

UNIVERSITY OF MINNESOTA

Twin Cities Campus

*Environmental Health and Safety
Office of Vice President for University
Services*

*W-140 Boynton Health Service
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Minneapolis, MN 55455*

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May 11, 2010

Mr. Gary Krueger
Superfund Program
Minnesota Pollution Control Agency
520 Lafayette Road
St. Paul, MN 55155-4194

**RE: Preliminary Subsurface Investigation, Ancillary Use Facility, UMore Mining Area,
Dakota County, Minnesota**

Dear Mr. Krueger:

Attached please find the Technical Memorandum summarizing the Preliminary Subsurface Investigation (PSI) of the Ancillary Use Facility (AUF) located at the University of Minnesota Outreach, Research, and Education Park (UMore Park).

We appreciate your assistance with this investigation. Please contact me at 612-626-7095 if you have any questions or comments.

Sincerely,



Janet Dalgleish
Environmental Affairs Planner

C: Jim Aiken, Barr Engineering Company
Rick Kubler, Gray Plant Mooty
Steven Lott, University of MN
Dave Scheer, MPCA
Dave Swenson, Dakota County



Barr Engineering Company
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Technical Memorandum

To: Steven Lott and Janet Dalglish, University of Minnesota
From: Jim Aiken
Subject: Preliminary Subsurface Investigation Results,
Ancillary Use Facility (AUF), UMore Mining Area, Dakota County, MN
Date: May 10, 2010
Project: 23190B05.07
c: File

This Technical Memorandum provides a summary of the Preliminary Subsurface Investigation (PSI) that was conducted at the Ancillary Use Facility (AUF) located at UMore Park. The location of the AUF is shown on Figure 1. The PSI scope and field methods were described in the April 5, 2010, Preliminary Subsurface Investigation Scope letter to the MPCA from the University of Minnesota (Work Plan). The results of the PSI are summarized below:

- The PSI was conducted on April 8 and 9, 2010. Test trenching was conducted by Stevens Drilling and Environmental. Barr Engineering Co. staff documented the test trenching work, subsurface conditions, and collected soil samples for field screening and laboratory analysis.
- Nineteen test trenches were excavated in six areas of potential concern previously identified in the AUF (see Work Plan). Table 1 summarizes the location, ground surface elevation, excavation depth, and maximum headspace readings measured for each test trench. Test trench locations are shown on Figure 2. Copies of the field observation logs prepared during the test trenching and selected representative photographs are attached to this memorandum. Pertinent field observations are:
 - Typical soil profiles observed in the AUF test trenches included black topsoil, dark brown silt, and brown sand. Reworked/re-deposited silt and sand were observed in test trenches AUF-TT1, TT2, TT9, TT10, TT11, TT17, TT18, and TT19.
 - There was no indication of a release of hazardous substances or petroleum products identified in the field. No elevated headspace readings, odors, or staining were observed at any of the test trench locations.

Technical Memorandum

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Page: 2

- Pieces of concrete up to 2 feet in diameter were present in test trenches AUF- TT7, TT10, and TT11.

- Soil samples were collected at nine test trench locations and submitted for laboratory analysis. One duplicate soil sample was collected for quality assurance/quality control purposes. Sample collection and laboratory analytical methods were consistent with the Sampling and Analysis Plan, Supplemental Site Inspection (SOC 4) and Remedial Investigation (SOC 5), UMore Mining Area, Dakota County, Minnesota (dated August 21, 2009). Table 2 provides a summary of the sample collection and analysis program.

- No analytes were detected above Tier I Soil Reference Values (SRVs) or Soil Leaching Values (SLVs). Soil data are included in the attached laboratory report and are summarized below:
 - Semi-volatile organic compounds (SVOCs) and mercury were not detected in any of the samples.
 - Arsenic was detected at concentrations ranging from 2.8 to 6.7 milligrams per kilogram (mg/kg). The Tier I SRV and SLV for arsenic are 9 and 15.1 mg/kg, respectively.
 - Lead was detected at concentrations ranging from 3.1 to 11 mg/kg. The Tier I SRV and SLV for lead are 300 and 525 mg/kg, respectively.

Summary

There was no evidence of a release of a hazardous substances or petroleum products or the presence of dump materials identified during the PSI. Minor amounts of concrete were encountered in the Gopher Ordnance Work (GOW) Era Storage Area on the eastern side of the AUF and in the area identified by Dakota County as the AES Akron Ave West Dump (Figure 2).

Table 1
Investigation Location Summary
Preliminary Subsurface Investigation
Ancillary Use Facility
UMore Mining Area
Dakota County, Minnesota

Location Number	Coordinates ¹		Elevation ² feet MSL	Depth feet bgs	Soil Sample Collected	Maximum Soil Vapor Headspace (ppm) ³	Comment
	Northing meters	Easting meters					
AUF-TT1	4951794.5	492562.9	943	8	X X	<1	Two samples collected at this location
AUF-TT2	4951711.0	492634.8	944	10	X	<1	
AUF-TT3	4951634.9	492633.7	947	8		<1	
AUF-TT4	4952174.5	492631.1	945	5		<1	
AUF-TT5	4952086.5	492585.0	946	5		<1	
AUF-TT6	4952177.0	493163.0	943	6		<1	
AUF-TT7	4952044.6	493148.1	942	5	X	<1	
AUF-TT8	4951978.1	493125.4	939	6		<1	
AUF-TT9	4951851.3	493120.2	934	5	X X	<1	Two samples collected at this location
AUF-TT10	4951758.6	492776.1	939	12		<1	
AUF-TT11	4951756.1	492837.4	942	12	X	<1	
AUF-TT12	4951794.5	492871.3	941	12		<1	
AUF-TT13	4951636.7	492948.8	940	4		<1	
AUF-TT14	4951854.3	492923.8	940	7		<1	
AUF-TT15	4951853.5	492981.3	939	5		<1	
AUF-TT16	4951627.1	492820.0	947	5		<1	
AUF-TT17	4951792.5	492934.4	939	12	X	<1	
AUF-TT18	4951756.8	492862.0	942	10		<1	
AUF-TT19	4951733.9	492813.2	943	9	X	<1	

Notes:

¹ Northing and easting measured relative to Universal Transverse Mercator (UTM) Coordinates in meters (horizontal datum NAD 83(1996))

² Vertical elevations estimated from Dakota County LIDAR Data and reported relative to MSL in U.S. feet (vertical datum NAVD 88)

³ Headspace not measured above background in any of the test trenches.

Blank indicates no sample collected

bgs = below ground surface

MSL = mean sea level

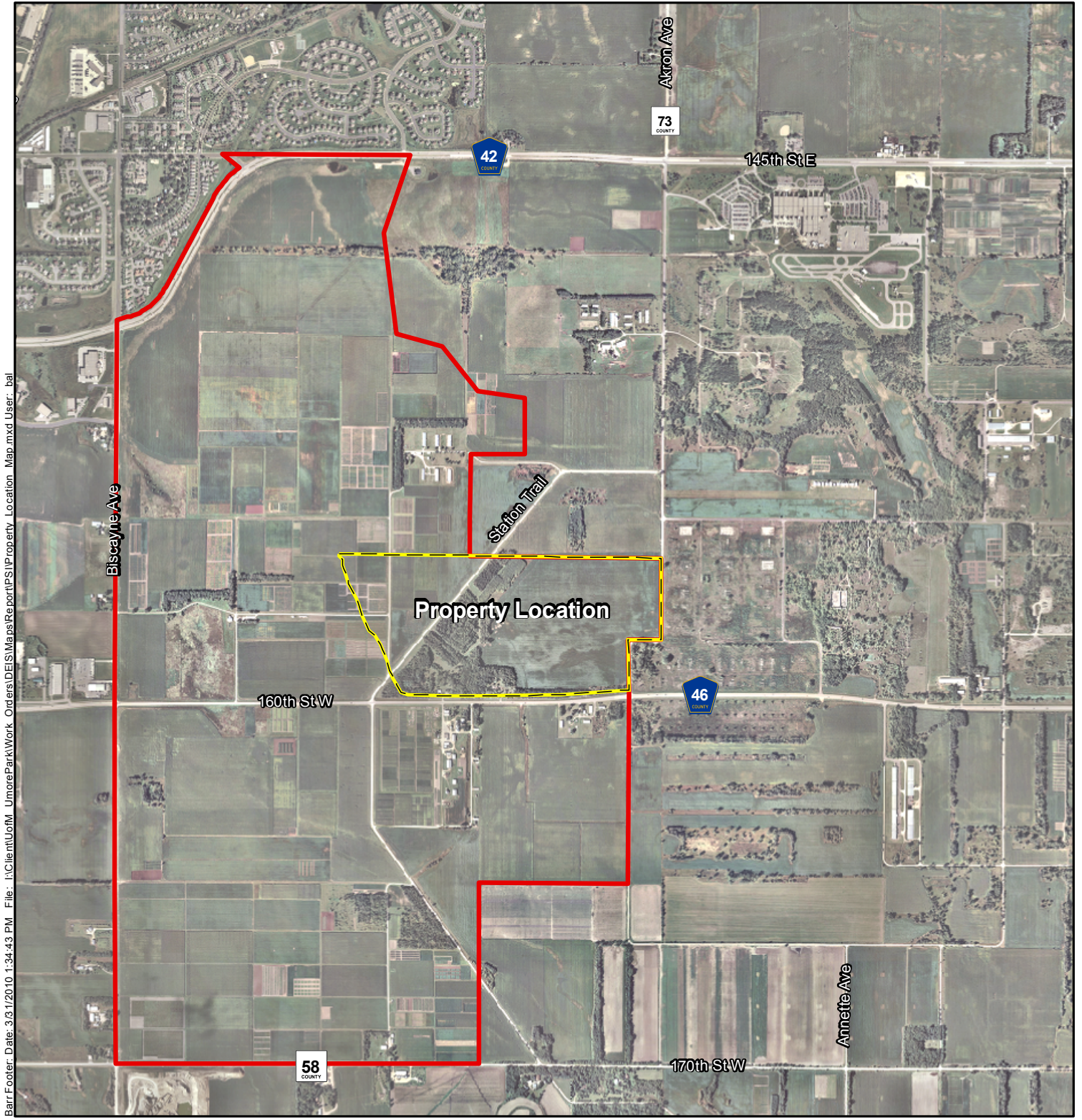
ppm = parts per million

Table 2
Sample Collection and Analysis Summary
Preliminary Subsurface Investigation
Ancillary Use Facility
UMore Mining Area
Dakota County, Minnesota

