	0.40	0.096	mg/L	4	B1L1307	12/13/11	12/15/11	EPA 9056A	
MW-B7-014 (1105827-03) Water Sampled: 12/07/11 11:27 Received: 12/08/11 11:05										
Chloride	21	2.0	0.058	mg/L	20	B1L0907	12/08/11	12/09/11	EPA 9056A	
Nitrate + Nitrite as N	30	0.48	0.093	mg/L	5	[CALC]	"	"	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1L1701	12/17/11	12/19/11	EPA 9056A(M)	
Sulfate as SO(4)	14	0.20	0.048	mg/L	2	B1L1307	12/13/11	12/15/11	EPA 9056A	
MW-C7-016 (1105827-04) Water Sampled: 12/07/11 13:15 Received: 12/08/11 11:05										
Chloride	3.3	0.10	0.0029	mg/L	1	B1L0907	12/08/11	12/08/11	EPA 9056A	
Nitrate + Nitrite as N	0.37	0.053	0.0068	mg/L	0	[CALC]	"	"	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1L1701	12/17/11	12/19/11	EPA 9056A(M)	
Sulfate as SO(4)	8.1	0.10	0.024	mg/L	1	B1L1307	12/13/11	12/15/11	EPA 9056A	
MW-B7-015 (1105827-05) Water Sampled: 12/07/11 14:30 Received: 12/08/11 11:05										
Chloride	17	2.0	0.058	mg/L	20	B1L0907	12/08/11	12/09/11	EPA 9056A	
Nitrate + Nitrite as N	18	0.48	0.093	mg/L	5	[CALC]	"	"	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1L1701	12/17/11	12/19/11	EPA 9056A(M)	
Sulfate as SO(4)	15	0.40	0.096	mg/L	4	B1L1307	12/13/11	12/15/11	EPA 9056A	
MW-B7-013 (1105827-06) Water Sampled: 12/07/11 15:27 Received: 12/08/11 11:05										
Chloride	17	0.50	0.014	mg/L	5	B1L0907	12/08/11	12/09/11	EPA 9056A	
Nitrate + Nitrite as N	8.7	0.14	0.025	mg/L	1	[CALC]	"	"	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1L1701	12/17/11	12/19/11	EPA 9056A(M)	
Sulfate as SO(4)	30	0.50	0.12	mg/L	5	B1L1307	12/13/11	12/15/11	EPA 9056A	
T00020 (1105827-07) Water Sampled: 12/08/11 09:32 Received: 12/08/11 11:05										
Chloride	96	2.0	0.058	mg/L	20	B1L0907	12/08/11	12/09/11	EPA 9056A	
Nitrate + Nitrite as N	12	0.48	0.093	mg/L	5	[CALC]	"	"	Calc/EPA 9056A	
Perchlorate	<0.10	0.10	0.019	mg/L	1	B1L1701	12/17/11	12/19/11	EPA 9056A(M)	
Sulfate as SO(4)	27	0.50	0.12	mg/L	5	B1L1307	12/13/11	12/15/11	EPA 9056A	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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EXPLOSIVES 8330
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-B7-015 (1105827-05) Water Sampled: 12/07/11 14:30 Received: 12/08/11 11:05										
1,3,5-Trinitrobenzene	<0.19	4.0	0.19	ug/L	1	B1L1410	12/14/11	12/14/11	EPA 8330 (M)	T-2
1,3-Dinitrobenzene	<0.38	4.0	0.38	ug/L	1	"	"	"	"	T-2
2,4,6-Trinitrotoluene	<0.39	4.0	0.39	ug/L	1	"	"	"	"	T-2
2,4-Dinitrotoluene	<0.34	4.0	0.34	ug/L	1	"	"	"	"	T-2
2,6-Dinitrotoluene	<0.57	4.0	0.57	ug/L	1	"	"	"	"	T-2
2-Amino-4,6-Dinitrotoluene	<0.43	4.0	0.43	ug/L	1	"	"	"	"	T-2
2-Nitrotoluene	<0.81	4.0	0.81	ug/L	1	"	"	"	"	T-2
3-Nitrotoluene	<0.61	4.0	0.61	ug/L	1	"	"	"	"	T-2
4-Amino-2,6-Dinitrotoluene	<0.51	4.0	0.51	ug/L	1	"	"	"	"	T-2
4-Nitrotoluene	<1.1	4.0	1.1	ug/L	1	"	"	"	"	T-2
HMX	<0.38	4.0	0.38	ug/L	1	"	"	"	"	T-2
Nitrobenzene	<0.62	4.0	0.62	ug/L	1	"	"	"	"	T-2
RDX	<0.48	4.0	0.48	ug/L	1	"	"	"	"	T-2
Tetryl	<0.62	4.0	0.62	ug/L	1	"	"	"	"	T-2
Surrogate: 1,2-Dinitrobenzene	92.6				70-130 %	"	"	"	"	T-2

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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DISSOLVED METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1L1214 - EPA 200.7/3005A Digestion

Blank (B1L1214-BLK1)

Prepared: 12/12/11 Analyzed: 12/13/11

Arsenic	< 0.010	0.010	0.0011	mg/L							
Barium	< 0.020	0.020	0.0012	mg/L							
Cadmium	< 0.0010	0.0010	0.00013	mg/L							
Calcium	< 1.0	1.0	0.030	mg/L							
Chromium	< 0.010	0.010	0.00024	mg/L							
Lead	< 0.0030	0.0030	0.00042	mg/L							
Magnesium	< 1.0	1.0	0.0021	mg/L							
Potassium	< 1.0	1.0	0.0016	mg/L							
Selenium	< 0.020	0.020	0.0019	mg/L							
Silver	< 0.0050	0.0050	0.00031	mg/L							
Sodium	< 1.0	1.0	0.0053	mg/L							

LCS (B1L1214-BS1)

Prepared: 12/12/11 Analyzed: 12/13/11

Arsenic	0.415	0.010	0.0011	mg/L	0.399		104	80-120			
Barium	0.425	0.020	0.0012	mg/L	0.399		107	80-120			
Cadmium	0.418	0.0010	0.00013	mg/L	0.399		105	80-120			
Calcium	4.42	1.0	0.030	mg/L	3.99		111	80-120			
Chromium	0.430	0.010	0.00024	mg/L	0.399		108	80-120			
Lead	0.442	0.0030	0.00042	mg/L	0.399		111	80-120			
Magnesium	4.36	1.0	0.0021	mg/L	3.99		109	80-120			
Potassium	2.05	1.0	0.0016	mg/L	2.00		103	80-120			
Selenium	0.413	0.020	0.0019	mg/L	0.399		103	80-120			
Silver	0.0430	0.0050	0.00031	mg/L	0.0399		108	80-120			
Sodium	4.15	1.0	0.0053	mg/L	3.99		104	80-120			

LCS Dup (B1L1214-BSD1)

Prepared: 12/12/11 Analyzed: 12/13/11

Arsenic	0.412	0.010	0.0011	mg/L	0.399		103	80-120	0.664	20	
Barium	0.425	0.020	0.0012	mg/L	0.399		106	80-120	0.170	20	
Cadmium	0.417	0.0010	0.00013	mg/L	0.399		105	80-120	0.149	20	
Calcium	4.32	1.0	0.030	mg/L	3.99		108	80-120	2.24	20	
Chromium	0.425	0.010	0.00024	mg/L	0.399		107	80-120	1.11	20	
Lead	0.437	0.0030	0.00042	mg/L	0.399		110	80-120	1.08	20	
Magnesium	4.36	1.0	0.0021	mg/L	3.99		109	80-120	0.118	20	
Potassium	2.06	1.0	0.0016	mg/L	2.00		103	80-120	0.417	20	
Selenium	0.413	0.020	0.0019	mg/L	0.399		103	80-120	0.00484	20	
Silver	0.0427	0.0050	0.00031	mg/L	0.0399		107	80-120	0.585	20	
Sodium	4.19	1.0	0.0053	mg/L	3.99		105	80-120	1.01	20	

Matrix Spike (B1L1214-MS1)

Source: 1105827-01

Prepared: 12/12/11 Analyzed: 12/13/11

Arsenic	0.417	0.010	0.0011	mg/L	0.399	<0.010	104	75-125			
Barium	0.468	0.020	0.0012	mg/L	0.399	0.0482	105	75-125			

Barr Engineering Co.
 4700 W 77th St
 Minneapolis, MN 55435

Project: 23191092
 Project Number: 23191092 48RI 820
 Project Manager: Ms. Andrea Nord

Work Order #: 1105827
 Date Reported: 12/19/11

DISSOLVED METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1L1214 - EPA 200.7/3005A Digestion											
Matrix Spike (B1L1214-MS1)			Source: 1105827-01			Prepared: 12/12/11		Analyzed: 12/13/11			
Cadmium	0.413	0.0010	0.00013	mg/L	0.399	<0.0010	103	75-125			
Calcium	79.1	1.0	0.030	mg/L	3.99	75.2	98.7	75-125			
Chromium	0.425	0.010	0.00024	mg/L	0.399	<0.010	106	75-125			
Lead	0.431	0.0030	0.00042	mg/L	0.399	<0.0030	108	75-125			
Magnesium	26.2	1.0	0.0021	mg/L	3.99	22.1	104	75-125			
Potassium	3.63	1.0	0.0016	mg/L	2.00	1.41	111	75-125			
Selenium	0.414	0.020	0.0019	mg/L	0.399	<0.020	104	75-125			
Silver	0.0421	0.0050	0.00031	mg/L	0.0399	<0.0050	106	75-125			
Sodium	11.0	1.0	0.0053	mg/L	3.99	6.68	107	75-125			
Matrix Spike Dup (B1L1214-MSD1)											
Source: 1105827-01			Prepared: 12/12/11		Analyzed: 12/13/11						
Arsenic	0.420	0.010	0.0011	mg/L	0.399	<0.010	105	75-125	0.680	20	
Barium	0.469	0.020	0.0012	mg/L	0.399	0.0482	105	75-125	0.213	20	
Cadmium	0.410	0.0010	0.00013	mg/L	0.399	<0.0010	103	75-125	0.507	20	
Calcium	79.6	1.0	0.030	mg/L	3.99	75.2	112	75-125	0.680	20	
Chromium	0.425	0.010	0.00024	mg/L	0.399	<0.010	106	75-125	0.0184	20	
Lead	0.431	0.0030	0.00042	mg/L	0.399	<0.0030	108	75-125	0.0337	20	
Magnesium	26.2	1.0	0.0021	mg/L	3.99	22.1	102	75-125	0.314	20	
Potassium	3.63	1.0	0.0016	mg/L	2.00	1.41	111	75-125	0.00552	20	
Selenium	0.415	0.020	0.0019	mg/L	0.399	<0.020	104	75-125	0.413	20	
Silver	0.0428	0.0050	0.00031	mg/L	0.0399	<0.0050	107	75-125	1.71	20	
Sodium	11.1	1.0	0.0053	mg/L	3.99	6.68	110	75-125	1.02	20	
Batch B1L1516 - EPA 245.1/7470A Digestion											
Blank (B1L1516-BLK1)			Prepared: 12/15/11		Analyzed: 12/16/11						
Mercury	< 0.00020	0.00020	0.000037	mg/L							
LCS (B1L1516-BS1)			Prepared: 12/15/11		Analyzed: 12/16/11						
Mercury	0.00202	0.00020	0.000037	mg/L	0.00200		101	80-120			
LCS Dup (B1L1516-BSD1)			Prepared: 12/15/11		Analyzed: 12/16/11						
Mercury	0.00200	0.00020	0.000037	mg/L	0.00200		100	80-120	0.995	20	
Matrix Spike (B1L1516-MS1)			Source: 1105827-01			Prepared: 12/15/11		Analyzed: 12/16/11			
Mercury	0.00200	0.00020	0.000037	mg/L	0.00200	<0.00020	100	75-125			
Matrix Spike Dup (B1L1516-MSD1)			Source: 1105827-01			Prepared: 12/15/11		Analyzed: 12/16/11			
Mercury	0.00197	0.00020	0.000037	mg/L	0.00200	<0.00020	98.5	75-125	1.51	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1L1305 - EPA 3510C (Sep Funnel)

Blank (B1L1305-BLK1)