Sample Name	Sample Date	Analytes and Method #			
		SVOCs (8270)	Arsenic (6010)	Lead (6010)	Mercury (7471)
AUF-TT1-2-2.5	4/8/2010	x	x	x	x
AUF-TT1-3-4	4/9/2010	x	x	x	x
AUF-TT2-3-4	4/9/2010	x	x	x	x
AUF-TT7-0.5	4/9/2010	x	x	x	x
AUF-TT9-0.5-1	4/9/2010	x	x	x	x
AUF-TT9-1.5-2	4/9/2010	x	x	x	x
AUF-TT11-8	4/8/2010	x	x	x	x
AUF-TT17-3-4	4/9/2010	x	x	x	x
AUF-TT19-3.5-4	4/9/2010	x	x	x	x

Notes:

SVOCs - Semi-volatile organic compounds



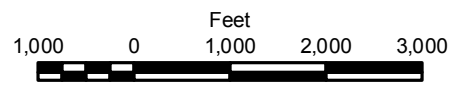
Barr Footer: Date: 3/31/2010 1:34:43 PM File: I:\Client\UofM_UmorePark\Work Orders\DEIS\Maps\Report\PS\Property_Location_Map.mxd User: bal

Background: 2009 Aerials Express.

Figure 1

PROPERTY LOCATION MAP

- Ancillary Use Facility Boundary
- UMore Mining Area Boundary

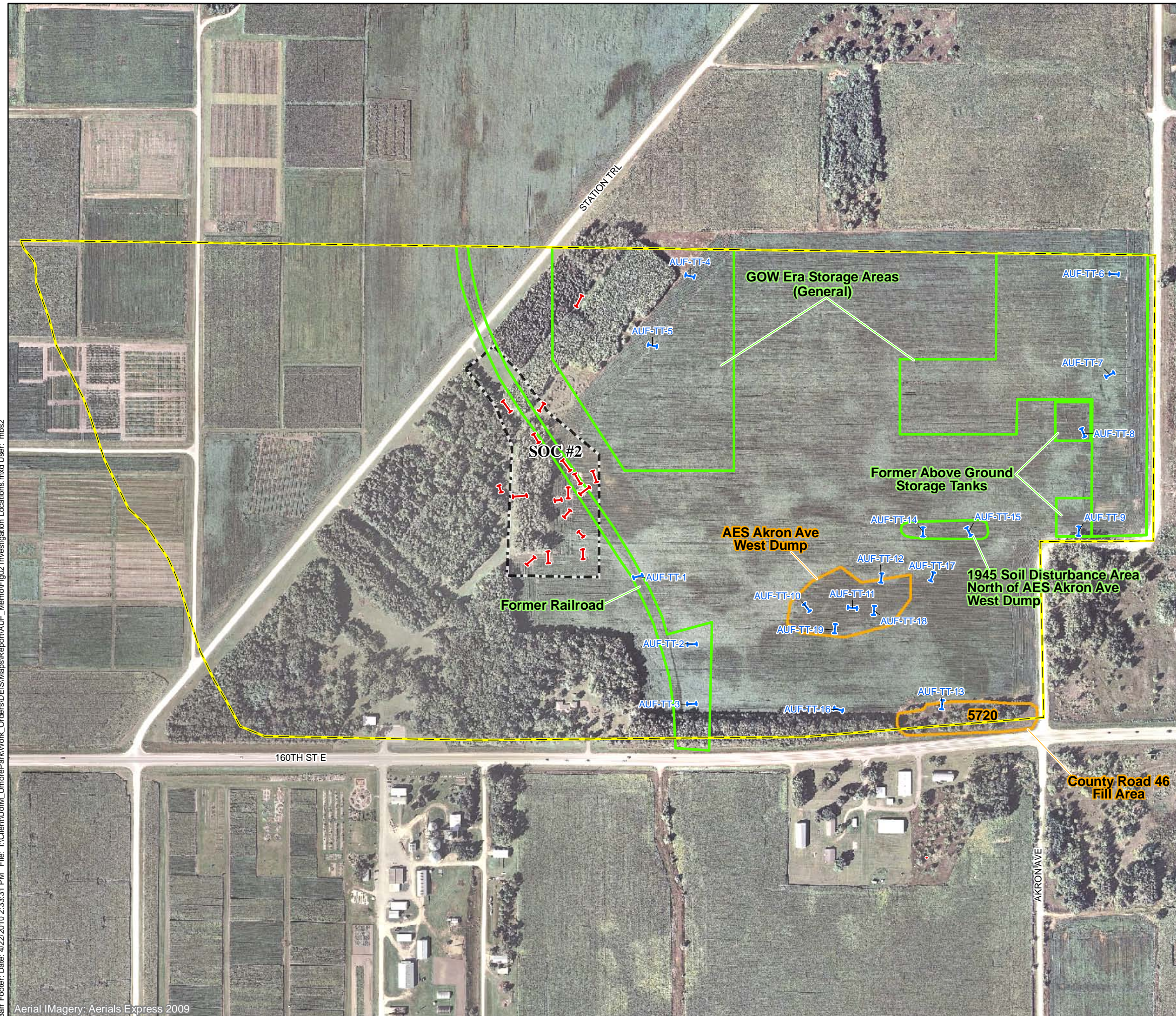


Ancillary Use Facility
 UMore Mining Area
 Preliminary Subsurface Investigation
 Dakota County, Minnesota



UMP009051

Barr Footer: Date: 4/22/2010 2:33:31 PM File: I:\Client\UoM\UmorePark\Work_Orders\DEIS\Maps\Report\AUF_Memo\Fig02 Investigation Locations.mxd User: mbs2



- Test Trench (June 2009)
- Test Trench (April 2010)
- Ancillary Use Facility Boundary
- Site of Concern Boundary (Investigated by Barr, 2009)
- Identified and Mapped by Dakota County
- Identified by Barr Engineering

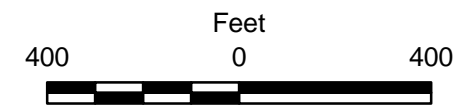


Figure 2

INVESTIGATION LOCATIONS

Ancillary Use Facility
 UMore Mining Area
 Preliminary Subsurface Investigation
 Dakota County, Minnesota

Photographs
AUF Preliminary Subsurface Investigation



Excavator in the AUF.



Typical soil profile in the AUF. Black topsoil, dark brown silt, and brown sand.

Photographs
AUF Preliminary Subsurface Investigation



Concrete clasts encountered in test trench AUF-TT11.

Location AUF

Date 4/2/10 21

Project / Client UMore - U of Mo

KCB

700 KCB + Jason (SDE) onsite
- held Pre-construction Safety meeting
- will start @ AUF - TT4-15

800 Begin test trenching

- PID lamp out, will have to bring samples back to OHS

1330 Spoke w/ JME

- At end of investigation, will go back to AUF-TT1 and further investigate RR area/till

- Move AUF-TT1/2 100' North per USA

- No samples unless impact observed

1715 KCB + SDE offsite

22 Location AUF Date 4/8/10
 Project / Client UMore

KCB

ID	o/d/s	PID
AUF-TT4A	n/n/n	0
AUF-TT4B	n/n/n	0
AUF-TT4SA	n/n	0
5B	n/n	0
1A	n/n	0
1B	n/n	0
* collected sample from 2-ZIS		
2A	n/n	0
2B	n/n	0
3A	n/n	0
3B	n/n	0

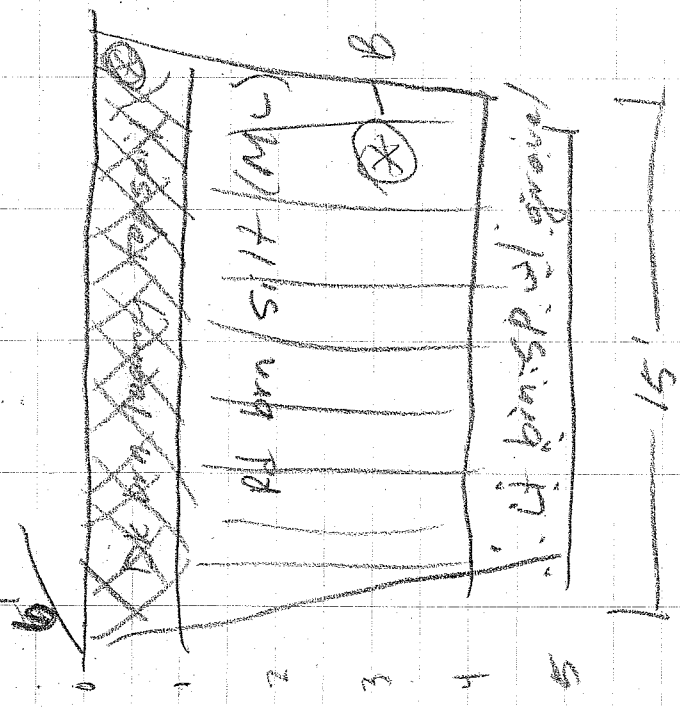
Location AUF Date 4/8/10
 Project / Client UMore

KCB

Begd	Debris	Description
0	0	Dk brn top soil
0	0	Rd brn ML
0	0	Yel Brn SP (s)
0	0	gravel
0	0	DK brn top soil
0	0	Yel brn ML
0	0	Grey brn top soil
0	0	tan/red, blocky
0	0	Grey brn top soil
0	0	Lt brn SATSP
0	0	Yel brn ML
0	0	Lt brn SP

24 Location AUF-TT4 Date 4/8/10
Project / Client UMore KCB

800 Start @ AUF-TT4A



Location AUF-TT4 Date 4/8/10 25
Project / Client KCB

AUF-TT4B

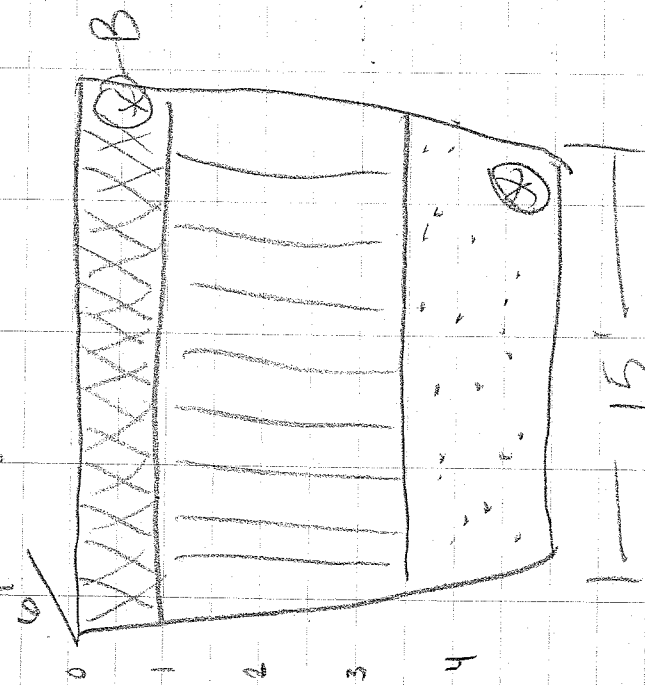
→ SAME

0930
0845 AUF-TT4 completed
and backfilled

Location AUF-TT5 Date 4/8/10

Project / Client U More KUB

835 Begin @ AUF-TT5A



Location AUF-TT5 Date 4/8/10 27

Project / Client U More KUB

AUF-TT5B

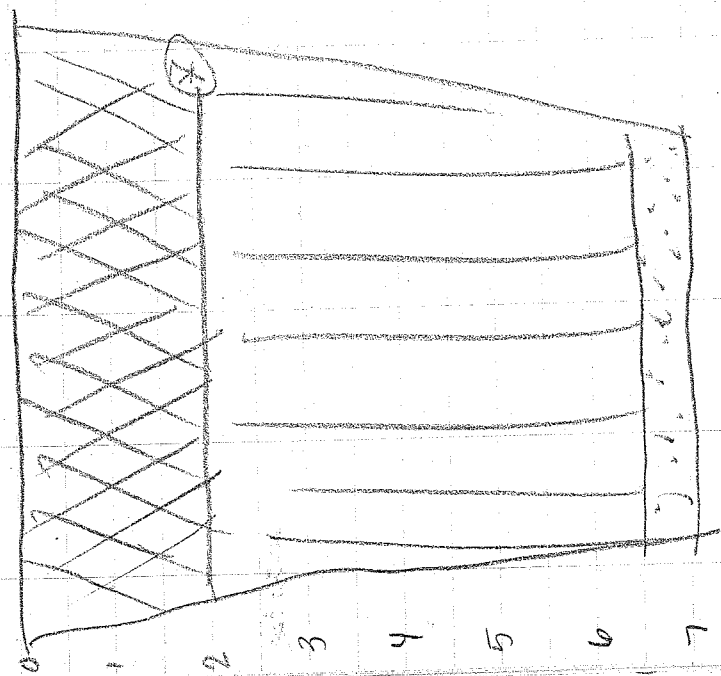
SAME

0915 AUF-TT5 Docket/led

Location ANF-TT1A Date 4/8/10

Project / Client KOB

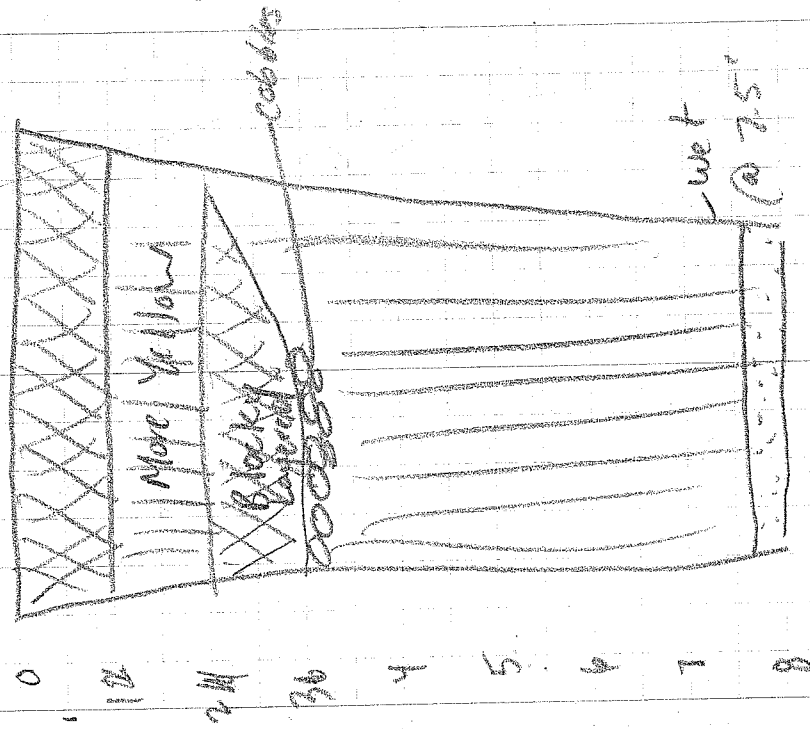
0920 Begin ANF-TT1A



Location ANF-TT1B Date 7/8/10

Project / Client UMC

ANF-TT1B

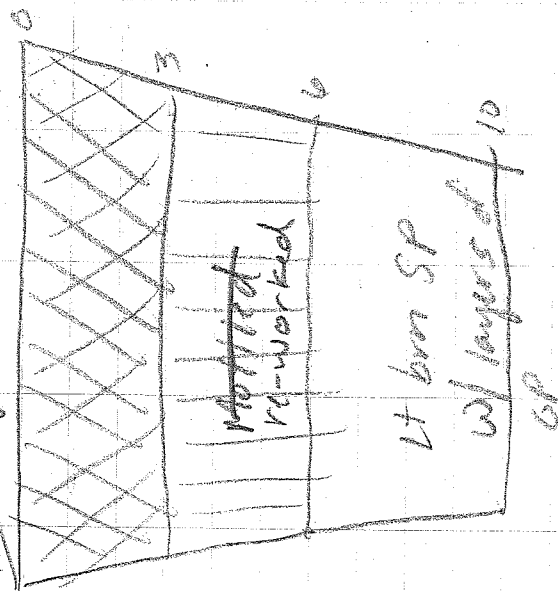


1000 Backfilled ANF-TT

Location ANF-TT 2 Date 4/8/10

Project / Client UMore KEB

1010 Begin ANF-TT 2 A

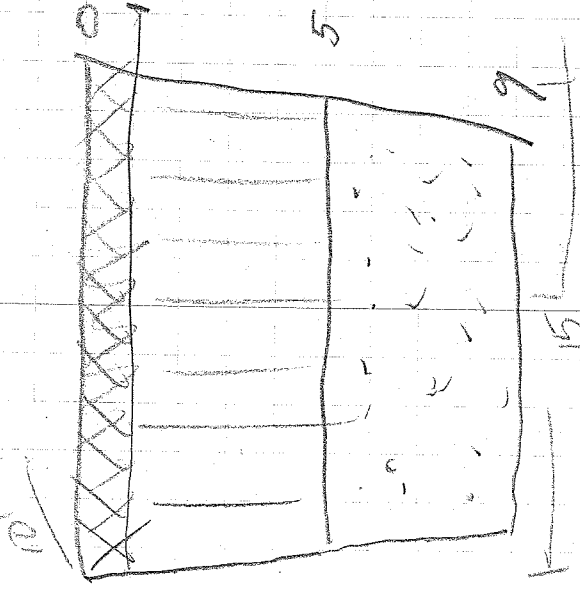


20'

Location ANF-TT 2 Date 4/8/10

Project / Client UMore KEB

ANF-TT 2 B



15'