Prepared & Analyzed: 12/13/11

1,2,4-Trichlorobenzene	< 0.30	10	0.30	ug/L							
1,2-Dichlorobenzene	< 0.33	10	0.33	ug/L							
1,2-Diphenylhydrazine as Azobenzene	< 0.26	10	0.26	ug/L							
1,3-Dichlorobenzene	< 0.31	10	0.31	ug/L							
1,4-Dichlorobenzene	< 0.29	10	0.29	ug/L							
2,3,4,6-Tetrachlorophenol	< 0.96	10	0.96	ug/L							
2,4,5-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4,6-Trichlorophenol	< 0.59	10	0.59	ug/L							
2,4-Dichlorophenol	< 0.63	10	0.63	ug/L							
2,4-Dimethylphenol	< 0.57	10	0.57	ug/L							
2,4-Dinitrophenol	< 1.2	10	1.2	ug/L							
2,4-Dinitrotoluene	< 0.45	10	0.45	ug/L							
2,6-Dichlorophenol	< 0.50	10	0.50	ug/L							
2,6-Dinitrotoluene	< 0.53	10	0.53	ug/L							
2-Chloronaphthalene	< 0.60	10	0.60	ug/L							
2-Chlorophenol	< 0.39	10	0.39	ug/L							
2-Methylnaphthalene	< 0.88	10	0.88	ug/L							
2-Methylphenol	< 0.48	10	0.48	ug/L							
2-Nitroaniline	< 0.60	10	0.60	ug/L							
2-Nitrophenol	< 0.93	10	0.93	ug/L							
3&4-Methylphenol	< 0.41	10	0.41	ug/L							
3,3'-Dichlorobenzidine	< 7.2	25	7.2	ug/L							
3-Nitroaniline	< 1.1	10	1.1	ug/L							
4,6-Dinitro-2-methylphenol	< 1.0	10	1.0	ug/L							
4-Bromophenyl phenyl ether	< 0.42	10	0.42	ug/L							
4-Chloro-3-methylphenol	< 0.48	10	0.48	ug/L							
4-Chloroaniline	< 1.3	10	1.3	ug/L							
4-Chlorophenyl phenyl ether	< 0.31	10	0.31	ug/L							
4-Nitroaniline	< 0.90	10	0.90	ug/L							
4-Nitrophenol	< 0.78	10	0.78	ug/L							
Acenaphthene	< 0.60	10	0.60	ug/L							
Acenaphthylene	< 0.55	10	0.55	ug/L							
Aniline	< 1.6	10	1.6	ug/L							
Anthracene	< 0.56	10	0.56	ug/L							
Benzidine	< 7.6	100	7.6	ug/L							
Benzo(a)anthracene	< 0.50	10	0.50	ug/L							
Benzo(a)pyrene	< 0.41	10	0.41	ug/L							
Benzo(b)fluoranthene	< 0.44	10	0.44	ug/L							
Benzo(g,h,i)perylene	< 0.46	10	0.46	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1L1305 - EPA 3510C (Sep Funnel)

Blank (B1L1305-BLK1)

Prepared & Analyzed: 12/13/11

Benzo(k)fluoranthene	< 0.49	10	0.49	ug/L							
Benzoic acid	< 0.52	10	0.52	ug/L							
Benzyl alcohol	< 1.2	10	1.2	ug/L							
Bis(2-chloroethoxy)methane	< 0.27	10	0.27	ug/L							
Bis(2-chloroethyl)ether	< 0.22	10	0.22	ug/L							
Bis(2-chloroisopropyl)ether	< 0.23	10	0.23	ug/L							
Bis(2-ethylhexyl)phthalate	< 0.81	10	0.81	ug/L							
Butyl benzyl phthalate	< 0.45	10	0.45	ug/L							
Carbazole	< 0.33	10	0.33	ug/L							
Chrysene	< 0.61	10	0.61	ug/L							
Dibenz(a,h)anthracene	< 0.55	10	0.55	ug/L							
Dibenzofuran	< 0.59	10	0.59	ug/L							
Diethyl phthalate	< 0.30	10	0.30	ug/L							
Dimethyl phthalate	< 0.33	10	0.33	ug/L							
Di-n-butyl phthalate	< 0.39	10	0.39	ug/L							
Di-n-octyl phthalate	< 0.67	10	0.67	ug/L							
Fluoranthene	< 0.61	10	0.61	ug/L							
Fluorene	< 0.52	10	0.52	ug/L							
Hexachlorobenzene	< 0.40	10	0.40	ug/L							
Hexachlorobutadiene	< 0.41	10	0.41	ug/L							
Hexachlorocyclopentadiene	< 0.35	10	0.35	ug/L							
Hexachloroethane	< 0.33	10	0.33	ug/L							
Indeno (1,2,3-cd) pyrene	< 0.39	10	0.39	ug/L							
Isophorone	< 0.26	10	0.26	ug/L							
Naphthalene	< 0.52	10	0.52	ug/L							
Nitrobenzene	< 0.37	10	0.37	ug/L							
N-Nitrosodimethylamine	< 0.48	10	0.48	ug/L							
N-Nitrosodi-n-propylamine	< 0.25	10	0.25	ug/L							
N-Nitrosodiphenylamine	< 0.38	10	0.38	ug/L							
Pentachlorophenol	< 0.90	10	0.90	ug/L							
Phenanthrene	< 0.35	10	0.35	ug/L							
Phenol	< 0.41	10	0.41	ug/L							
Pyrene	< 0.66	10	0.66	ug/L							
Surrogate: 2,4,6-Tribromophenol	90.0			ug/L	100		90.0	30-122			
Surrogate: 2-Fluorobiphenyl	82.6			ug/L	100		82.6	39.2-104			
Surrogate: 2-Fluorophenol	61.3			ug/L	100		61.3	30-80.1			
Surrogate: Nitrobenzene-d5	69.4			ug/L	100		69.4	51.2-103			
Surrogate: Phenol-d6	62.7			ug/L	100		62.7	30-75.3			
Surrogate: Terphenyl-d14	73.0			ug/L	100		73.0	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1L1305 - EPA 3510C (Sep Funnel)

LCS (B1L1305-BS1)

Prepared & Analyzed: 12/13/11

1,2,4-Trichlorobenzene	59.6	10	0.30	ug/L	100		59.6	47.4-88.7			
1,4-Dichlorobenzene	70.8	10	0.29	ug/L	100		70.8	39.5-81			
2,4-Dinitrotoluene	85.4	10	0.45	ug/L	100		85.4	67.2-99.3			
2-Chlorophenol	74.2	10	0.39	ug/L	100		74.2	56.5-85.9			
4-Chloro-3-methylphenol	78.9	10	0.48	ug/L	100		78.9	62.1-98.2			
4-Nitrophenol	70.9	10	0.78	ug/L	100		70.9	40.5-98.5			
Anthracene	75.8	10	0.56	ug/L	100		75.8	70.6-95.3			
Benzo(a)anthracene	87.5	10	0.50	ug/L	100		87.5	73.7-96.6			
Benzo(a)pyrene	90.7	10	0.41	ug/L	100		90.7	70.9-92.6			
Chrysene	93.6	10	0.61	ug/L	100		93.6	71.8-97.5			
Fluoranthene	76.7	10	0.61	ug/L	100		76.7	73.6-96.8			
Fluorene	74.2	10	0.52	ug/L	100		74.2	69.3-93.3			
N-Nitrosodi-n-propylamine	72.0	10	0.25	ug/L	100		72.0	65.9-89.3			
Pentachlorophenol	83.0	10	0.90	ug/L	100		83.0	55-107			
Phenanthrene	76.8	10	0.35	ug/L	100		76.8	72.5-97.6			
Phenol	55.7	10	0.41	ug/L	100		55.7	34.1-71.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	86.4			ug/L	100		86.4	30-122			
<i>Surrogate: 2-Fluorobiphenyl</i>	79.1			ug/L	100		79.1	39.2-104			
<i>Surrogate: 2-Fluorophenol</i>	65.9			ug/L	100		65.9	30-80.1			
<i>Surrogate: Nitrobenzene-d5</i>	66.4			ug/L	100		66.4	51.2-103			
<i>Surrogate: Phenol-d6</i>	58.9			ug/L	100		58.9	30-75.3			
<i>Surrogate: Terphenyl-d14</i>	76.7			ug/L	100		76.7	30-116			

LCS Dup (B1L1305-BSD1)

Prepared: 12/13/11 Analyzed: 12/14/11

Q9, QM-10

1,2,4-Trichlorobenzene	67.4	10	0.30	ug/L	100		67.4	47.4-88.7	12.2	20	
1,4-Dichlorobenzene	69.9	10	0.29	ug/L	100		69.9	39.5-81	1.32	20	
2,4-Dinitrotoluene	87.8	10	0.45	ug/L	100		87.8	67.2-99.3	2.73	20	
2-Chlorophenol	74.2	10	0.39	ug/L	100		74.2	56.5-85.9	0.0168	20	
4-Chloro-3-methylphenol	88.0	10	0.48	ug/L	100		88.0	62.1-98.2	10.9	20	
4-Nitrophenol	75.0	10	0.78	ug/L	100		75.0	40.5-98.5	5.65	20	
Anthracene	79.6	10	0.56	ug/L	100		79.6	70.6-95.3	4.79	20	
Benzo(a)anthracene	87.0	10	0.50	ug/L	100		87.0	73.7-96.6	0.621	20	
Benzo(a)pyrene	88.5	10	0.41	ug/L	100		88.5	70.9-92.6	2.47	20	
Chrysene	90.2	10	0.61	ug/L	100		90.2	71.8-97.5	3.76	20	
Fluoranthene	78.6	10	0.61	ug/L	100		78.6	73.6-96.8	2.39	20	
Fluorene	76.2	10	0.52	ug/L	100		76.2	69.3-93.3	2.76	20	
N-Nitrosodi-n-propylamine	71.7	10	0.25	ug/L	100		71.7	65.9-89.3	0.384	20	
Pentachlorophenol	84.2	10	0.90	ug/L	100		84.2	55-107	1.43	20	
Phenanthrene	80.4	10	0.35	ug/L	100		80.4	72.5-97.6	4.63	20	
Phenol	57.6	10	0.41	ug/L	100		57.6	34.1-71.6	3.43	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1L1305 - EPA 3510C (Sep Funnel)

LCS Dup (B1L1305-BSD1)

Prepared: 12/13/11 Analyzed: 12/14/11

Q9, QM-10

Surrogate: 2,4,6-Tribromophenol	88.8			ug/L	100		88.8	30-122			
Surrogate: 2-Fluorobiphenyl	85.0			ug/L	100		85.0	39.2-104			
Surrogate: 2-Fluorophenol	67.0			ug/L	100		67.0	30-80.1			
Surrogate: Nitrobenzene-d5	76.2			ug/L	100		76.2	51.2-103			
Surrogate: Phenol-d6	56.0			ug/L	100		56.0	30-75.3			
Surrogate: Terphenyl-d14	78.3			ug/L	100		78.3	30-116			

Matrix Spike (B1L1305-MS1)

Source: 1105841-01

Prepared & Analyzed: 12/13/11

1,2,4-Trichlorobenzene	71.2	10	0.30	ug/L	104	<10	68.4	39.2-90.6			
1,4-Dichlorobenzene	74.7	10	0.29	ug/L	104	<10	71.7	34.1-81.6			
2,4-Dinitrotoluene	92.8	10	0.45	ug/L	104	<10	89.1	41.1-110			
2-Chlorophenol	80.2	10	0.39	ug/L	104	<10	77.0	30-96.4			
4-Chloro-3-methylphenol	92.1	10	0.48	ug/L	104	<10	88.4	30-113			
4-Nitrophenol	82.7	10	0.78	ug/L	104	<10	79.4	30-112			
Anthracene	87.5	10	0.56	ug/L	104	<10	84.0	30-119			
Benzo(a)anthracene	93.7	10	0.50	ug/L	104	<10	89.9	30-122			
Benzo(a)pyrene	96.4	10	0.41	ug/L	104	<10	92.5	30-118			
Chrysene	96.2	10	0.61	ug/L	104	<10	92.3	30-125			
Fluoranthene	85.0	10	0.61	ug/L	104	<10	81.6	31.6-119			
Fluorene	82.2	10	0.52	ug/L	104	<10	79.0	40.8-107			
N-Nitrosodi-n-propylamine	77.1	10	0.25	ug/L	104	<10	74.0	47.2-94.8			
Pentachlorophenol	107	10	0.90	ug/L	104	<10	102	30-130			
Phenanthrene	88.9	10	0.35	ug/L	104	<10	85.3	38.2-117			
Phenol	63.1	10	0.41	ug/L	104	<10	60.6	30-80			
Surrogate: 2,4,6-Tribromophenol	98.8			ug/L	104		94.9	30-122			
Surrogate: 2-Fluorobiphenyl	88.6			ug/L	104		85.0	39.2-104			
Surrogate: 2-Fluorophenol	70.8			ug/L	104		68.0	30-80.1			
Surrogate: Nitrobenzene-d5	77.4			ug/L	104		74.3	51.2-103			
Surrogate: Phenol-d6	63.9			ug/L	104		61.3	30-75.3			
Surrogate: Terphenyl-d14	82.4			ug/L	104		79.1	30-116			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1L0916 - EPA 5030 Water (Purge and Trap)

Blank (B1L0916-BLK1)