1130 KEB to pick up new PID from UMore office

Jason backfills, stop for lunch

32

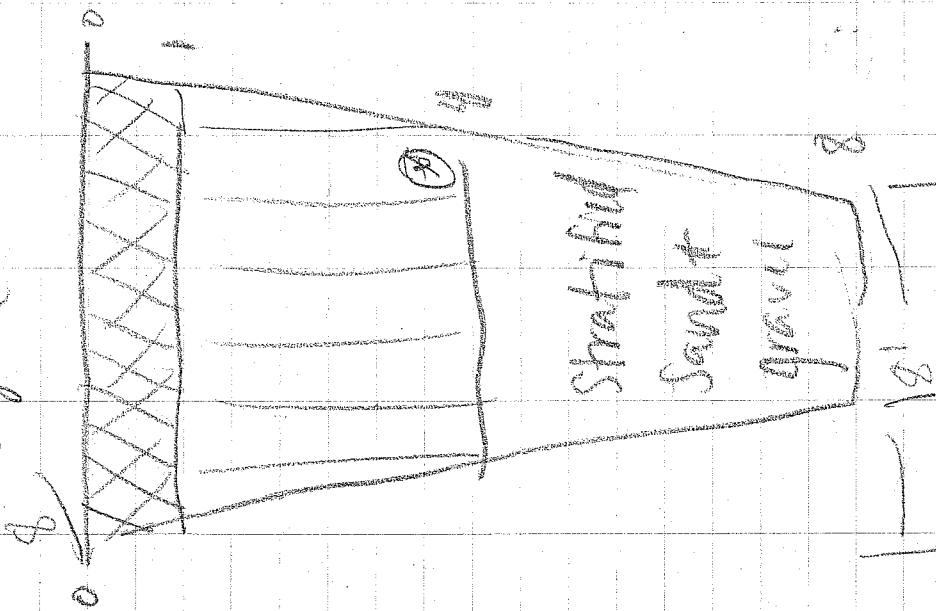
Location ANF-TT3

Date 4/8/10

Project / Client UMore

KCB

1215 Begin @ ANF-TT3A



Location ANF-TT3

Date 4/8/10

33

Project / Client UMore

KCB

ANF-TT3B

SAME

34

Location AUF-TT10

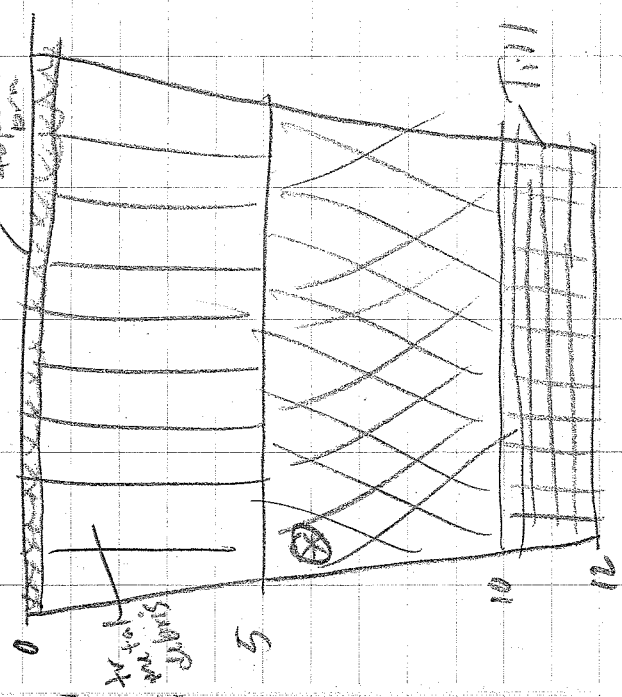
Date 4/8/10

Project / Client V More

REB

1315 Begin @ AUF-TT10

23" sandy topsoil med brn

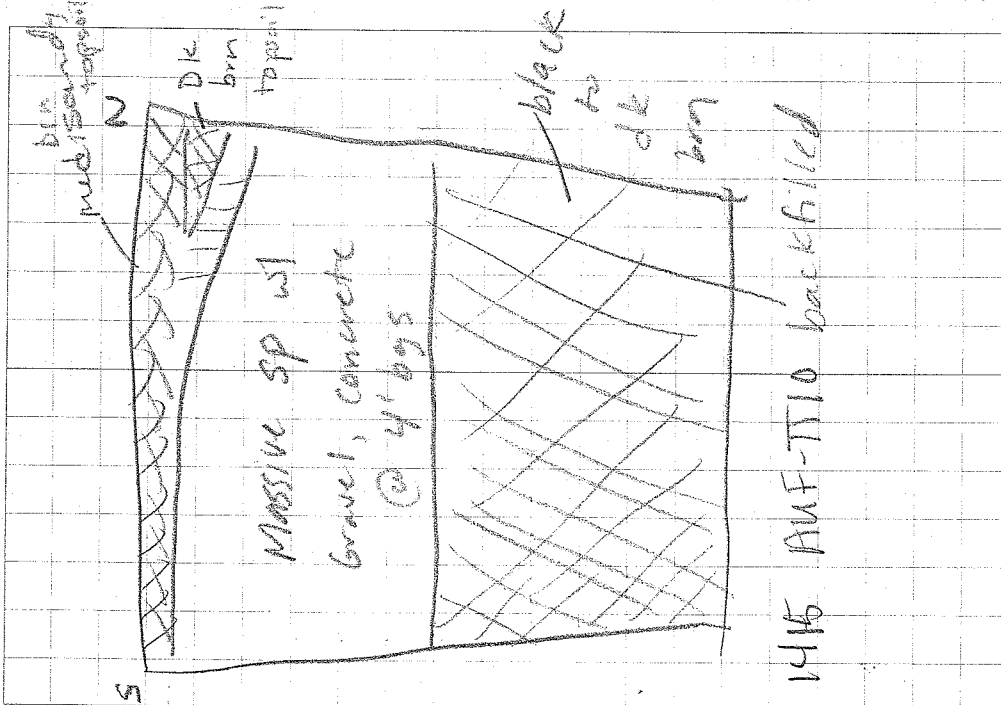


Location AUF-TT10

Date 4/8/10

Project / Client

REB



1415 AUF-TT10 backfilled

Location ANF

Date 4/6/10

Project / Client UMore

KCB

ID	of/dy	PID
ANF-TT10A	inst inst	0.2
ANF-TT10B	n/a	0.0
ANF-TT11A	n/a	0.0
ANF-TT11-B	n/a	
* Collected sample from		
ANF-TT12A	n/a	0.0
ANF-TT12B	n/a	0.0
ANF-TT14A	n/a	0.0
ANF-TT14B	n/a	0.0
ANF-TT15A	n/a	0.0
ANF-TT15B	n/a	0.0

Location ANF

Date 4/8/10

Project / Client

KCB

Bkgd	Debris	Description
0	0	DK brn topsoil, blacky
0	0	Lt brn SP ↓
0	0	DK brn topsoil
0	0	ANF-TT12B below concrete 1st brn ML
0	0	DK brn topsoil
0	0	Yel brn ML
0	0	Lt brn SP
0	0	DK brn Topsoil
0	0	Lt brn SP

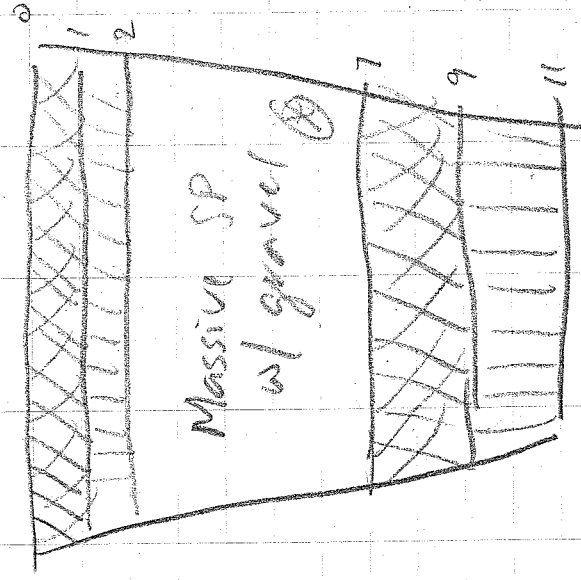
Location ANF-TT11

Date 4/8/10

Project / Client UNMO

KUB

1420 Begin ANF-TT11A



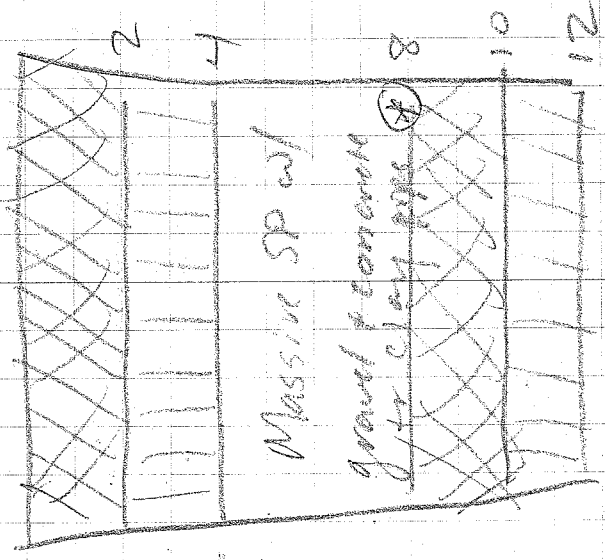
Location ANF-TT11

Date 4/8/10

Project / Client

KUB

ANF-TT11B

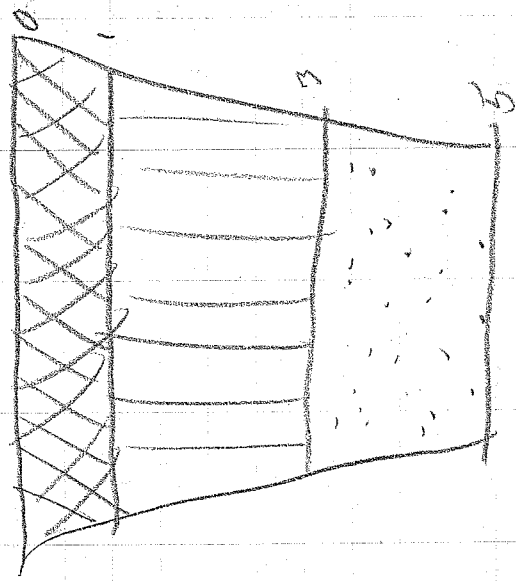


Location: AUF-TT12 Date: 4/6/10

Project / Client: UMore

KEB

171535 Begin AUF-TT12A



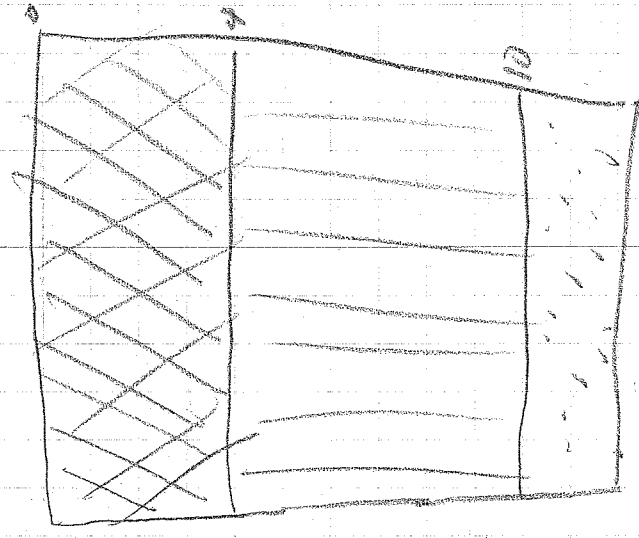
Location: AUF-TT12

Date: 4/6/10

Project / Client:

KEB

AUF-TT12B



42

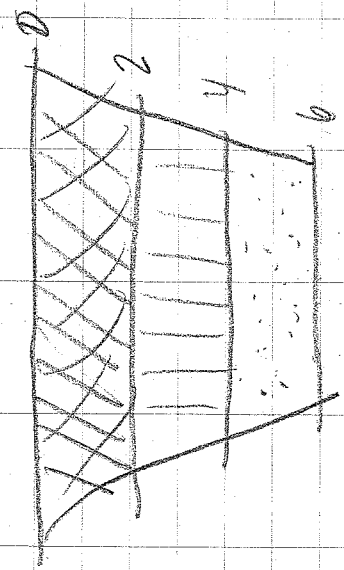
Location ANF-TT14

Date 4/8/10

Project / Client UMore

KCB

1410 Begin ANF-TT14A



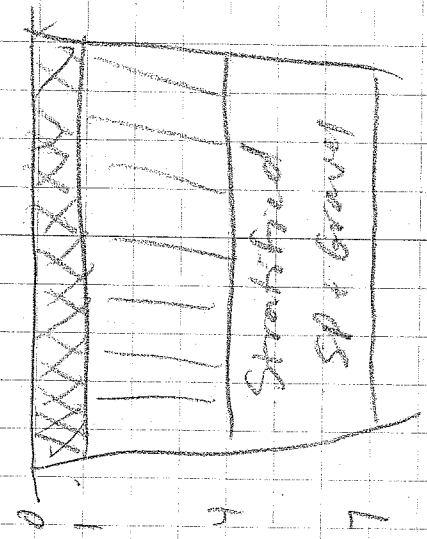
Location ANF-TT14

Date 4/8/10⁴³

Project / Client UMore

KCB

ANF-TT14B



1635 Backfilled ANF-TT14

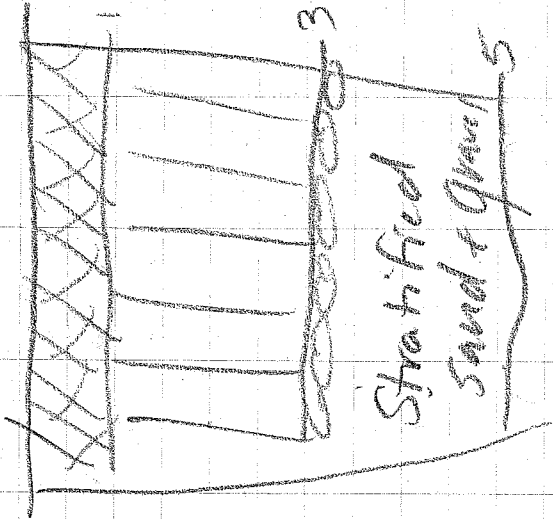
Location AUF-TT13

Date 4/8/10

Project / Client Univac

KCB

1635 Began AUF-TT15A



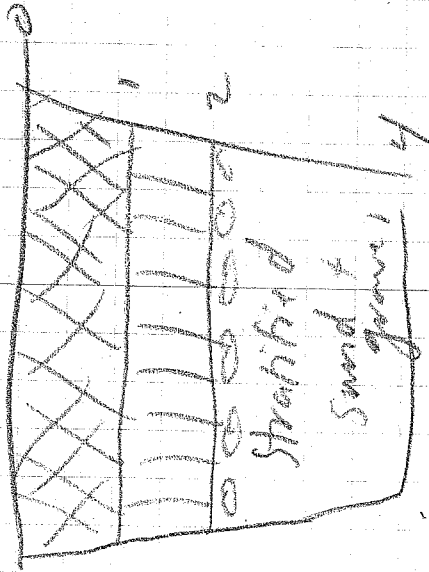
Location AUF-TT15

Date 4/8/10

Project / Client

KCB

AUF-TT15B



1700 Completed AUF-TT15

46

Location AmF

Date

4/9/10

Project / Client U of Mn

KCB

700 KCB + SDE onsite

- fuel up, move to AmF - TT6

- Safety meeting: T/S/F₂
Safety around excavator

745

830 Begin test trenching

930 JME called

- Two more samples from AES Dump (Add TT's)

- Two from RR

- One from disturbance area

1300 KCB + SDE offsite

Location AmF

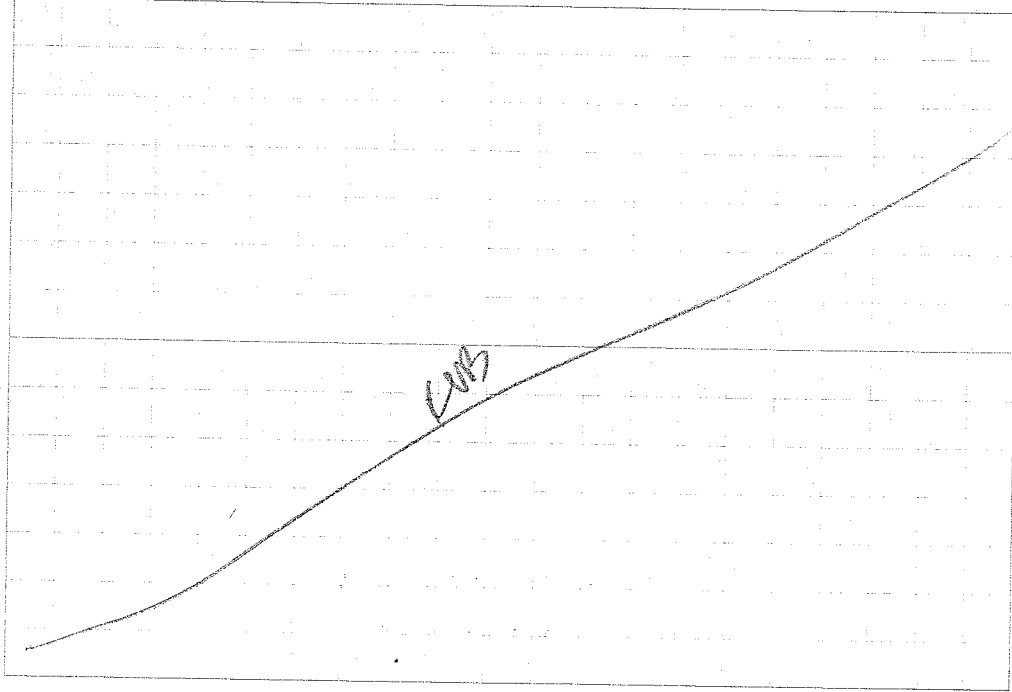
Date

4/9/10

47

Project / Client

KCB



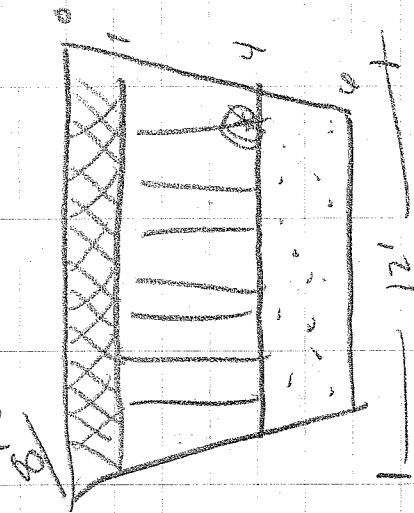
Location ANF-TT6

Date 4/9/10

Project / Client UMor

KB

745 Begin @ ANF-TT6A



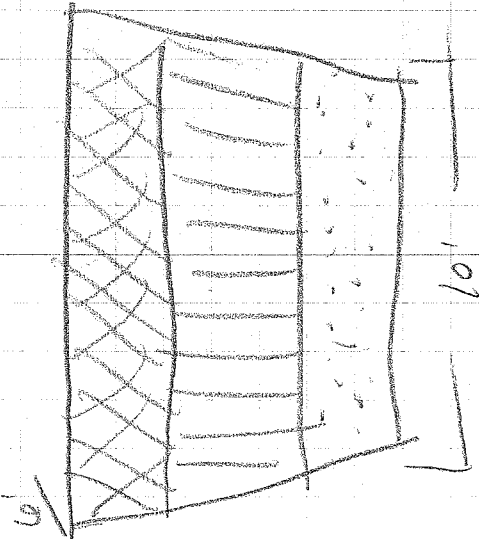
Location ANF-TT6

Date 4/9/10

Project / Client

KB

ANF-TT6B



Location AUF

Date 4/9/10

Project / Client UAMore

KEB

IDD	old	PIP
AUF-TT6A	n/n	0.0
AUF-TT6B	n/n	0.0
AUF-TT7A	n/n	0.0
AUF-TT7-0.5'	n/n	0.0
* Collected Sample from AUF-TT7B		
AUF-TT8A	n/n	0.0
AUF-TT8B	n/n	0.0
AUF-TT9-0.5-1	n/n	0.0
from AUF-TT9A		
AUF-TT9-1.5-2	n/n	0.0
from AUF-TT9B		
AUF-TT7-3-4'		0.0
AUF-TT8		0.0

Location AUF

Date 4/9/10

Project / Client KEB

KEB

Bkg d	Depth	Description
0.0	0	Yel brn ML
0.0	0	Dk brn loamy topsoil
0.0	0	Lt brn SP w/ gravel
0.0	0	Dk brn loamy topsoil
0.0	0	Lt brn SP
0.0	0	Yel brn ML
	0	Reworked Native
	0	SP (native)
		Reworked native
		SM 611

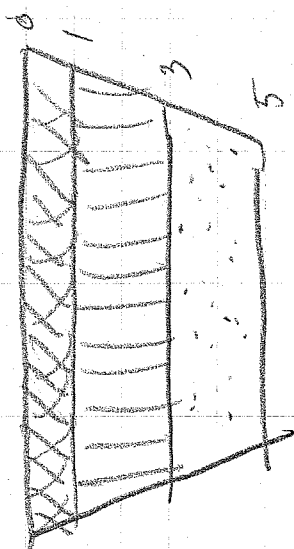
Location ANF-TT-7

Date 4/9/10

Project / Client UMare

KCB

30 begin @ ANF-TT-7A



x Concrete debris and
 rock similar to blast
 mat used in RR beds
 observed @ Surface