Prepared & Analyzed: 12/09/11

1,1,1,2-Tetrachloroethane	< 0.29	1.0	0.29	ug/L							
1,1,1-Trichloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2,2-Tetrachloroethane	< 0.16	1.0	0.16	ug/L							
1,1,2-Trichloroethane	< 0.19	1.0	0.19	ug/L							
1,1,2-Trichlorotrifluoroethane	< 0.25	1.0	0.25	ug/L							
1,1-Dichloroethane	< 0.15	1.0	0.15	ug/L							
1,1-Dichloroethene	< 0.24	1.0	0.24	ug/L							
1,1-Dichloropropene	< 0.14	1.0	0.14	ug/L							
1,2,3-Trichlorobenzene	< 0.35	5.0	0.35	ug/L							
1,2,3-Trichloropropane	< 0.22	2.5	0.22	ug/L							
1,2,4-Trichlorobenzene	< 0.30	5.0	0.30	ug/L							
1,2,4-Trimethylbenzene	< 0.072	1.0	0.072	ug/L							
1,2-Dibromo-3-chloropropane	< 0.40	5.0	0.40	ug/L							
1,2-Dibromoethane (EDB)	< 0.15	2.5	0.15	ug/L							
1,2-Dichlorobenzene	< 0.12	1.0	0.12	ug/L							
1,2-Dichloroethane	< 0.26	1.0	0.26	ug/L							
1,2-Dichloropropane	< 0.19	1.0	0.19	ug/L							
1,3,5-Trimethylbenzene	< 0.11	1.0	0.11	ug/L							
1,3-Dichlorobenzene	< 0.15	1.0	0.15	ug/L							
1,3-Dichloropropane	< 0.16	1.0	0.16	ug/L							
1,4-Dichlorobenzene	< 0.081	1.0	0.081	ug/L							
2,2-Dichloropropane	< 0.66	5.0	0.66	ug/L							
2-Butanone	< 0.65	20	0.65	ug/L							
2-Chlorotoluene	< 0.081	1.0	0.081	ug/L							
4-Chlorotoluene	< 0.11	1.0	0.11	ug/L							
Acetone	< 3.8	20	3.8	ug/L							
Allyl chloride	< 0.51	5.0	0.51	ug/L							
Benzene	< 0.071	1.0	0.071	ug/L							
Bromobenzene	< 0.082	1.0	0.082	ug/L							
Bromochloromethane	< 0.20	1.0	0.20	ug/L							
Bromodichloromethane	< 0.23	1.0	0.23	ug/L							
Bromoform	< 0.26	5.0	0.26	ug/L							
Bromomethane	< 0.32	5.0	0.32	ug/L							
Carbon tetrachloride	< 0.15	1.0	0.15	ug/L							
Chlorobenzene	< 0.20	1.0	0.20	ug/L							
Chloroethane	< 0.27	2.5	0.27	ug/L							
Chloroform	< 0.15	1.0	0.15	ug/L							
Chloromethane	< 0.24	2.5	0.24	ug/L							
cis-1,2-Dichloroethene	< 0.12	1.0	0.12	ug/L							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1L0916 - EPA 5030 Water (Purge and Trap)

Blank (B1L0916-BLK1)

Prepared & Analyzed: 12/09/11

cis-1,3-Dichloropropene	< 0.18	1.0	0.18	ug/L							
Dibromochloromethane	< 0.26	2.5	0.26	ug/L							
Dibromomethane	< 0.24	2.5	0.24	ug/L							
Dichlorodifluoromethane	< 0.25	5.0	0.25	ug/L							
Dichlorofluoromethane	< 0.21	1.0	0.21	ug/L							
Ethyl ether	< 0.27	5.0	0.27	ug/L							
Ethylbenzene	< 0.28	1.0	0.28	ug/L							
Hexachlorobutadiene	< 0.42	10	0.42	ug/L							
Isopropylbenzene	< 0.12	1.0	0.12	ug/L							
m,p-Xylene	< 0.57	2.0	0.57	ug/L							
Methyl isobutyl ketone	< 0.40	5.0	0.40	ug/L							
Methyl tert-butyl ether	< 0.16	1.0	0.16	ug/L							
Methylene chloride	< 0.85	5.0	0.85	ug/L							
Naphthalene	< 0.30	5.0	0.30	ug/L							
n-Butylbenzene	< 0.15	2.5	0.15	ug/L							
n-Propylbenzene	< 0.094	1.0	0.094	ug/L							
o-Xylene	< 0.19	1.0	0.19	ug/L							
p-Isopropyltoluene	< 0.14	2.5	0.14	ug/L							
sec-Butylbenzene	< 0.11	1.0	0.11	ug/L							
Styrene	< 0.21	1.0	0.21	ug/L							
tert-Butylbenzene	< 0.091	1.0	0.091	ug/L							
Tetrachloroethene	< 0.28	1.0	0.28	ug/L							
Tetrahydrofuran	< 0.75	20	0.75	ug/L							
Toluene	< 0.10	1.0	0.10	ug/L							
trans-1,2-Dichloroethene	< 0.056	1.0	0.056	ug/L							
trans-1,3-Dichloropropene	< 0.14	1.0	0.14	ug/L							
Trichloroethene	< 0.18	1.0	0.18	ug/L							
Trichlorofluoromethane	< 0.29	1.0	0.29	ug/L							
Vinyl chloride	< 0.21	1.0	0.21	ug/L							
Surrogate: 4-Bromofluorobenzene	50.5			ug/L	55.0		91.9	80-121			
Surrogate: Dibromofluoromethane	52.7			ug/L	55.0		95.8	79.9-121			
Surrogate: Toluene-d8	54.1			ug/L	55.0		98.3	80-120			

LCS (B1L0916-BS1)

Prepared & Analyzed: 12/09/11

1,1,2,2-Tetrachloroethane	47.6	1.0	0.16	ug/L	50.0		95.3	80-121			
1,1-Dichloroethane	51.4	1.0	0.15	ug/L	50.0		103	80-125			
1,1-Dichloroethene	50.1	1.0	0.24	ug/L	50.0		100	80-125			
1,3,5-Trimethylbenzene	48.8	1.0	0.11	ug/L	50.0		97.6	75.4-125			
1,4-Dichlorobenzene	48.3	1.0	0.081	ug/L	50.0		96.6	75-125			
2-Chlorotoluene	47.9	1.0	0.081	ug/L	50.0		95.8	75.4-125			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1L0916 - EPA 5030 Water (Purge and Trap)

LCS (B1L0916-BS1)

Prepared & Analyzed: 12/09/11

Benzene	49.2	1.0	0.071	ug/L	50.0		98.4	80-120			
Bromoform	48.6	5.0	0.26	ug/L	50.0		97.3	80-120			
Chlorobenzene	48.3	1.0	0.20	ug/L	50.0		96.5	80-120			
Chloroform	50.9	1.0	0.15	ug/L	50.0		102	80-123			
Ethylbenzene	49.1	1.0	0.28	ug/L	50.0		98.1	80-120			
n-Butylbenzene	56.3	2.5	0.15	ug/L	50.0		113	75-125			
n-Propylbenzene	48.8	1.0	0.094	ug/L	50.0		97.7	75.8-125			
Toluene	48.0	1.0	0.10	ug/L	50.0		96.0	80-120			
Trichloroethene	49.6	1.0	0.18	ug/L	50.0		99.1	80-120			
Vinyl chloride	55.3	1.0	0.21	ug/L	50.0		111	75-130			
Surrogate: 4-Bromofluorobenzene	52.9			ug/L	55.0		96.2	80-121			
Surrogate: Dibromofluoromethane	52.8			ug/L	55.0		95.9	79.9-121			
Surrogate: Toluene-d8	53.4			ug/L	55.0		97.0	80-120			

Matrix Spike (B1L0916-MS1)

Source: 1105827-01

Prepared & Analyzed: 12/09/11

1,1,2,2-Tetrachloroethane	47.5	1.0	0.16	ug/L	50.0	<1.0	95.0	76.8-125			
1,1-Dichloroethane	49.7	1.0	0.15	ug/L	50.0	<1.0	99.3	80-125			
1,1-Dichloroethene	48.7	1.0	0.24	ug/L	50.0	<1.0	97.4	80-125			
1,3,5-Trimethylbenzene	47.3	1.0	0.11	ug/L	50.0	<1.0	94.5	75-125			
1,4-Dichlorobenzene	47.7	1.0	0.081	ug/L	50.0	<1.0	95.5	75-125			
2-Chlorotoluene	47.0	1.0	0.081	ug/L	50.0	<1.0	94.1	75-125			
Benzene	48.4	1.0	0.071	ug/L	50.0	<1.0	96.9	80-120			
Bromoform	46.4	5.0	0.26	ug/L	50.0	<5.0	92.7	80-120			
Chlorobenzene	45.8	1.0	0.20	ug/L	50.0	<1.0	91.6	80-120			
Chloroform	49.5	1.0	0.15	ug/L	50.0	<1.0	99.0	79.8-125			
Ethylbenzene	46.8	1.0	0.28	ug/L	50.0	<1.0	93.5	80-120			
n-Butylbenzene	53.9	2.5	0.15	ug/L	50.0	<2.5	108	75-130			
n-Propylbenzene	47.1	1.0	0.094	ug/L	50.0	<1.0	94.2	75-125			
Toluene	48.5	1.0	0.10	ug/L	50.0	<1.0	96.9	80-120			
Trichloroethene	48.4	1.0	0.18	ug/L	50.0	<1.0	96.8	80-120			
Vinyl chloride	51.1	1.0	0.21	ug/L	50.0	<1.0	102	75-130			
Surrogate: 4-Bromofluorobenzene	54.0			ug/L	55.0		98.1	80-121			
Surrogate: Dibromofluoromethane	53.9			ug/L	55.0		98.0	79.9-121			
Surrogate: Toluene-d8	54.0			ug/L	55.0		98.3	80-120			

Matrix Spike Dup (B1L0916-MSD1)

Source: 1105827-01

Prepared & Analyzed: 12/09/11

1,1,2,2-Tetrachloroethane	48.1	1.0	0.16	ug/L	50.0	<1.0	96.3	76.8-125	1.38	20	
1,1-Dichloroethane	49.2	1.0	0.15	ug/L	50.0	<1.0	98.4	80-125	0.935	20	
1,1-Dichloroethene	48.1	1.0	0.24	ug/L	50.0	<1.0	96.3	80-125	1.19	20	
1,3,5-Trimethylbenzene	47.9	1.0	0.11	ug/L	50.0	<1.0	95.9	75-125	1.42	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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VOC 8260B - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1L0916 - EPA 5030 Water (Purge and Trap)											
Matrix Spike Dup (B1L0916-MSD1)			Source: 1105827-01			Prepared & Analyzed: 12/09/11					
1,4-Dichlorobenzene	47.9	1.0	0.081	ug/L	50.0	<1.0	95.8	75-125	0.293	20	
2-Chlorotoluene	47.1	1.0	0.081	ug/L	50.0	<1.0	94.3	75-125	0.213	20	
Benzene	47.7	1.0	0.071	ug/L	50.0	<1.0	95.4	80-120	1.54	20	
Bromoform	48.2	5.0	0.26	ug/L	50.0	<5.0	96.5	80-120	3.97	20	
Chlorobenzene	47.8	1.0	0.20	ug/L	50.0	<1.0	95.6	80-120	4.25	20	
Chloroform	48.8	1.0	0.15	ug/L	50.0	<1.0	97.6	79.8-125	1.37	20	
Ethylbenzene	48.5	1.0	0.28	ug/L	50.0	<1.0	97.0	80-120	3.65	20	
n-Butylbenzene	53.5	2.5	0.15	ug/L	50.0	<2.5	107	75-130	0.679	20	
n-Propylbenzene	47.5	1.0	0.094	ug/L	50.0	<1.0	95.0	75-125	0.838	20	
Toluene	47.3	1.0	0.10	ug/L	50.0	<1.0	94.6	80-120	2.42	20	
Trichloroethene	48.2	1.0	0.18	ug/L	50.0	<1.0	96.4	80-120	0.378	20	
Vinyl chloride	49.0	1.0	0.21	ug/L	50.0	<1.0	97.9	75-130	4.27	20	
Surrogate: 4-Bromofluorobenzene	52.0			ug/L	55.0		94.6	80-121			
Surrogate: Dibromofluoromethane	54.2			ug/L	55.0		98.6	79.9-121			
Surrogate: Toluene-d8	53.8			ug/L	55.0		97.9	80-120			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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WET CHEMISTRY - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1L1611 - General Prep											
Blank (B1L1611-BLK1)											
						Prepared & Analyzed: 12/16/11					
Total Alkalinity as CaCO(3)	< 20	20	5.3	mg/L							
Duplicate (B1L1611-DUP1)											
						Source: 1105827-01 Prepared & Analyzed: 12/16/11					
Total Alkalinity as CaCO(3)	258	20	5.3	mg/L		263			1.92	20	
Reference (B1L1611-SRM1)											
						Prepared & Analyzed: 12/16/11					
Total Alkalinity as CaCO(3)	241			mg/L	249		96.8	90-110			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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ANIONS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1L0907 - General Prep Dept 4											
Blank (B1L0907-BLK1)											
					Prepared: 12/09/11 Analyzed: 12/13/11						
Chloride	< 0.10	0.10	0.0029	mg/L							
Nitrate as N	< 0.023	0.023	0.0045	mg/L							
Nitrite as N	< 0.030	0.030	0.0023	mg/L							
LCS (B1L0907-BS1)											
					Prepared: 12/09/11 Analyzed: 12/13/11						
Chloride	4.14	0.10	0.0029	mg/L	4.00		104	80-120			
Nitrate as N	0.923	0.023	0.0045	mg/L	0.904		102	85-115			
Nitrite as N	1.30	0.030	0.0023	mg/L	1.22		107	85-115			
LCS Dup (B1L0907-BSD1)											
					Prepared: 12/09/11 Analyzed: 12/13/11						
Chloride	4.15	0.10	0.0029	mg/L	4.00		104	80-120	0.137	15	
Nitrate as N	0.926	0.023	0.0045	mg/L	0.904		102	85-115	0.254	20	
Nitrite as N	1.30	0.030	0.0023	mg/L	1.22		107	85-115	0.0304	20	
Matrix Spike (B1L0907-MS1)											
					Source: 1105827-01		Prepared: 12/09/11 Analyzed: 12/13/11				
Chloride	7.87	0.10	0.0029	mg/L	4.00	4.45	85.5	80-120			
Nitrate as N	1.48	0.023	0.0045	mg/L	0.904	0.605	96.5	85-115			
Nitrite as N	1.28	0.030	0.0023	mg/L	1.22	<0.030	103	85-115			
Matrix Spike Dup (B1L0907-MSD1)											
					Source: 1105827-01		Prepared: 12/09/11 Analyzed: 12/13/11				
Chloride	7.98	0.10	0.0029	mg/L	4.00	4.45	88.4	80-120	1.47	15	
Nitrate as N	1.50	0.023	0.0045	mg/L	0.904	0.605	99.0	85-115	1.52	20	
Nitrite as N	1.28	0.030	0.0023	mg/L	1.22	<0.030	103	85-115	0.0334	20	
Batch B1L1307 - General Prep Dept 4											
Blank (B1L1307-BLK1)											
					Prepared: 12/13/11 Analyzed: 12/15/11						
Sulfate as SO(4)	< 0.10	0.10	0.024	mg/L							
LCS (B1L1307-BS1)											
					Prepared: 12/13/11 Analyzed: 12/15/11						
Sulfate as SO(4)	6.08	0.10	0.024	mg/L	6.00		101	80-120			
LCS Dup (B1L1307-BSD1)											
					Prepared: 12/13/11 Analyzed: 12/15/11						
Sulfate as SO(4)	6.09	0.10	0.024	mg/L	6.00		102	80-120	0.214	15	
Matrix Spike (B1L1307-MS1)											
					Source: 1105827-01		Prepared: 12/13/11 Analyzed: 12/15/11				
Sulfate as SO(4)	32.4	0.40	0.096	mg/L	24.0	8.45	99.8	80-120			
Matrix Spike Dup (B1L1307-MSD1)											
					Source: 1105827-01		Prepared: 12/13/11 Analyzed: 12/15/11				
Sulfate as SO(4)	32.3	0.40	0.096	mg/L	24.0	8.45	99.4	80-120	0.319	15	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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ANIONS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1L1701 - General Prep Dept 4											
Blank (B1L1701-BLK1)											
Perchlorate	< 0.10	0.10	0.019	mg/L							Prepared: 12/17/11 Analyzed: 12/19/11
LCS (B1L1701-BS1)											
Perchlorate	1.89	0.10	0.019	mg/L	2.01		94.2	80-120			Prepared: 12/17/11 Analyzed: 12/19/11
Matrix Spike (B1L1701-MS1)											
Source: 1105827-07											
Perchlorate	1.91	0.10	0.019	mg/L	2.01	<0.10	94.8	80-120			Prepared: 12/17/11 Analyzed: 12/19/11
Matrix Spike Dup (B1L1701-MSD1)											
Source: 1105827-07											
Perchlorate	1.88	0.10	0.019	mg/L	2.01	<0.10	93.8	80-120	1.10	15	Prepared: 12/17/11 Analyzed: 12/19/11