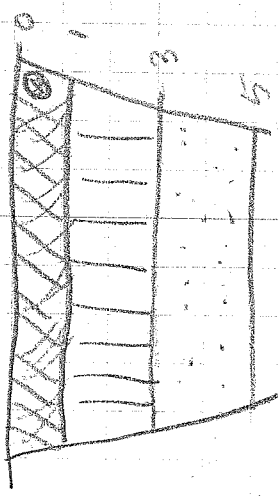
Location ANF-TT-7

Date 4/9/10

Project / Client KCB

KCB

ANF-TT-7B

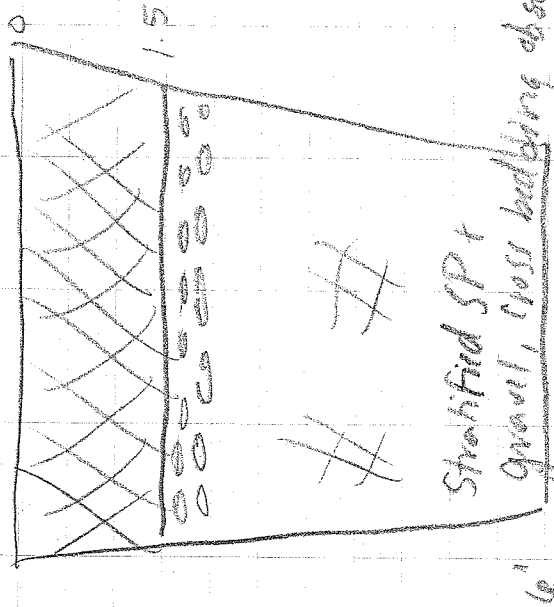


⊗ Collected sample to test
 surface concrete debris

Location: AUF-TT8 Date: 4/9/10

Project / Client: KUB

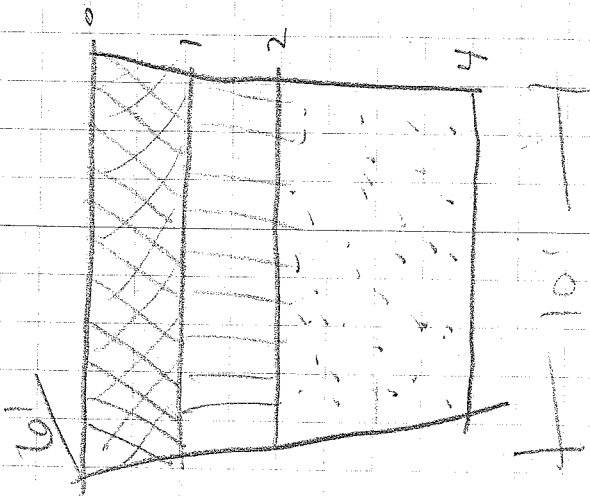
915 Begin @ AUF-TT8A



Location: AUF-TT8 Date: 4/9/10

Project / Client: KUB

AUF-TT8B



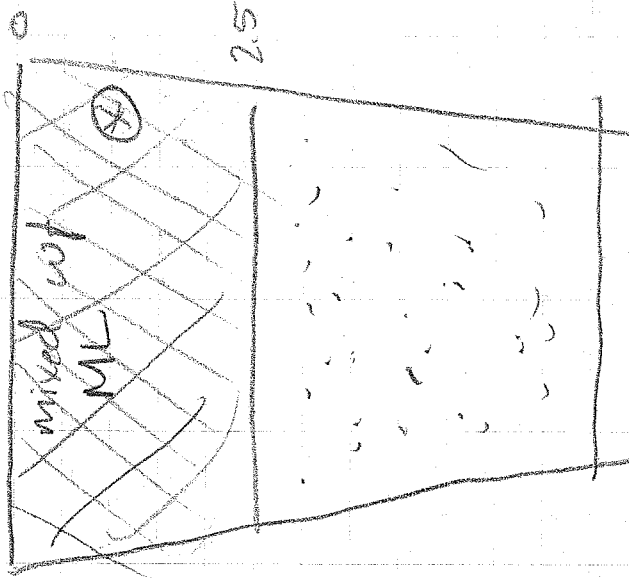
Location ANF-TT9

Date 4/9/10

Project / Client

KUB

0930 Begin @ ANF-TT9A



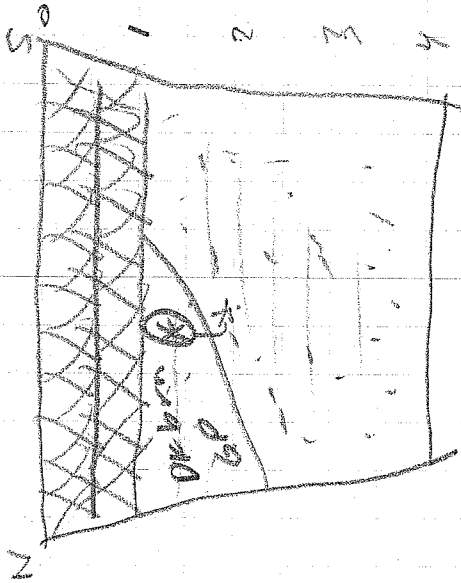
Location ANF-TT9

Date 4/9/10

Project / Client

KUB

ANF-TT9B



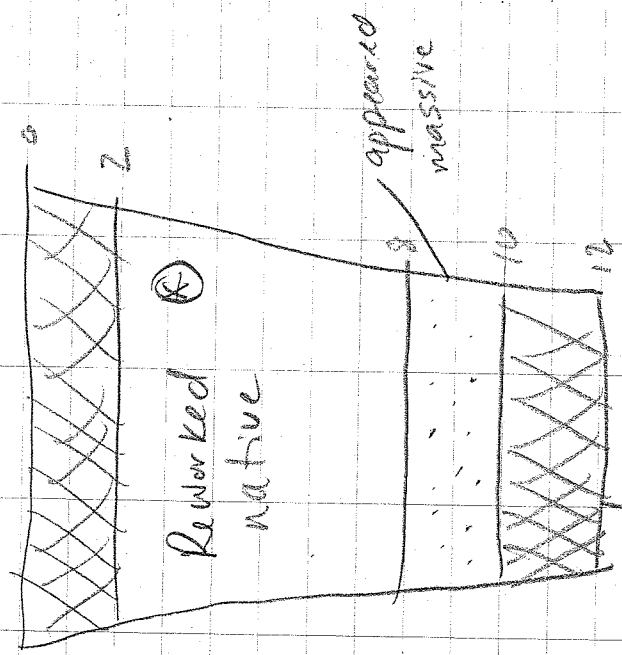
Location AUF-II 17

Date 4/9/10

Project / Client

KUB

10:30 Begin @ AUF-II 17
(Additional 1st trench @
AES Dump)



Operator said it was difficult to dig... till?

10:55 Backfill complete

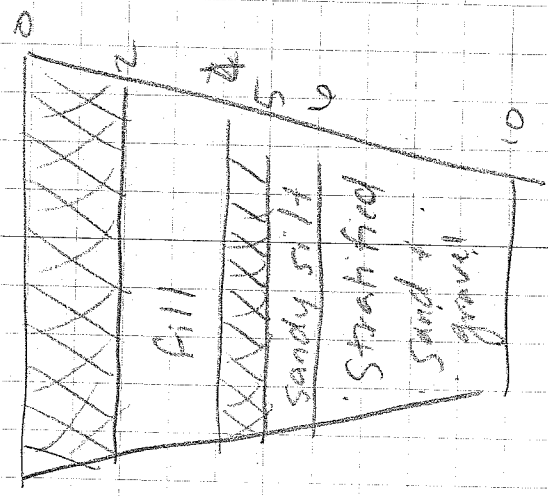
Location AUF-II 18

Date 4/9/10

Project / Client

KUB

11:00 Begin @ AUF-II 18
(Additional TT @ AES Dump)

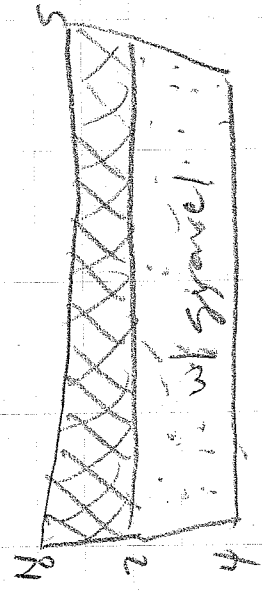


11:20 Backfill complete

Location ANF-TT13 Date 4/9/10

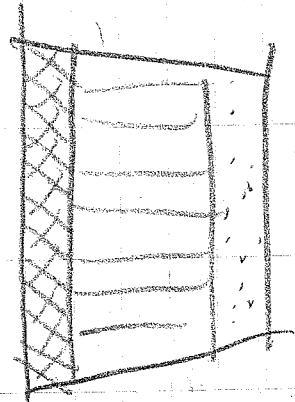
Project / Client KCB

1125 Begin @ ANF-TT13A



1135 Backfilled

1145 Begin @ ANF-TT16



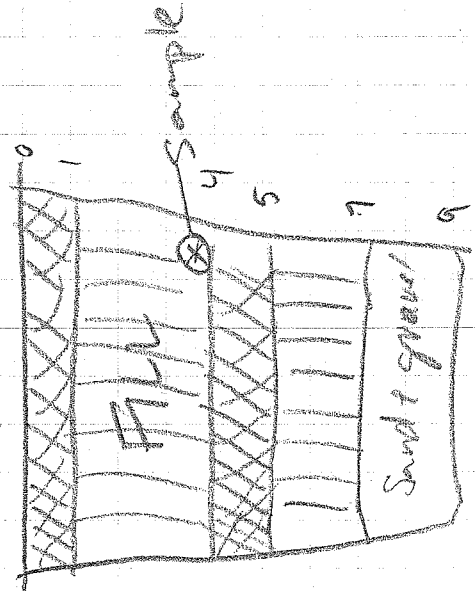
No evidence of petrol impacts

1155 Backfilled

Location ANF-TT13 Date 4/9/10

Project / Client KCB

1200 Begin ANF-TT19



62

Location AUF

Date 4/9/10

Project / Client KAB

ID	old	PID
AUF-TT13	n/n	0.0
AUF-TT4	n/n	0.0
	n/n	0.0
	n/n	0.0
AUF-TT19-3.5-4	n/n	0.0
AUF-TT2	n/n	0.0
* Sample of reworked native		
AUF-TT1	n/n	0.0
* Sample in RR bed fill below assumed		

Location AUF

Date 4/9/10

Project / Client KAB

Bldg	Description
0.0	Lt brn SP
0.0	Dk brn topsoil
0.0	↓
0.0	Lt brn SP w/ gravel
0.0	Re-worked native (topsoil/ML)
0.0	Yel brn ML



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

April 22, 2010

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

Work Order Number: 1001254
RE: 23190B05.07

Enclosed are the results of analyses for samples received by the laboratory on 04/09/10. If you have any questions concerning this report, please feel free to contact me.