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1L1410 - General Prep Dept 4

Blank (B1L1410-BLK1)

Prepared & Analyzed: 12/14/11

1,3,5-Trinitrobenzene	< 0.19	4.0	0.19	ug/L							
1,3-Dinitrobenzene	< 0.38	4.0	0.38	ug/L							
2,4,6-Trinitrotoluene	< 0.39	4.0	0.39	ug/L							
2,4-Dinitrotoluene	< 0.34	4.0	0.34	ug/L							
2,6-Dinitrotoluene	< 0.57	4.0	0.57	ug/L							
2-Amino-4,6-Dinitrotoluene	< 0.43	4.0	0.43	ug/L							
2-Nitrotoluene	< 0.81	4.0	0.81	ug/L							
3-Nitrotoluene	< 0.61	4.0	0.61	ug/L							
4-Amino-2,6-Dinitrotoluene	< 0.51	4.0	0.51	ug/L							
4-Nitrotoluene	< 1.1	4.0	1.1	ug/L							
HMX	< 0.38	4.0	0.38	ug/L							
Nitrobenzene	< 0.62	4.0	0.62	ug/L							
RDX	< 0.48	4.0	0.48	ug/L							
Tetryl	< 0.62	4.0	0.62	ug/L							
Surrogate: 1,2-Dinitrobenzene	18.8			ug/L	20.0		94.2	70-130			

LCS (B1L1410-BS1)

Prepared & Analyzed: 12/14/11

1,3,5-Trinitrobenzene	19.5	4.0	0.19	ug/L	20.0		97.4	70-130			
1,3-Dinitrobenzene	16.2	4.0	0.38	ug/L	20.0		81.0	70-130			
2,4,6-Trinitrotoluene	17.2	4.0	0.39	ug/L	20.0		86.0	70-130			
2,4-Dinitrotoluene	17.0	4.0	0.34	ug/L	20.0		84.8	70-130			
2,6-Dinitrotoluene	17.7	4.0	0.57	ug/L	20.0		88.4	70-130			
2-Amino-4,6-Dinitrotoluene	17.8	4.0	0.43	ug/L	20.0		89.0	70-130			
2-Nitrotoluene	17.0	4.0	0.81	ug/L	20.0		84.8	70-130			
3-Nitrotoluene	18.0	4.0	0.61	ug/L	20.0		90.1	70-130			
4-Amino-2,6-Dinitrotoluene	17.0	4.0	0.51	ug/L	20.0		84.8	70-130			
4-Nitrotoluene	17.7	4.0	1.1	ug/L	20.0		88.7	70-130			
HMX	19.3	4.0	0.38	ug/L	20.0		96.6	70-130			
Nitrobenzene	17.2	4.0	0.62	ug/L	20.0		86.0	70-130			
RDX	18.1	4.0	0.48	ug/L	20.0		90.6	70-130			
Tetryl	17.7	4.0	0.62	ug/L	20.0		88.3	70-130			
Surrogate: 1,2-Dinitrobenzene	16.6			ug/L	20.0		83.2	70-130			

LCS Dup (B1L1410-BSD1)

Prepared & Analyzed: 12/14/11

1,3,5-Trinitrobenzene	20.0	4.0	0.19	ug/L	20.0		100	70-130	2.58	20	
1,3-Dinitrobenzene	18.2	4.0	0.38	ug/L	20.0		91.2	70-130	11.9	20	
2,4,6-Trinitrotoluene	18.8	4.0	0.39	ug/L	20.0		94.0	70-130	9.00	20	
2,4-Dinitrotoluene	19.1	4.0	0.34	ug/L	20.0		95.3	70-130	11.6	20	
2,6-Dinitrotoluene	19.9	4.0	0.57	ug/L	20.0		99.6	70-130	12.0	20	
2-Amino-4,6-Dinitrotoluene	19.9	4.0	0.43	ug/L	20.0		99.5	70-130	11.1	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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EXPLOSIVES 8330 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1L1410 - General Prep Dept 4											
LCS Dup (B1L1410-BSD1)											
	Prepared & Analyzed: 12/14/11										
2-Nitrotoluene	18.5	4.0	0.81	ug/L	20.0		92.4	70-130	8.57	20	
3-Nitrotoluene	20.2	4.0	0.61	ug/L	20.0		101	70-130	11.5	20	
4-Amino-2,6-Dinitrotoluene	18.8	4.0	0.51	ug/L	20.0		93.8	70-130	10.0	20	
4-Nitrotoluene	17.9	4.0	1.1	ug/L	20.0		89.4	70-130	0.730	20	
HMX	19.8	4.0	0.38	ug/L	20.0		99.1	70-130	2.55	20	
Nitrobenzene	19.1	4.0	0.62	ug/L	20.0		95.5	70-130	10.5	20	
RDX	18.1	4.0	0.48	ug/L	20.0		90.4	70-130	0.221	20	
Tetryl	17.1	4.0	0.62	ug/L	20.0		85.6	70-130	3.11	20	
Surrogate: 1,2-Dinitrobenzene	18.1			ug/L	20.0		90.7	70-130			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Project Manager: Ms. Andrea Nord	Work Order #: 1105827 Date Reported: 12/19/11
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Notes and Definitions

T-2	MPCA does not require certification for this parameter.
T2	Cited ADHS licensed method does not contain this analyte as part of method compound list.
T-1	MDH does not offer certification for this parameter.
QM-10	LCS/LCSD were analyzed in place of MS/MSD.
Q9	Insufficient sample received to meet method QC requirements.
J	Parameter was present between the MDL and RL and should be considered an estimated value
H3b	The trip-blank sample was received and analyzed past holding time.
<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

BARR Chain of Custody
 4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600

1105827

Project Number: 23/19-1092 4822 820
 Project Name: UMore RI - MW Sampling
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: **NO 37147**

Number of Containers/Preservative		Total Number of Containers
Water	Soil	
SVOC's (unpreserved) #2		7
Dissolved Metals (HNO ₃)		
Total Metals (HNO ₃)		
General (unpreserved) #3		
Diesel Range Organics (HCl)		
Nutrients (H ₂ SO ₄) #4		
Alkalinity		
SVOC's (unpreserved) #2		
DRO (unpreserved)		
Metals (unpreserved)		
SVOC's (unpreserved) #2		
Soils (plastic vial, unpres.)		

Location	Start Depth	Stop Depth	Depth Unit (in./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		SVOC's (HCl) #1	SVOC's (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	Alkalinity	SVOC's (unpreserved) #2	DRO (unpreserved)	Metals (unpreserved)	SVOC's (unpreserved) #2	Soils (plastic vial, unpres.)	Total Number of Containers	
						Water	Soil	Grab	Comp.															OC
1. MW-A5-018	-	-	-	12/7/11	8:47	X		X			3	1												7
2. MW-C6-020	-	-	-	12/7/11	10:17	X		X			3	1												7
3. MW-B7-014	-	-	-	12/7/11	11:27	X		X			3	1												7
4. MW-C7-016	-	-	-	12/7/11	13:15	X		X			3	1												7
5. MW-B7-015	-	-	-	12/7/11	14:30	X		X			3	1												7
6. MW-B7-013	-	-	-	12/7/11	15:27	X		X			3	1												7
7. T00020	-	-	-	12/8/11	9:32	X		X			3	1												7
8. Trip Blank	-	-	-	12/8/11	-	X			X		1													1
9.																								
10.																								

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished by: *[Signature]* On Ice? Y N Date: 12/8/11 Time: [blank]
 Received by: [blank] Date: [blank] Time: [blank]
 Relinquished by: [blank] On Ice? Y N Date: [blank] Time: [blank]
 Received by: *[Signature]* Date: 12/8/11 Time: 11:05
 Samples Shipped VIA: Air Freight Federal Express Sampler Other: [blank] Air Bill Number: [blank]

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

H:\RL\STD\FORMS\Chain of Custody Form 2009 RLG Rev 09/01/09

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January 03, 2012

Ms. Andrea Nord
Barr Engineering Co.
4700 W 77th St
Minneapolis, MN 55435

Work Order Number: 1106017
RE: 23191092

Enclosed are the results of analyses for samples received by the laboratory on 12/21/11. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND, unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made.

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

Handwritten signature of Bach Pham in black ink.

Bach Pham
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Chemist II
trietle@legend-group.com

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Stage 2 Project Manager: Ms. Andrea Nord	Work Order #: 1106017 Date Reported: 01/03/12
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GUE-Cuttings	1106017-01	Soil	12/21/11 11:00	12/21/11 11:48

Shipping Container Information

Default Cooler	Temperature (°C):	
Received on ice: Yes	Temperature blank was not present	Received on ice pack: No
Received on melt water: No	Ambient: No	Acceptable (IH/ISO only): No
Custody seals: No		

Case Narrative:

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Stage 2 Project Manager: Ms. Andrea Nord	Work Order #: 1106017 Date Reported: 01/03/12
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GUE-Cuttings (1106017-01) Soil Sampled: 12/21/11 11:00 Received: 12/21/11 11:48										
Arsenic	2.4	0.53	0.058	mg/kg dry	1	B1L2205	12/22/11	12/27/11	EPA 6010B	
Barium	40	1.1	0.063	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.035	mg/kg dry	1	"	"	"	"	
Chromium	10	0.53	0.013	mg/kg dry	1	"	"	"	"	
Copper	12	1.1	0.058	mg/kg dry	1	"	"	"	"	
Lead	4.5	1.1	0.15	mg/kg dry	1	"	"	"	"	
Mercury	<0.095	0.095	0.018	mg/kg dry	1	B1L2214	12/22/11	12/28/11	EPA 7471A	
Selenium	<1.1	1.1	0.10	mg/kg dry	1	B1L2205	12/22/11	12/27/11	EPA 6010B	
Silver	<0.26	0.26	0.017	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Stage 2 Project Manager: Ms. Andrea Nord	Work Order #: 1106017 Date Reported: 01/03/12
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PCB 8082
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GUE-Cuttings (1106017-01) Soil Sampled: 12/21/11 11:00 Received: 12/21/11 11:48										
Aroclor 1016	<0.21	0.21	0.0083	mg/kg dry	1	B1L2803	12/28/11	12/30/11	EPA 8082	
Aroclor 1221	<0.21	0.21	0.021	mg/kg dry	1	"	"	12/30/11	"	
Aroclor 1232	<0.21	0.21	0.024	mg/kg dry	1	"	"	"	"	
Aroclor 1242	<0.21	0.21	0.011	mg/kg dry	1	"	"	"	"	
Aroclor 1248	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1254	<0.21	0.21	0.042	mg/kg dry	1	"	"	"	"	
Aroclor 1260	0.68	0.21	0.0062	mg/kg dry	1	"	"	12/30/11	"	
Surrogate: Decachlorobiphenyl	86.5			65.3-143 %		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene	85.0			60.9-138 %		"	"	"	"	



88 Empire Drive
 St Paul, MN 55103
 Tel: 651-642-1150
 Fax: 651-642-1239

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Stage 2 Project Manager: Ms. Andrea Nord	Work Order #: 1106017 Date Reported: 01/03/12
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GUE-Cuttings (1106017-01) Soil Sampled: 12/21/11 11:00 Received: 12/21/11 11:48										
% Solids	95			%	1	B1L3004	12/30/11	12/30/11	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Stage 2 Project Manager: Ms. Andrea Nord	Work Order #: 1106017 Date Reported: 01/03/12
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B1L2205 - EPA 3050B

Blank (B1L2205-BLK1)

Prepared: 12/22/11 Analyzed: 12/27/11

Arsenic	< 0.50	0.50	0.055	mg/kg wet							
Barium	< 1.0	1.0	0.060	mg/kg wet							
Cadmium	< 0.25	0.25	0.033	mg/kg wet							
Chromium	< 0.50	0.50	0.012	mg/kg wet							
Copper	< 1.0	1.0	0.055	mg/kg wet							
Lead	< 1.0	1.0	0.14	mg/kg wet							
Selenium	< 1.0	1.0	0.095	mg/kg wet							
Silver	< 0.25	0.25	0.016	mg/kg wet							

LCS (B1L2205-BS1)

Prepared: 12/22/11 Analyzed: 12/27/11

Arsenic	39.0	0.50	0.055	mg/kg wet	39.9		97.7	80-120			
Barium	40.4	1.0	0.060	mg/kg wet	39.9		101	80-120			
Cadmium	39.3	0.25	0.033	mg/kg wet	39.9		98.4	80-120			
Chromium	39.4	0.50	0.012	mg/kg wet	39.9		98.7	80-120			
Copper	39.9	1.0	0.055	mg/kg wet	39.9		100	80-120			
Lead	40.4	1.0	0.14	mg/kg wet	39.9		101	80-120			
Selenium	39.3	1.0	0.095	mg/kg wet	39.9		98.5	80-120			
Silver	4.01	0.25	0.016	mg/kg wet	3.99		100	80-120			

LCS Dup (B1L2205-BSD1)

Prepared: 12/22/11 Analyzed: 12/27/11

Arsenic	40.0	0.50	0.055	mg/kg wet	39.9		100	80-120	2.62	20	
Barium	40.6	1.0	0.060	mg/kg wet	39.9		102	80-120	0.521	20	
Cadmium	40.0	0.25	0.033	mg/kg wet	39.9		100	80-120	1.75	20	
Chromium	40.5	0.50	0.012	mg/kg wet	39.9		101	80-120	2.78	20	
Copper	40.3	1.0	0.055	mg/kg wet	39.9		101	80-120	1.03	20	
Lead	41.4	1.0	0.14	mg/kg wet	39.9		104	80-120	2.45	20	
Selenium	40.1	1.0	0.095	mg/kg wet	39.9		100	80-120	2.01	20	
Silver	4.05	0.25	0.016	mg/kg wet	3.99		102	80-120	1.07	20	

Matrix Spike (B1L2205-MS1)

Source: 1106017-01

Prepared: 12/22/11 Analyzed: 12/27/11

Arsenic	42.2	0.53	0.058	mg/kg dry	41.3	2.44	96.1	75-125			
Barium	89.0	1.1	0.063	mg/kg dry	41.3	40.0	118	75-125			
Cadmium	40.0	0.26	0.035	mg/kg dry	41.3	<0.26	96.5	75-125			
Chromium	47.8	0.53	0.013	mg/kg dry	41.3	10.5	90.2	75-125			
Copper	54.4	1.1	0.058	mg/kg dry	41.3	11.7	103	75-125			
Lead	44.1	1.1	0.15	mg/kg dry	41.3	4.51	95.8	75-125			
Selenium	38.9	1.1	0.10	mg/kg dry	41.3	<1.1	94.2	75-125			
Silver	3.97	0.26	0.017	mg/kg dry	4.13	<0.26	96.1	75-125			

Matrix Spike Dup (B1L2205-MSD1)

Source: 1106017-01

Prepared: 12/22/11 Analyzed: 12/27/11

Arsenic	41.5	0.53	0.058	mg/kg dry	41.2	2.44	94.7	75-125	1.70	20	
Barium	81.2	1.1	0.063	mg/kg dry	41.2	40.0	99.9	75-125	9.17	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Stage 2 Project Manager: Ms. Andrea Nord	Work Order #: 1106017 Date Reported: 01/03/12
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1L2205 - EPA 3050B											
Matrix Spike Dup (B1L2205-MSD1)			Source: 1106017-01			Prepared: 12/22/11		Analyzed: 12/27/11			
Cadmium	39.5	0.26	0.035	mg/kg dry	41.2	<0.26	95.7	75-125	1.16	20	
Chromium	48.1	0.53	0.013	mg/kg dry	41.2	10.5	91.3	75-125	0.658	20	
Copper	53.2	1.1	0.058	mg/kg dry	41.2	11.7	101	75-125	2.30	20	
Lead	45.2	1.1	0.15	mg/kg dry	41.2	4.51	98.7	75-125	2.36	20	
Selenium	38.7	1.1	0.10	mg/kg dry	41.2	<1.1	93.8	75-125	0.751	20	
Silver	3.94	0.26	0.017	mg/kg dry	4.12	<0.26	95.7	75-125	0.756	20	
Batch B1L2214 - EPA 7471A											
Blank (B1L2214-BLK1)						Prepared: 12/22/11		Analyzed: 12/28/11			
Mercury	< 0.10	0.10	0.019	mg/kg wet							
LCS (B1L2214-BS1)						Prepared: 12/22/11		Analyzed: 12/28/11			
Mercury	0.204	0.10	0.019	mg/kg wet	0.200		102	80-120			
LCS Dup (B1L2214-BSD1)						Prepared: 12/22/11		Analyzed: 12/28/11			
Mercury	0.222	0.10	0.019	mg/kg wet	0.200		111	80-120	8.45	20	
Matrix Spike (B1L2214-MS1)			Source: 1105981-01			Prepared: 12/22/11		Analyzed: 12/28/11			
Mercury	0.281	0.11	0.022	mg/kg dry	0.229	<0.11	104	75-125			
Matrix Spike Dup (B1L2214-MSD1)			Source: 1105981-01			Prepared: 12/22/11		Analyzed: 12/28/11			
Mercury	0.254	0.11	0.020	mg/kg dry	0.215	<0.11	97.4	75-125	10.3	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Stage 2 Project Manager: Ms. Andrea Nord	Work Order #: 1106017 Date Reported: 01/03/12
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PCB 8082 - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1L2803 - EPA 3545 ASE Extraction											
Blank (B1L2803-BLK1)											
						Prepared: 12/28/11 Analyzed: 12/30/11					
Aroclor 1016	< 0.20	0.20	0.0079	mg/kg wet							
Aroclor 1221	< 0.20	0.20	0.020	mg/kg wet							
Aroclor 1232	< 0.20	0.20	0.023	mg/kg wet							
Aroclor 1242	< 0.20	0.20	0.010	mg/kg wet							
Aroclor 1248	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1254	< 0.20	0.20	0.040	mg/kg wet							
Aroclor 1260	< 0.20	0.20	0.0059	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0587			mg/kg wet	0.0667		88.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0573			mg/kg wet	0.0667		86.0	60.9-138			
LCS (B1L2803-BS1)											
						Prepared: 12/28/11 Analyzed: 12/30/11					
Aroclor 1260	0.310	0.20	0.0059	mg/kg wet	0.333		92.9	70-130			
Surrogate: Decachlorobiphenyl	0.0573			mg/kg wet	0.0667		86.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0560			mg/kg wet	0.0667		84.0	60.9-138			
Matrix Spike (B1L2803-MS1)											
						Source: 1105991-03 Prepared: 12/28/11 Analyzed: 12/30/11					
Aroclor 1260	0.318	0.20	0.0059	mg/kg wet	0.336	<0.20	94.6	70-130			
Surrogate: Decachlorobiphenyl	0.0585			mg/kg wet	0.0672		87.0	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0565			mg/kg wet	0.0672		84.0	60.9-138			
Matrix Spike Dup (B1L2803-MSD1)											
						Source: 1105991-03 Prepared: 12/28/11 Analyzed: 12/30/11					
Aroclor 1260	0.321	0.20	0.0059	mg/kg wet	0.338	<0.20	94.9	70-130	0.924	17.2	
Surrogate: Decachlorobiphenyl	0.0585			mg/kg wet	0.0677		86.5	65.3-143			
Surrogate: Tetrachloro-meta-xylene	0.0572			mg/kg wet	0.0677		84.5	60.9-138			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Stage 2 Project Manager: Ms. Andrea Nord	Work Order #: 1106017 Date Reported: 01/03/12
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B1L3004 - General Preparation											
Duplicate (B1L3004-DUP1)		Source: 1106082-02				Prepared & Analyzed: 12/30/11					
% Solids	89.0			%		91.0			2.22	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23191092 Project Number: 23191092 48RI 820 Stage 2 Project Manager: Ms. Andrea Nord	Work Order #: 1106017 Date Reported: 01/03/12
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Notes and Definitions

< Less than value listed
dry Sample results reported on a dry weight basis
NA Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL Method Detection Limit
RL Reporting Limit
RPD Relative Percent Difference
LCS Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS Matrix Spike = Laboratory Fortified Matrix (LFM)

Chain of Custody
 4700 West 77th Street
BARR Minneapolis, MN 55435-4803
 (952) 832-2600

1106017

Project Number: 2319-1092 48 RI 820
 Project Name: UMore RI-Stage 2
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: **No 36622**

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		Number of Containers/Preservative		COC _____ of _____
						Water	Soil	Grab	Comp.	Water	Soil	
1. <u>LVE-Cuttings</u>	-	-	-	<u>12/21/11</u>	<u>11:00</u>	X		X		7	+	Project Manager: <u>JME</u>
2.												Project OC Contact: <u>AAN</u>
3.												Sampled by: <u>SRNZ</u>
4.												Laboratory: <u>LEGEND</u>
5.												
6.												
7.												
8.												
9.												
10.												

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: [Signature] On Ice? Y N Date _____ Time _____ Received by: _____ Date _____ Time _____
 Relinquished By: _____ On Ice? Y N Date _____ Time _____ Received by: [Signature] Date 12/21/11 Time 11:48
 Samples Shipped VIA: Air Freight Federal Express Sampler Air Bill Number: _____
 Other: _____

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica West Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

TestAmerica Job ID: G1G150429
Client Project Description: UMore Park

For:
Barr Engineering Company
4700 West 77th Street
Minneapolis, MN 55435-4803

Attn: Andrea Nord



Authorized for release by:
07/27/2011 09:20:23 AM

Karen Sellers
Project Manager
karen.sellers@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

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Case Narrative

TestAmerica West Sacramento Project Number G1G150429

SOLID, TAL-SOP WS-WC-0050, Nitrocellulose

Sample: 1

This sample was reported on a wet weight or “as received” basis due to the level of nitrocellulose detected.

There are no other anomalies associated with this project.

Detection Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1G150429

Client Sample ID: GC-SS4

Lab Sample ID: G1G150429001

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrocellulose	9.1		5.0		mg/kg	1		WS-WC-0050	Total

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Client Sample Results

Client: Barr Engineering Company

TestAmerica Job ID: G1G150429

Client Sample ID: GC-SS4

Lab Sample ID: G1G150429001

Date Collected: 07/07/11 16:00

Matrix: Solid

Date Received: 07/15/11 09:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrocellulose	9.1		5.0		mg/kg		07/22/11 10:00	07/25/11 15:41	1

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QC Sample Results

Client: Barr Engineering Company

TestAmerica Job ID: G1G150429

Method: WS-WC-0050 - Nitrocellulose as N by WS-WC-0050

Lab Sample ID: G1G220000070B
 Matrix: Solid
 Analysis Batch: 1203070

Client Sample ID: Method Blank
 Prep Type: Total
 Prep Batch: 1203070_P

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrocellulose	ND		5.0		mg/kg		07/22/11 10:00	07/25/11 15:37	1

Lab Sample ID: G1G220000070C
 Matrix: Solid
 Analysis Batch: 1203070

Client Sample ID: Lab Control Sample
 Prep Type: Total
 Prep Batch: 1203070_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrocellulose	50.7	37.0		mg/kg		73	34 - 115

Lab Sample ID: G1G150429001D
 Matrix: Solid
 Analysis Batch: 1203070

Client Sample ID: GC-SS4
 Prep Type: Total
 Prep Batch: 1203070_P

Analyte	Sample Result	Sample Qualifier	Spike Added	SD1 Result	SD1 Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Nitrocellulose	9.1		50.7	30.2		mg/kg		42	34 - 115	1.6	71

Lab Sample ID: G1G150429001S
 Matrix: Solid
 Analysis Batch: 1203070

Client Sample ID: GC-SS4
 Prep Type: Total
 Prep Batch: 1203070_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS1 Result	MS1 Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrocellulose	9.1		50.6	30.7		mg/kg		43	34 - 115

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QC Association Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1G150429

General Chemistry

Analysis Batch: 1203070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1G220000070B	Method Blank	Total	Solid	WS-WC-0050	
G1G220000070C	Lab Control Sample	Total	Solid	WS-WC-0050	
G1G150429001	GC-SS4	Total	Solid	WS-WC-0050	
G1G150429001S	GC-SS4	Total	Solid	WS-WC-0050	
G1G150429001D	GC-SS4	Total	Solid	WS-WC-0050	