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

MDH Certification #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

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

William Dahl
QA/QC Coordinator
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Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Nepl	Work Order #: 1001254 Date Reported: 04/22/10
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AUF-TT1_2-2.5	1001254-01	Soil	04/08/10 10:00	04/09/10 16:15
AUF-TT11_8-8	1001254-02	Soil	04/08/10 15:30	04/09/10 16:15
AUF-TT7_0.5-0.5	1001254-03	Soil	04/09/10 09:00	04/09/10 16:15
AUF-TT9_0.5-1	1001254-04	Soil	04/09/10 10:00	04/09/10 16:15
AUF-TT9_1.5-2	1001254-05	Soil	04/09/10 10:30	04/09/10 16:15
AUF-TT17_3-4	1001254-06	Soil	04/09/10 10:55	04/09/10 16:15
AUF-TT19_3.5-4	1001254-07	Soil	04/09/10 12:25	04/09/10 16:15
AUF-TT2_3-4	1001254-08	Soil	04/09/10 13:00	04/09/10 16:15
AUF-TT1_3-4	1001254-09	Soil	04/09/10 13:30	04/09/10 16:15
M-1	1001254-10	Soil	04/09/10 00:00	04/09/10 16:15

Shipping Container Information

Default Cooler Temperature (°C): 5.4

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

Case Narrative:

MN Certification does not apply to carbazole in the 8270C analysis.

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppi	Work Order #: 1001254 Date Reported: 04/22/10
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT1_2-2.5 (1001254-01) Soil Sampled: 04/08/10 10:00 Received: 04/09/10 16:15										
Arsenic	5.4	0.68	0.14	mg/kg dry	1	B0D1501	04/15/10	04/19/10	EPA 6010B	
Lead	9.5	1.4	0.046	mg/kg dry	1	"	"	"	"	
Mercury	<0.14	0.14	0.0057	mg/kg dry	1	B0D1206	04/15/10	04/16/10	EPA 7471A	
AUF-TT11_8-8 (1001254-02) Soil Sampled: 04/08/10 15:30 Received: 04/09/10 16:15										
Arsenic	5.6	0.67	0.13	mg/kg dry	1	B0D1501	04/15/10	04/19/10	EPA 6010B	
Lead	11	1.3	0.045	mg/kg dry	1	"	"	"	"	
Mercury	<0.13	0.13	0.0056	mg/kg dry	1	B0D1206	04/15/10	04/16/10	EPA 7471A	
AUF-TT7_0.5-0.5 (1001254-03) Soil Sampled: 04/09/10 09:00 Received: 04/09/10 16:15										
Arsenic	6.0	0.58	0.12	mg/kg dry	1	B0D1501	04/15/10	04/19/10	EPA 6010B	
Lead	16	1.2	0.039	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.0044	mg/kg dry	1	B0D1206	04/15/10	04/16/10	EPA 7471A	
AUF-TT9_0.5-1 (1001254-04) Soil Sampled: 04/09/10 10:00 Received: 04/09/10 16:15										
Arsenic	4.9	0.57	0.11	mg/kg dry	1	B0D1501	04/15/10	04/19/10	EPA 6010B	
Lead	6.3	1.1	0.039	mg/kg dry	1	"	"	"	"	
Mercury	<0.11	0.11	0.0045	mg/kg dry	1	B0D1206	04/15/10	04/16/10	EPA 7471A	
AUF-TT9_1.5-2 (1001254-05) Soil Sampled: 04/09/10 10:30 Received: 04/09/10 16:15										
Arsenic	2.8	0.54	0.11	mg/kg dry	1	B0D1501	04/15/10	04/19/10	EPA 6010B	
Lead	11	1.1	0.037	mg/kg dry	1	"	"	"	"	
Mercury	<0.097	0.097	0.0041	mg/kg dry	1	B0D1206	04/15/10	04/16/10	EPA 7471A	
AUF-TT17_3-4 (1001254-06) Soil Sampled: 04/09/10 10:55 Received: 04/09/10 16:15										
Arsenic	5.0	0.59	0.12	mg/kg dry	1	B0D1501	04/15/10	04/19/10	EPA 6010B	
Lead	7.6	1.2	0.040	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.0042	mg/kg dry	1	B0D1206	04/15/10	04/16/10	EPA 7471A	
AUF-TT19_3.5-4 (1001254-07) Soil Sampled: 04/09/10 12:25 Received: 04/09/10 16:15										
Arsenic	3.2	0.51	0.10	mg/kg dry	1	B0D1501	04/15/10	04/19/10	EPA 6010B	
Lead	3.8	1.0	0.035	mg/kg dry	1	"	"	"	"	
Mercury	<0.10	0.10	0.0043	mg/kg dry	1	B0D1206	04/15/10	04/16/10	EPA 7471A	
AUF-TT2_3-4 (1001254-08) Soil Sampled: 04/09/10 13:00 Received: 04/09/10 16:15										
Arsenic	5.0	0.59	0.12	mg/kg dry	1	B0D1501	04/15/10	04/19/10	EPA 6010B	
Lead	7.6	1.2	0.040	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.0049	mg/kg dry	1	B0D1206	04/15/10	04/16/10	EPA 7471A	
AUF-TT1_3-4 (1001254-09) Soil Sampled: 04/09/10 13:30 Received: 04/09/10 16:15										
Arsenic	6.7	0.59	0.12	mg/kg dry	1	B0D1501	04/15/10	04/19/10	EPA 6010B	
Lead	7.5	1.2	0.040	mg/kg dry	1	"	"	"	"	
Mercury	<0.12	0.12	0.0049	mg/kg dry	1	B0D1206	04/15/10	04/16/10	EPA 7471A	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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TOTAL METALS ANALYSIS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1001254-10) Soil Sampled: 04/09/10 00:00 Received: 04/09/10 16:15										
Arsenic	2.9	0.54	0.11	mg/kg dry	1	B0D1501	04/15/10	04/19/10	EPA 6010B	
Lead	3.1	1.1	0.037	mg/kg dry	1	"	"	"	"	
Mercury	<0.098	0.098	0.0041	mg/kg dry	1	B0D1206	04/15/10	04/16/10	EPA 7471A	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Nepl	Work Order #: 1001254 Date Reported: 04/22/10
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PERCENT SOLIDS
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT1_2-2.5 (1001254-01) Soil Sampled: 04/08/10 10:00 Received: 04/09/10 16:15										
% Solids	74			%	1	B0D1912	04/19/10	04/19/10	% calculation	
AUF-TT11_8-8 (1001254-02) Soil Sampled: 04/08/10 15:30 Received: 04/09/10 16:15										
% Solids	75			%	1	B0D1912	04/19/10	04/19/10	% calculation	
AUF-TT7_0.5-0.5 (1001254-03) Soil Sampled: 04/09/10 09:00 Received: 04/09/10 16:15										
% Solids	82			%	1	B0D1912	04/19/10	04/19/10	% calculation	
AUF-TT9_0.5-1 (1001254-04) Soil Sampled: 04/09/10 10:00 Received: 04/09/10 16:15										
% Solids	87			%	1	B0D1912	04/19/10	04/19/10	% calculation	
AUF-TT9_1.5-2 (1001254-05) Soil Sampled: 04/09/10 10:30 Received: 04/09/10 16:15										
% Solids	93			%	1	B0D1912	04/19/10	04/19/10	% calculation	
AUF-TT17_3-4 (1001254-06) Soil Sampled: 04/09/10 10:55 Received: 04/09/10 16:15										
% Solids	85			%	1	B0D1912	04/19/10	04/19/10	% calculation	
AUF-TT19_3.5-4 (1001254-07) Soil Sampled: 04/09/10 12:25 Received: 04/09/10 16:15										
% Solids	92			%	1	B0D1912	04/19/10	04/19/10	% calculation	
AUF-TT2_3-4 (1001254-08) Soil Sampled: 04/09/10 13:00 Received: 04/09/10 16:15										
% Solids	85			%	1	B0D1912	04/19/10	04/19/10	% calculation	
AUF-TT1_3-4 (1001254-09) Soil Sampled: 04/09/10 13:30 Received: 04/09/10 16:15										
% Solids	85			%	1	B0D1912	04/19/10	04/19/10	% calculation	
M-1 (1001254-10) Soil Sampled: 04/09/10 00:00 Received: 04/09/10 16:15										
% Solids	93			%	1	B0D1912	04/19/10	04/19/10	% calculation	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT1_2-2.5 (1001254-01) Soil Sampled: 04/08/10 10:00 Received: 04/09/10 16:15										
1,2,4-Trichlorobenzene	<0.036	0.45	0.036	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
1,2-Dichlorobenzene	<0.034	0.45	0.034	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.027	0.45	0.027	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.45	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.45	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.051	0.91	0.051	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.032	0.91	0.032	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.047	0.91	0.047	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.047	0.91	0.047	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.12	0.91	0.12	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.078	0.91	0.078	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.028	0.45	0.028	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.058	0.91	0.058	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.026	0.45	0.026	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.026	0.45	0.026	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.051	0.91	0.051	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.038	0.45	0.038	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.047	0.91	0.047	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.027	0.45	0.027	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.049	0.91	0.049	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.91	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.53	2.2	0.53	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.10	0.91	0.10	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.023	0.45	0.023	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.054	0.91	0.054	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.15	0.91	0.15	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.031	0.45	0.031	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.031	0.45	0.031	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.13	0.91	0.13	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.038	0.45	0.038	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.031	0.45	0.031	mg/kg dry	1	"	"	"	"	
Aniline	<0.12	0.91	0.12	mg/kg dry	1	"	"	"	"	
Anthracene	<0.034	0.45	0.034	mg/kg dry	1	"	"	"	"	
Benzidine	<0.97	3.4	0.97	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.036	0.45	0.036	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.036	0.45	0.036	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.046	0.45	0.046	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.041	0.45	0.041	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Nepl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT1_2-2.5 (1001254-01) Soil Sampled: 04/08/10 10:00 Received: 04/09/10 16:15										
Benzo (k) fluoranthene	<0.042	0.45	0.042	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
Benzoic acid	<0.078	0.45	0.078	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.16	0.91	0.16	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.028	0.45	0.028	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.032	0.45	0.032	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.030	0.45	0.030	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.027	0.45	0.027	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.028	0.45	0.028	mg/kg dry	1	"	"	"	"	
Carbazole	<0.030	0.45	0.030	mg/kg dry	1	"	"	"	"	
Chrysene	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.046	0.45	0.046	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.026	0.45	0.026	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.020	0.45	0.020	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.024	0.45	0.024	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.050	0.45	0.050	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.034	0.45	0.034	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.032	0.45	0.032	mg/kg dry	1	"	"	"	"	
Fluorene	<0.024	0.45	0.024	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.022	0.45	0.022	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.045	0.45	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.055	0.45	0.055	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.038	0.45	0.038	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.45	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.023	0.45	0.023	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.45	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.041	0.45	0.041	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.043	0.45	0.043	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.034	0.45	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.024	0.45	0.024	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.13	0.91	0.13	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.026	0.45	0.026	mg/kg dry	1	"	"	"	"	
Phenol	<0.077	0.91	0.077	mg/kg dry	1	"	"	"	"	
Pyrene	<0.031	0.45	0.031	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	74.4			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.5			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	60.4			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	66.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	71.3			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.1			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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AUF-TT11_8-8 (1001254-02) Soil **Sampled: 04/08/10 15:30** **Received: 04/09/10 16:15**