Prep Batch: 1203070_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1G220000070B	Method Blank	Total	Solid	EXTRACTION, SOLID/SOLVEN T (Manual)	
G1G220000070C	Lab Control Sample	Total	Solid	EXTRACTION, SOLID/SOLVEN T (Manual)	
G1G150429001	GC-SS4	Total	Solid	EXTRACTION, SOLID/SOLVEN T (Manual)	
G1G150429001S	GC-SS4	Total	Solid	EXTRACTION, SOLID/SOLVEN T (Manual)	
G1G150429001D	GC-SS4	Total	Solid	EXTRACTION, SOLID/SOLVEN T (Manual)	

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Lab Chronicle

Client Sample ID: GC-SS4

Lab Sample ID: G1G150429001

Date Collected: 07/07/11 16:00

Matrix: Solid

Date Received: 07/15/11 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EXTRACTION, SOLID/SOLVENT (Manual)			1203070_P	07/22/11 10:00	HJA	TAL WSC
Total	Analysis	WS-WC-0050		1	1203070	07/25/11 15:41	JR	TAL WSC

Laboratory References:

TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

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Certification Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1G150429

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica West Sacramento		USEPA UCMR		CA00044
TestAmerica West Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica West Sacramento	Alaska	Alaska UST	10	UST-055
TestAmerica West Sacramento	Arizona	State Program	9	AZ0708
TestAmerica West Sacramento	Arkansas	State Program	6	88-0691
TestAmerica West Sacramento	California	NELAC	9	1119CA
TestAmerica West Sacramento	Colorado	State Program	8	N/A
TestAmerica West Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica West Sacramento	Florida	NELAC	4	E87570
TestAmerica West Sacramento	Georgia	State Program	4	960
TestAmerica West Sacramento	Guam	State Program	9	N/A
TestAmerica West Sacramento	Hawaii	State Program	9	N/A
TestAmerica West Sacramento	Illinois	NELAC	5	200060
TestAmerica West Sacramento	Kansas	NELAC	7	E-10375
TestAmerica West Sacramento	Louisiana	NELAC	6	30612
TestAmerica West Sacramento	Michigan	State Program	5	9947
TestAmerica West Sacramento	Nevada	State Program	9	CA44
TestAmerica West Sacramento	New Jersey	NELAC	2	CA005
TestAmerica West Sacramento	New Mexico	State Program	6	N/A
TestAmerica West Sacramento	New York	NELAC	2	11666
TestAmerica West Sacramento	Oregon	NELAC	10	CA200005
TestAmerica West Sacramento	Pennsylvania	NELAC	3	68-01272
TestAmerica West Sacramento	South Carolina	State Program	4	87014
TestAmerica West Sacramento	Texas	NELAC	6	T104704399-08-TX
TestAmerica West Sacramento	US Fish & Wildlife	US Fish & Wildlife		LE148388-0
TestAmerica West Sacramento	USDA	USDA		P330-09-00055
TestAmerica West Sacramento	Utah	NELAC	8	QUAN1
TestAmerica West Sacramento	Virginia	State Program	3	178
TestAmerica West Sacramento	Washington	State Program	10	C581
TestAmerica West Sacramento	West Virginia	West Virginia DEP	3	334
TestAmerica West Sacramento	West Virginia	West Virginia DHHR (DW)	3	9930C
TestAmerica West Sacramento	Wisconsin	State Program	5	998204680
TestAmerica West Sacramento	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Method Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1G150429

Method	Method Description	Protocol	Laboratory
WS-WC-0050	Nitrocellulose as N by WS-WC-0050	TAL-SOP	TAL WSC

Protocol References:

TAL-SOP = TAL-SOP

Laboratory References:

TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



Sample Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1G150429

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
G1G150429001	GC-SS4	Solid	07/07/11 16:00	07/15/11 09:10

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Chain of Custody

4700 West 77th Street
 Minneapolis, MN 55435-4803
 (952) 832-2600



Project Number: **23/19-1092 48RF 810**

Project Name: **Umore RI - Gov Central**

Sample Origination State: **MN** (use two letter postal state abbreviation)

COC Number: **No 36506**

Number of Containers/Preservative		COC <u>1</u> of <u>1</u>
Water	Soil	
VOCs (HCl) #1	VOCs (tared MeOH) #1	Total Number Of Containers: 1
SVOCs (unpreserved) #2	GRO. BTEX (tared MeOH) #1	
Dissolved Metals (HNO ₃)	DRO (tared unpreserved)	
Total Metals (HNO ₃)	Metals (unpreserved)	
General (unpreserved) #3	SVOCs (unpreserved) #2	
Diesel Range Organics (HCl)	% Solids (plastic vial, unpres.)	
Nutrients (H ₂ SO ₄) #4	Nitrocellulose / Flashpoint	

Project Manager: **JME**

Project QC Contact: **AAN**

Sampled by: **ADN**

Laboratory: **TestAmerica**

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type			VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO. BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Nitrocellulose / Flashpoint	Total Number Of Containers	
						Water	Soil	Grab	Comp.	QC																
1. GC 554	0.5	0.5	FT	7/7/2011	16:00	X	X																	X	1	
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Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <i>[Signature]</i>	On Ice? <input checked="" type="radio"/> Y <input type="radio"/> N	Date: 7/15/2011	Time: 09:45	Received by: <i>[Signature]</i>	Date: 7/13/11	Time: 09:45
Relinquished By: <i>[Signature]</i>	On Ice? <input checked="" type="radio"/> Y <input type="radio"/> N	Date: 7/13/11	Time: 16:30	Received by: <i>[Signature]</i>	Date: 7/15/11	Time: 11:0
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other: _____				Air Bill Number: _____		

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

H:\RLG\STDFORMS\Chain Of Custody Form 2009 RLG Rev 09/01/09

UMP017771



CLIENT Barr PM KMS LOG # 71670

LOT# (QUANTIMS ID) G1G150429 QUOTE# 83148 LOCATION W2B

DATE RECEIVED 7/15/11 TIME RECEIVED 9:10 Checked (✓)

DELIVERED BY FEDEX ON TRAC OTHER

GOLDENSTATE UPS EZ PARCEL

TAL COURIER TAL SF CLIENT

SHIPPING CONTAINER(S) TAL CLIENT N/A glissouren

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) uf

COC #(S) uf

TEMPERATURE BLANK Observed: 1 Corrected: 2

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 6 Average 6 Corrected Average 6

LABORATORY THERMOMETER ID:

IR UNIT: #4 #5 OTHER

JS 7/15/11
Initials Date

pH MEASURED YES ANOMALY N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW NA

SHORT HOLD TEST NOTIFICATION SAMPLE RECEIVING

WETCHEM N/A

VOA-ENCORES N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH N/A

APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES

CLOUSEAU TEMPERATURE EXCEEDED (2 °C - 6 °C)*1 N/A

WET ICE BLUE ICE GEL PACK NO COOLING AGENTS USED PM NOTIFIED

JS 7/15/11
Initials Date

Notes _____

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

Lot ID: GIG150429

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VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
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Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica West Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

TestAmerica Job ID: G1G160422
Client Project Description: UMore Park

For:
Barr Engineering Company
4700 West 77th Street
Minneapolis, MN 55435-4803

Attn: Andrea Nord



Authorized for release by:
07/28/2011 04:17:43 PM

Karen Sellers
Project Manager
karen.sellers@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.



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Case Narrative

TestAmerica West Sacramento Project Number G1G160422

There are no anomalies associated with this project.

Detection Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1G160422

Client Sample ID: E160D-TT2

Lab Sample ID: G1G160422001

No Detections.

Client Sample ID: E160D-TT2 DUP

Lab Sample ID: G1G160422001X

No Detections.

Client Sample ID: M-1

Lab Sample ID: G1G160422002

No Detections.

Client Sample ID: FB-E160D-TT2

Lab Sample ID: G1G160422003

No Detections.

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Client Sample Results

Client: Barr Engineering Company

TestAmerica Job ID: G1G160422

Client Sample ID: E160D-TT2

Lab Sample ID: G1G160422001

Date Collected: 07/14/11 08:00

Matrix: Solid

Date Received: 07/16/11 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16.0		0.10		%			07/28/11 11:42	1
Nitrocellulose	ND		6.0		mg/kg	☼	07/22/11 10:00	07/25/11 15:47	1

Client Sample ID: M-1

Lab Sample ID: G1G160422002

Date Collected: 07/14/11 00:00

Matrix: Solid

Date Received: 07/16/11 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15.1		0.10		%			07/28/11 11:43	1
Nitrocellulose	ND		5.9		mg/kg	☼	07/22/11 10:00	07/25/11 15:49	1

Client Sample ID: FB-E160D-TT2

Lab Sample ID: G1G160422003

Date Collected: 07/14/11 08:15

Matrix: Water

Date Received: 07/16/11 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrocellulose	ND		2.0		mg/L		07/20/11 08:00	07/22/11 09:31	1



QC Sample Results

Client: Barr Engineering Company

TestAmerica Job ID: G1G160422

Method: D 2216-90 - Moisture, Percent (D2216-90) - AFCEE

Lab Sample ID: G1G160422001X
 Matrix: Solid
 Analysis Batch: 1208206

Client Sample ID: E160D-TT2 DUP
 Prep Type: Total

Analyte	Sample Result	Sample Qualifier	LR1 Result	LR1 Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16.0		16.2		%		1.1	20

Method: WS-WC-0050 - Nitrocellulose as N by WS-WC-0050

Lab Sample ID: G1G200000024B
 Matrix: Water
 Analysis Batch: 1201024

Client Sample ID: Method Blank
 Prep Type: Total
 Prep Batch: 1201024_P

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrocellulose	ND		2.0		mg/L		07/20/11 08:00	07/21/11 13:23	1

Lab Sample ID: G1G200000024C
 Matrix: Water
 Analysis Batch: 1201024

Client Sample ID: Lab Control Sample
 Prep Type: Total
 Prep Batch: 1201024_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrocellulose	5.07	4.58		mg/L		90	26 - 144

Lab Sample ID: G1G160422003D
 Matrix: Water
 Analysis Batch: 1201024

Client Sample ID: FB-E160D-TT2
 Prep Type: Total
 Prep Batch: 1201024_P

Analyte	Sample Result	Sample Qualifier	Spike Added	SD1 Result	SD1 Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Nitrocellulose	ND		5.07	4.30		mg/L		85	26 - 144	0.23	45

Lab Sample ID: G1G160422003S
 Matrix: Water
 Analysis Batch: 1201024

Client Sample ID: FB-E160D-TT2
 Prep Type: Total
 Prep Batch: 1201024_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS1 Result	MS1 Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrocellulose	ND		5.07	4.31		mg/L		85	26 - 144

Lab Sample ID: G1G220000070B
 Matrix: Solid
 Analysis Batch: 1203070

Client Sample ID: Method Blank
 Prep Type: Total
 Prep Batch: 1203070_P

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrocellulose	ND		5.0		mg/kg		07/22/11 10:00	07/25/11 15:37	1

Lab Sample ID: G1G220000070C
 Matrix: Solid
 Analysis Batch: 1203070

Client Sample ID: Lab Control Sample
 Prep Type: Total
 Prep Batch: 1203070_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrocellulose	50.7	37.0		mg/kg		73	34 - 115

Lab Sample ID: G1G150429001D
 Matrix: Solid
 Analysis Batch: 1203070

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total
 Prep Batch: 1203070_P

Analyte	Sample Result	Sample Qualifier	Spike Added	SD1 Result	SD1 Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Nitrocellulose	9.1		50.7	30.2		mg/kg		42	34 - 115	1.6	71

TestAmerica West Sacramento

QC Sample Results

Client: Barr Engineering Company

TestAmerica Job ID: G1G160422

Method: WS-WC-0050 - Nitrocellulose as N by WS-WC-0050 (Continued)

Lab Sample ID: G1G150429001S
 Matrix: Solid
 Analysis Batch: 1203070

Client Sample ID: Matrix Spike
 Prep Type: Total
 Prep Batch: 1203070_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS1 Result	MS1 Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrocellulose	9.1		50.6	30.7		mg/kg		43	34 - 115

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QC Association Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1G160422

General Chemistry

Analysis Batch: 1201024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1G20000024B	Method Blank	Total	Water	WS-WC-0050	
G1G20000024C	Lab Control Sample	Total	Water	WS-WC-0050	
G1G160422003	FB-E160D-TT2	Total	Water	WS-WC-0050	
G1G160422003S	FB-E160D-TT2	Total	Water	WS-WC-0050	
G1G160422003D	FB-E160D-TT2	Total	Water	WS-WC-0050	

Analysis Batch: 1203070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1G220000070B	Method Blank	Total	Solid	WS-WC-0050	
G1G220000070C	Lab Control Sample	Total	Solid	WS-WC-0050	
G1G150429001S	Matrix Spike	Total	Solid	WS-WC-0050	
G1G150429001D	Matrix Spike Duplicate	Total	Solid	WS-WC-0050	
G1G160422001	E160D-TT2	Total	Solid	WS-WC-0050	
G1G160422002	M-1	Total	Solid	WS-WC-0050	

Analysis Batch: 1208206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1G160422001	E160D-TT2	Total	Solid	D 2216-90	
G1G160422001X	E160D-TT2 DUP	Total	Solid	D 2216-90	
G1G160422002	M-1	Total	Solid	D 2216-90	

Prep Batch: 1201024_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1G20000024B	Method Blank	Total	Water	EXTRACTION, SOLID PHASE	
G1G20000024C	Lab Control Sample	Total	Water	EXTRACTION, SOLID PHASE	
G1G160422003	FB-E160D-TT2	Total	Water	EXTRACTION, SOLID PHASE	
G1G160422003S	FB-E160D-TT2	Total	Water	EXTRACTION, SOLID PHASE	
G1G160422003D	FB-E160D-TT2	Total	Water	EXTRACTION, SOLID PHASE	

Prep Batch: 1203070_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1G220000070B	Method Blank	Total	Solid	EXTRACTION, SOLID/SOLVENT (Manual)	
G1G220000070C	Lab Control Sample	Total	Solid	EXTRACTION, SOLID/SOLVENT (Manual)	
G1G150429001S	Matrix Spike	Total	Solid	EXTRACTION, SOLID/SOLVENT (Manual)	
G1G150429001D	Matrix Spike Duplicate	Total	Solid	EXTRACTION, SOLID/SOLVENT (Manual)	
G1G160422001	E160D-TT2	Total	Solid	EXTRACTION, SOLID/SOLVENT (Manual)	
G1G160422002	M-1	Total	Solid	EXTRACTION, SOLID/SOLVENT (Manual)	



Lab Chronicle

Client Sample ID: E160D-TT2

Lab Sample ID: G1G160422001

Date Collected: 07/14/11 08:00

Matrix: Solid

Date Received: 07/16/11 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EXTRACTION, SOLID/SOLVENT (Manual)			1203070_P	07/22/11 10:00	HJA	TAL WSC
Total	Analysis	WS-WC-0050		1	1203070	07/25/11 15:47	JR	TAL WSC
Total	Analysis	D 2216-90		1	1208206	07/28/11 11:42	KG	TAL WSC

Client Sample ID: M-1

Lab Sample ID: G1G160422002

Date Collected: 07/14/11 00:00

Matrix: Solid

Date Received: 07/16/11 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EXTRACTION, SOLID/SOLVENT (Manual)			1203070_P	07/22/11 10:00	HJA	TAL WSC
Total	Analysis	WS-WC-0050		1	1203070	07/25/11 15:49	JR	TAL WSC
Total	Analysis	D 2216-90		1	1208206	07/28/11 11:43	KG	TAL WSC

Client Sample ID: FB-E160D-TT2

Lab Sample ID: G1G160422003

Date Collected: 07/14/11 08:15

Matrix: Water

Date Received: 07/16/11 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EXTRACTION, SOLID PHASE			1201024_P	07/20/11 08:00	TQP	TAL WSC
Total	Analysis	WS-WC-0050		1	1201024	07/22/11 09:31	JR	TAL WSC

Laboratory References:

TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Certification Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1G160422

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica West Sacramento		USEPA UCMR		CA00044
TestAmerica West Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica West Sacramento	Alaska	Alaska UST	10	UST-055
TestAmerica West Sacramento	Arizona	State Program	9	AZ0708
TestAmerica West Sacramento	Arkansas	State Program	6	88-0691
TestAmerica West Sacramento	California	NELAC	9	1119CA
TestAmerica West Sacramento	Colorado	State Program	8	N/A
TestAmerica West Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica West Sacramento	Florida	NELAC	4	E87570
TestAmerica West Sacramento	Georgia	State Program	4	960
TestAmerica West Sacramento	Guam	State Program	9	N/A
TestAmerica West Sacramento	Hawaii	State Program	9	N/A
TestAmerica West Sacramento	Illinois	NELAC	5	200060
TestAmerica West Sacramento	Kansas	NELAC	7	E-10375
TestAmerica West Sacramento	Louisiana	NELAC	6	30612
TestAmerica West Sacramento	Michigan	State Program	5	9947
TestAmerica West Sacramento	Nevada	State Program	9	CA44
TestAmerica West Sacramento	New Jersey	NELAC	2	CA005
TestAmerica West Sacramento	New Mexico	State Program	6	N/A
TestAmerica West Sacramento	New York	NELAC	2	11666
TestAmerica West Sacramento	Oregon	NELAC	10	CA200005
TestAmerica West Sacramento	Pennsylvania	NELAC	3	68-01272
TestAmerica West Sacramento	South Carolina	State Program	4	87014
TestAmerica West Sacramento	Texas	NELAC	6	T104704399-08-TX
TestAmerica West Sacramento	US Fish & Wildlife	US Fish & Wildlife		LE148388-0
TestAmerica West Sacramento	USDA	USDA		P330-09-00055
TestAmerica West Sacramento	Utah	NELAC	8	QUAN1
TestAmerica West Sacramento	Virginia	State Program	3	178
TestAmerica West Sacramento	Washington	State Program	10	C581
TestAmerica West Sacramento	West Virginia	West Virginia DEP	3	334
TestAmerica West Sacramento	West Virginia	West Virginia DHHR (DW)	3	9930C
TestAmerica West Sacramento	Wisconsin	State Program	5	998204680
TestAmerica West Sacramento	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Method Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1G160422

Method	Method Description	Protocol	Laboratory
D 2216-90	Moisture, Percent (D2216-90) - AFCEE	ASTM	TAL WSC
WS-WC-0050	Nitrocellulose as N by WS-WC-0050	TAL-SOP	TAL WSC

Protocol References:

- ASTM = ASTM International
- TAL-SOP = TAL-SOP

Laboratory References:

- TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



Sample Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1G160422

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
G1G160422001	E160D-TT2	Solid	07/14/11 08:00	07/16/11 08:40
G1G160422002	M-1	Solid	07/14/11 00:00	07/16/11 08:40
G1G160422003	FB-E160D-TT2	Water	07/14/11 08:15	07/16/11 08:40

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Project Number: 23/19-1092.00 48R1 810
 Project Name: UMove East - Gow Central
 Sample Origination State: MN (use two letter postal state abbreviation)
 COC Number: No 36488

Number of Containers/Preservative
 Water: _____ Soil: _____
 COC 1 of 1

Project Manager: JME
 Project QC Contact: AAN
 Sampled by: KEB
 Laboratory: TA

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	Nitrocellulose	VOCs (tared MeOH) #1	GRO, BUEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Nitrocellulose	Total Number Of Containers	
						Water	Soil	Grab	Comp.																	QC
E160D-TTZ	0.5	0.5	ft	6/14/2011	0800	X		X																X	1	Analyze Nitrocellulose
M-1	-	-	-	↓	-			X	X															X	1	↓
B-E160D-TTZ	-	-	-	↓	0815	X										X									1	↓
5. 6. 7. 8. 9. 10.																										

Common Parameter/Container - Preservation Key
 07/28/2011
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: Justin Svingke On Ice? Y N Date: 7/15/11 Time: 0600 Received by: Pete Annala Date: 7/15/11 Time: 0600
 Relinquished By: Pete Annala On Ice? Y N Date: 7/15/11 Time: 1630 Received by: jk cf Date: 10/20/11 Time: 1015
 Samples Shipped VIA: Air Freight Federal Express Sampler Air Bill Number: _____
 Other: _____

UMP017788

CLIENT BARB PM KS LOG # 71690

LOT# (QUANTIMS ID) G12160422 QUOTE# 83148 LOCATION W16C

DATE RECEIVED 16 JULY 11 TIME RECEIVED 0840 Checked (✓)

DELIVERED BY FEDEX ON TRAC OTHER

GOLDENSTATE UPS EZ PARCEL

TAL COURIER TAL SF CLIENT

SHIPPING CONTAINER(S) TAL CLIENT N/A

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) 2

COC #(S) 30488

TEMPERATURE BLANK Observed: 1 Corrected: 2

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 4, 5, 5 Average 5 Corrected Average 5

LABORATORY THERMOMETER ID:

IR UNIT: #4 #5 OTHER

Initials [Signature] Date 16 JULY 11

pH MEASURED YES ANOMALY N/A

LABELLED BY.....

LABELS CHECKED BY.....

PEER REVIEW NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM N/A

VOA-ENCORES N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES N/A

CLOUSEAU TEMPERATURE EXCEEDED (2 °C - 6 °C)*1 N/A

WET ICE BLUE ICE GEL PACK NO COOLING AGENTS USED PM NOTIFIED

Initials [Signature] Date 16 JULY 11

Notes _____

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

Lot ID: 616160422

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
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250AGJ																				
125AGJ	/	/																		
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

ORIGIN ID: BBBA (952) 832-2600
PETE LAMLESS
BARR ENGINEERING CO.
7390 OHMS LANE

SHIP DATE: 15JUL11
ACTWGT: 21.8 LB
CAD: 687918/CAFE2472

BILL SENDER

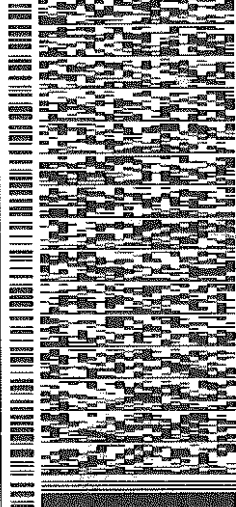
EDINA, MN 55439
UNITED STATES US

TO SAMPLE RECEIVING
TEST AMERICA
880 RIVERSIDE PARKWAY

WEST SACRAMENTO CA 95605

(916) 373-5600

REF: 23191092 48R1810



FedEx
Express



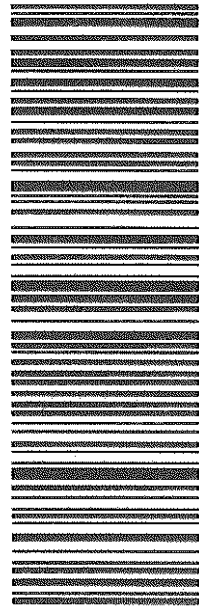
REL#
3785346

SATURDAY ### A1
PRIORITY OVERNIGHT

TRK# 4498 1974 9631

95605
CA-US
SMF

XO BLUA



508CZ/F555/DA47

Part # 155148-494 RIT2 04/10

ORIGIN ID: BBBA (952) 832-2600
PETE LAMLESS
BARR ENGINEERING CO.
7390 OHMS LANE

SHIP DATE: 15JUL11
ACTWGT: 21.8 LB
CAD: 687918/CAFE2472

EDINA, MN 55439
UNITED STATES US

TO SAMPLE RECEIVING
TEST AMERICA
880 RIVERSIDE PARKWAY

WEST SACRAMENTO, CA 95605

(US)

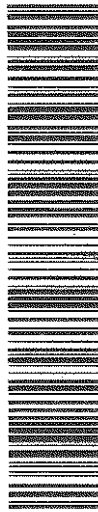
(916) 373-5600

FedEx
Express



Trk# 4498 1974 9631

PRIORITY OVERNIGHT



880 RIVERSIDE PARKWAY

RT 127
RN

9631
07.16

PLACE THIS LABEL ON PACKAGE
NEXT TO THE SHIPPING LABEL

Part # 155148-494 RIT2 04/10



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica West Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

TestAmerica Job ID: G1J180483
Client Project Description: UMore Park

For:
Barr Engineering Company
4700 West 77th Street
Minneapolis, MN 55435-4803

Attn: Andrea Nord



Authorized for release by:
11/8/2011 9:46:04 AM

Karen Sellers
Project Manager
karen.sellers@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

UMP017792

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Definitions/Glossary

Client: Barr Engineering Company

TestAmerica Job ID: G1J180483

Qualifiers

General Chemistry

Qualifier	Qualifier Description
N	Spike sample recovery is outside control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Case Narrative

TestAmerica West Sacramento Project Number G1J180483

There were no anomalies associated with this project.

Detection Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1J180483

Client Sample ID: GC-SS12

Lab Sample ID: G1J180483001

No Detections

Client Sample ID: GC-SS13

Lab Sample ID: G1J180483002

No Detections

Client Sample ID: GC-SS14

Lab Sample ID: G1J180483003

No Detections

Client Sample ID: U-238B

Lab Sample ID: G1J180483004

No Detections

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- 11
- 12
- 13

Client Sample Results

Client: Barr Engineering Company

TestAmerica Job ID: G1J180483

Client Sample ID: GC-SS12

Lab Sample ID: G1J180483001

Date Collected: 10/13/11 09:20

Matrix: Solid

Date Received: 10/18/11 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.6		0.10		%			10/21/11 06:20	1
Nitrocellulose	ND		5.4		mg/kg	☼	10/27/11 07:30	10/28/11 12:26	1

Client Sample ID: GC-SS13

Lab Sample ID: G1J180483002

Date Collected: 10/13/11 09:35

Matrix: Solid

Date Received: 10/18/11 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14.0		0.10		%			10/21/11 06:20	1
Nitrocellulose	ND		5.8		mg/kg	☼	10/27/11 07:30	10/28/11 12:28	1

Client Sample ID: GC-SS14

Lab Sample ID: G1J180483003

Date Collected: 10/13/11 10:00

Matrix: Solid

Date Received: 10/18/11 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12.6		0.10		%			10/21/11 06:21	1
Nitrocellulose	ND		5.7		mg/kg	☼	10/27/11 07:30	10/28/11 12:30	1

Client Sample ID: U-238B

Lab Sample ID: G1J180483004

Date Collected: 10/13/11 10:30

Matrix: Solid

Date Received: 10/18/11 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21.9		0.10		%			10/21/11 06:21	1
Nitrocellulose	ND		6.4		mg/kg	☼	10/27/11 07:30	10/28/11 12:32	1

QC Sample Results

Client: Barr Engineering Company

TestAmerica Job ID: G1J180483

Method: D 2216-90 - Moisture, Percent (D2216-90) - AFCEE

Lab Sample ID: G1J040499028X
Matrix: Solid
Analysis Batch: 1293159

Client Sample ID: Duplicate
Prep Type: Total

Analyte	Sample Result	Sample Qualifier	LR1 Result	LR1 Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	14.7		15.6		%		5.6	20

Method: WS-WC-0050 - Nitrocellulose as N by WS-WC-0050

Lab Sample ID: G1J270000037B
Matrix: Solid
Analysis Batch: 1300037

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 1300037_P

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrocellulose	ND		5.0		mg/kg		10/27/11 07:30	10/28/11 12:02	1

Lab Sample ID: G1J270000037C
Matrix: Solid
Analysis Batch: 1300037

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 1300037_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrocellulose	50.7	40.7		mg/kg		80	34 - 115

Lab Sample ID: G1J180464006D
Matrix: Solid
Analysis Batch: 1300037

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 1300037_P

Analyte	Sample Result	Sample Qualifier	Spike Added	SD1 Result	SD1 Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrocellulose	ND		48.0	13.2	N	mg/kg		21	34 - 115	6.6	71

Lab Sample ID: G1J180464006S
Matrix: Solid
Analysis Batch: 1300037

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 1300037_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS1 Result	MS1 Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrocellulose	ND		50.6	14.1	N	mg/kg		22	34 - 115

QC Association Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1J180483

General Chemistry

Analysis Batch: 1293159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1J040499028X	Duplicate	Total	Solid	D 2216-90	
G1J180483001	GC-SS12	Total	Solid	D 2216-90	
G1J180483002	GC-SS13	Total	Solid	D 2216-90	
G1J180483003	GC-SS14	Total	Solid	D 2216-90	
G1J180483004	U-238B	Total	Solid	D 2216-90	

Analysis Batch: 1300037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1J180464006D	Matrix Spike Duplicate	Total	Solid	WS-WC-0050	
G1J180464006S	Matrix Spike	Total	Solid	WS-WC-0050	
G1J180483001	GC-SS12	Total	Solid	WS-WC-0050	
G1J180483002	GC-SS13	Total	Solid	WS-WC-0050	
G1J180483003	GC-SS14	Total	Solid	WS-WC-0050	
G1J180483004	U-238B	Total	Solid	WS-WC-0050	
G1J270000037B	Method Blank	Total	Solid	WS-WC-0050	
G1J270000037C	Lab Control Sample	Total	Solid	WS-WC-0050	

Prep Batch: 1300037_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
G1J180464006D	Matrix Spike Duplicate	Total	Solid	EXTRACTION, SOLID/SOLVEN T (Manual)	
G1J180464006S	Matrix Spike	Total	Solid	EXTRACTION, SOLID/SOLVEN T (Manual)	
G1J180483001	GC-SS12	Total	Solid	EXTRACTION, SOLID/SOLVEN T (Manual)	
G1J180483002	GC-SS13	Total	Solid	EXTRACTION, SOLID/SOLVEN T (Manual)	
G1J180483003	GC-SS14	Total	Solid	EXTRACTION, SOLID/SOLVEN T (Manual)	
G1J180483004	U-238B	Total	Solid	EXTRACTION, SOLID/SOLVEN T (Manual)	
G1J270000037B	Method Blank	Total	Solid	EXTRACTION, SOLID/SOLVEN T (Manual)	
G1J270000037C	Lab Control Sample	Total	Solid	EXTRACTION, SOLID/SOLVEN T (Manual)	

Lab Chronicle

Client Sample ID: GC-SS12

Date Collected: 10/13/11 09:20

Date Received: 10/18/11 09:30

Lab Sample ID: G1J180483001

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	D 2216-90		1	1293159	10/21/11 06:20	WS	TAL WSC
Total	Prep	EXTRACTION, SOLID/SOLVENT (Manual)			1300037_P	10/27/11 07:30	TQP	TAL WSC
Total	Analysis	WS-WC-0050		1	1300037	10/28/11 12:26	JB	TAL WSC

Client Sample ID: GC-SS13

Date Collected: 10/13/11 09:35

Date Received: 10/18/11 09:30

Lab Sample ID: G1J180483002

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	D 2216-90		1	1293159	10/21/11 06:20	WS	TAL WSC
Total	Prep	EXTRACTION, SOLID/SOLVENT (Manual)			1300037_P	10/27/11 07:30	TQP	TAL WSC
Total	Analysis	WS-WC-0050		1	1300037	10/28/11 12:28	JB	TAL WSC

Client Sample ID: GC-SS14

Date Collected: 10/13/11 10:00

Date Received: 10/18/11 09:30

Lab Sample ID: G1J180483003

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	D 2216-90		1	1293159	10/21/11 06:21	WS	TAL WSC
Total	Prep	EXTRACTION, SOLID/SOLVENT (Manual)			1300037_P	10/27/11 07:30	TQP	TAL WSC
Total	Analysis	WS-WC-0050		1	1300037	10/28/11 12:30	JB	TAL WSC

Client Sample ID: U-238B

Date Collected: 10/13/11 10:30

Date Received: 10/18/11 09:30

Lab Sample ID: G1J180483004

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	D 2216-90		1	1293159	10/21/11 06:21	WS	TAL WSC
Total	Prep	EXTRACTION, SOLID/SOLVENT (Manual)			1300037_P	10/27/11 07:30	TQP	TAL WSC
Total	Analysis	WS-WC-0050		1	1300037	10/28/11 12:32	JB	TAL WSC

Laboratory References:

TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Certification Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1J180483

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica West Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica West Sacramento	Alaska	Alaska UST	10	UST-055
TestAmerica West Sacramento	Arizona	State Program	9	AZ0708
TestAmerica West Sacramento	Arkansas	State Program	6	88-0691
TestAmerica West Sacramento	Colorado	State Program	8	N/A
TestAmerica West Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica West Sacramento	Florida	NELAC	4	E87570
TestAmerica West Sacramento	Georgia	State Program	4	960
TestAmerica West Sacramento	Guam	State Program	9	N/A
TestAmerica West Sacramento	Hawaii	State Program	9	N/A
TestAmerica West Sacramento	Illinois	NELAC	5	200060
TestAmerica West Sacramento	Kansas	NELAC	7	E-10375
TestAmerica West Sacramento	Louisiana	NELAC	6	30612
TestAmerica West Sacramento	Michigan	State Program	5	9947
TestAmerica West Sacramento	Nevada	State Program	9	CA44
TestAmerica West Sacramento	New Jersey	NELAC	2	CA005
TestAmerica West Sacramento	New Mexico	State Program	6	N/A
TestAmerica West Sacramento	New York	NELAC	2	11666
TestAmerica West Sacramento	Oregon	NELAC	10	CA200005
TestAmerica West Sacramento	Pennsylvania	NELAC	3	68-01272
TestAmerica West Sacramento	South Carolina	State Program	4	87014
TestAmerica West Sacramento	Texas	NELAC	6	T104704399-08-TX
TestAmerica West Sacramento	US Fish & Wildlife	US Fish & Wildlife		LE148388-0
TestAmerica West Sacramento	USDA	USDA		P330-09-00055
TestAmerica West Sacramento	Utah	NELAC	8	QUAN1
TestAmerica West Sacramento	Virginia	State Program	3	178
TestAmerica West Sacramento	Washington	State Program	10	C581
TestAmerica West Sacramento	West Virginia	West Virginia DEP	3	334
TestAmerica West Sacramento	West Virginia	West Virginia DHHR (DW)	3	9930C
TestAmerica West Sacramento	Wisconsin	State Program	5	998204680
TestAmerica West Sacramento	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1J180483

Method	Method Description	Protocol	Laboratory
D 2216-90	Moisture, Percent (D2216-90) - AFCEE	ASTM	TAL WSC
WS-WC-0050	Nitrocellulose as N by WS-WC-0050	TAL-SOP	TAL WSC

Protocol References:

ASTM = ASTM International

TAL-SOP = TAL-SOP

Laboratory References:

TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



Sample Summary

Client: Barr Engineering Company

TestAmerica Job ID: G1J180483

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
G1J180483001	GC-SS12	Solid	10/13/11 09:20	10/18/11 09:30
G1J180483002	GC-SS13	Solid	10/13/11 09:35	10/18/11 09:30
G1J180483003	GC-SS14	Solid	10/13/11 10:00	10/18/11 09:30
G1J180483004	U-238B	Solid	10/13/11 10:30	10/18/11 09:30

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Project Number: 2319-1092 48RI 820

Project Name: Umore East - RI

Sample Origination State MN (use two letter postal state abbreviation)

COC Number: **No 37400**

Number of Containers/Preservative												COC <u>1</u> of <u>1</u>	
Water						Soil						Total Number Of Containers	Project Manager: <u>JME</u>
VOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)		Project QC Contact: <u>AAN</u>
													Sampled by: <u>ADD/AKB</u>
													Laboratory: <u>Test America</u>

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type			VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Nihocelbase	Total Number Of Containers		
						Water	Soil	Grab	Comp.	QC																	
1. GC-SS12	.5	.5	ft	10/13/2011	9:20	X		X															X		1	Analyse for nihocelbase	
2. GC-SS13	.5	.5	ft	10/13/2011	9:35	X		X															X		1	↓	
3. GC-SS14	.5	.5	ft	10/13/2011	10:00	X		X															X		1	↓	
4. 1-238B	-	-	-	10/13/2011	10:30	X		X															X		1	↓	
5.																											
6.																											
7.																											
8.																											
9.																											
10.																											

Common Parameter/Container - Preservation Key
 1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, DS, TS, Sulfate
 4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <u>[Signature]</u>	On Ice? <input checked="" type="radio"/> Y <input type="radio"/> N	Date <u>10/18/11</u>	Time	Received by: <u>Pete Hamler</u>	Date <u>10/17/11</u>	Time <u>1000</u>
Relinquished By: <u>Pete Hamler</u>	On Ice? <input checked="" type="radio"/> Y <input type="radio"/> N	Date <u>10/17/11</u>	Time <u>1630</u>	Received by: <u>Sam Hill</u>	Date <u>10/18/11</u>	Time <u>1110</u>
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other: _____				Air Bill Number:		

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H:\RLG\STDFORMS\Chain Of Custody Form 2009 RLG Rev. 09/01/09



THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT BARR PM KS LOG # 73414
 LOT# (QUANTIMS ID) 61J180483 QUOTE# 83148 LOCATION W4D
 DATE RECEIVED 10/18/11 TIME RECEIVED 0930 Checked (✓)
 DELIVERED BY FEDEX ON TRAC OTHER
 GOLDENSTATE UPS EZ PARCEL
 TAL COURIER TAL SF CLIENT
 SHIPPING CONTAINER(S) TAL CLIENT N/A
 CUSTODY SEAL STATUS INTACT BROKEN N/A
 CUSTODY SEAL #(S) N/A
 COC #(S) 1 of 1
 TEMPERATURE BLANK Observed: N/A Corrected: N/A
 SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)
 Observed: 5, 6, 6 Average 6 Corrected Average 6
 LABORATORY THERMOMETER ID:
 IR UNIT: #4 #5 OTHER

JS 10/18/11
Initials Date

PH MEASURED YES ANOMALY N/A
 LABELED BY..... NB
 LABELS CHECKED BY..... JS
 PEER REVIEW NA
 SHORT HOLD TEST NOTIFICATION SAMPLE RECEIVING
 WETCHEM N/A
 VOA-ENCORES N/A
 METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL N/A
 COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH N/A
 APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES
 CLOUSEAU TEMPERATURE EXCEEDED (2 °C - 6 °C)¹ N/A
 WET ICE BLUE ICE GEL PACK NO COOLING AGENTS USED PM NOTIFIED

JS 10/18/11
Initials Date

Notes _____

¹ Acceptable temperature range for State of Wisconsin samples is ≤4°C.



Lot ID: BJ150483

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
CGJ																				
500CGJ																				
250CGJ																				
125CGJ	FPL 10/18/11																			
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
CAD Trap																				
Iploc																				

= hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's



8508
1018

A **362**

ORIGIN ID: BBBA (952) 832-2600
PETE LAWLESS
BARR ENGINEERING CO
7390 OHMS LANE

SHIP DATE: 17OCT11
ACTWGT: 9.6 LB
CAD: 687918/CAFE2473

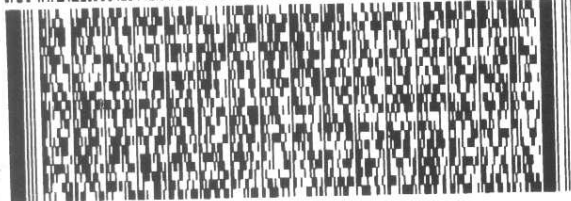
EDINA, MN 55439
UNITED STATES US

BILL SENDER

TO: **SAMPLE RECEIVING
TEST AMERICA
880 RIVERSIDE PARKWAY**

WEST SACRAMENTO CA 95605

(916) 373-5600
REF: 2319109248RI820



FedEx
Express



REL#
3785346

J10101009810124

TRK# 5094 0929 8508
0201

**TUE - 18 OCT A1
PRIORITY OVERNIGHT**

XH BLUA

**95605
CA-US
SMF**

Part # 156146-434 RIT2 04/10



505C1/R013/DR47