1,2,4-Trichlorobenzene	<0.036	0.44	0.036	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
1,2-Dichlorobenzene	<0.033	0.44	0.033	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.027	0.44	0.027	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.031	0.44	0.031	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.032	0.44	0.032	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.051	0.89	0.051	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.032	0.89	0.032	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.047	0.89	0.047	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.047	0.89	0.047	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.12	0.89	0.12	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.077	0.89	0.077	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.028	0.44	0.028	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.057	0.89	0.057	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.025	0.44	0.025	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.025	0.44	0.025	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.051	0.89	0.051	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.037	0.44	0.037	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.047	0.89	0.047	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.027	0.44	0.027	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.048	0.89	0.048	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.036	0.89	0.036	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.52	2.1	0.52	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.099	0.89	0.099	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.023	0.44	0.023	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.053	0.89	0.053	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.15	0.89	0.15	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.031	0.44	0.031	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.031	0.44	0.031	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.13	0.89	0.13	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.037	0.44	0.037	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.031	0.44	0.031	mg/kg dry	1	"	"	"	"	
Aniline	<0.12	0.89	0.12	mg/kg dry	1	"	"	"	"	
Anthracene	<0.033	0.44	0.033	mg/kg dry	1	"	"	"	"	
Benzidine	<0.96	3.3	0.96	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.036	0.44	0.036	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.036	0.44	0.036	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.040	0.44	0.040	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT11_8-8 (1001254-02) Soil Sampled: 04/08/10 15:30 Received: 04/09/10 16:15										
Benzo (k) fluoranthene	<0.041	0.44	0.041	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
Benzoic acid	<0.077	0.44	0.077	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.16	0.89	0.16	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.028	0.44	0.028	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.032	0.44	0.032	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.029	0.44	0.029	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.027	0.44	0.027	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.028	0.44	0.028	mg/kg dry	1	"	"	"	"	
Carbazole	<0.029	0.44	0.029	mg/kg dry	1	"	"	"	"	
Chrysene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.045	0.44	0.045	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.025	0.44	0.025	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.020	0.44	0.020	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.024	0.44	0.024	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.049	0.44	0.049	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.033	0.44	0.033	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.032	0.44	0.032	mg/kg dry	1	"	"	"	"	
Fluorene	<0.024	0.44	0.024	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.021	0.44	0.021	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.044	0.44	0.044	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.055	0.44	0.055	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.037	0.44	0.037	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.043	0.44	0.043	mg/kg dry	1	"	"	"	"	
Isophorone	<0.023	0.44	0.023	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.039	0.44	0.039	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.040	0.44	0.040	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.043	0.44	0.043	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.033	0.44	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.024	0.44	0.024	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.13	0.89	0.13	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.025	0.44	0.025	mg/kg dry	1	"	"	"	"	
Phenol	<0.076	0.89	0.076	mg/kg dry	1	"	"	"	"	
Pyrene	<0.031	0.44	0.031	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	74.8			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.7			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.3			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.5			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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AUF-TT7_0.5-0.5 (1001254-03) Soil Sampled: 04/09/10 09:00 Received: 04/09/10 16:15

1,2,4-Trichlorobenzene	<0.033	0.40	0.033	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
1,2-Dichlorobenzene	<0.030	0.40	0.030	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.024	0.40	0.024	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.028	0.40	0.028	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.046	0.82	0.046	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.029	0.82	0.029	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.043	0.82	0.043	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.043	0.82	0.043	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.071	0.82	0.071	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.026	0.40	0.026	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.052	0.82	0.052	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.023	0.40	0.023	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.023	0.40	0.023	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.046	0.82	0.046	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.034	0.40	0.034	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.043	0.82	0.043	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.024	0.40	0.024	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.044	0.82	0.044	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.033	0.82	0.033	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.48	2.0	0.48	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.090	0.82	0.090	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.021	0.40	0.021	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.049	0.82	0.049	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.13	0.82	0.13	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.028	0.40	0.028	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.028	0.40	0.028	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.034	0.40	0.034	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.028	0.40	0.028	mg/kg dry	1	"	"	"	"	
Aniline	<0.11	0.82	0.11	mg/kg dry	1	"	"	"	"	
Anthracene	<0.030	0.40	0.030	mg/kg dry	1	"	"	"	"	
Benzidine	<0.88	3.0	0.88	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.033	0.40	0.033	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Nepl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT7_0.5-0.5 (1001254-03) Soil Sampled: 04/09/10 09:00 Received: 04/09/10 16:15										
Benzo (k) fluoranthene	<0.038	0.40	0.038	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
Benzoic acid	<0.071	0.40	0.071	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.15	0.82	0.15	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.026	0.40	0.026	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.024	0.40	0.024	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.026	0.40	0.026	mg/kg dry	1	"	"	"	"	
Carbazole	<0.027	0.40	0.027	mg/kg dry	1	"	"	"	"	
Chrysene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.041	0.40	0.041	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.023	0.40	0.023	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.018	0.40	0.018	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.022	0.40	0.022	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.045	0.40	0.045	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.030	0.40	0.030	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.029	0.40	0.029	mg/kg dry	1	"	"	"	"	
Fluorene	<0.022	0.40	0.022	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.020	0.40	0.020	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.040	0.40	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.050	0.40	0.050	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.034	0.40	0.034	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.039	0.40	0.039	mg/kg dry	1	"	"	"	"	
Isophorone	<0.021	0.40	0.021	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.035	0.40	0.035	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.037	0.40	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.039	0.40	0.039	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.030	0.40	0.030	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.022	0.40	0.022	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.12	0.82	0.12	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.023	0.40	0.023	mg/kg dry	1	"	"	"	"	
Phenol	<0.070	0.82	0.070	mg/kg dry	1	"	"	"	"	
Pyrene	<0.028	0.40	0.028	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	72.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	60.9			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	54.5			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	56.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	63.8			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.4			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT9_0.5-1 (1001254-04) Soil Sampled: 04/09/10 10:00 Received: 04/09/10 16:15										
1,2,4-Trichlorobenzene	<0.031	0.38	0.031	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
1,2-Dichlorobenzene	<0.029	0.38	0.029	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.023	0.38	0.023	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.044	0.77	0.044	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.028	0.77	0.028	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.040	0.77	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.040	0.77	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.10	0.77	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.067	0.77	0.067	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.024	0.38	0.024	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.049	0.77	0.049	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.022	0.38	0.022	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.022	0.38	0.022	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.044	0.77	0.044	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.032	0.38	0.032	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.040	0.77	0.040	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.023	0.38	0.023	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.041	0.77	0.041	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.031	0.77	0.031	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.45	1.8	0.45	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.085	0.77	0.085	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.020	0.38	0.020	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.046	0.77	0.046	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.13	0.77	0.13	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.032	0.38	0.032	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
Aniline	<0.10	0.77	0.10	mg/kg dry	1	"	"	"	"	
Anthracene	<0.029	0.38	0.029	mg/kg dry	1	"	"	"	"	
Benzidine	<0.83	2.9	0.83	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.031	0.38	0.031	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Nepl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT9_0.5-1 (1001254-04) Soil Sampled: 04/09/10 10:00 Received: 04/09/10 16:15										
Benzo (k) fluoranthene	<0.036	0.38	0.036	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
Benzoic acid	<0.067	0.38	0.067	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.14	0.77	0.14	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.024	0.38	0.024	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.023	0.38	0.023	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.024	0.38	0.024	mg/kg dry	1	"	"	"	"	
Carbazole	<0.025	0.38	0.025	mg/kg dry	1	"	"	"	"	
Chrysene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.039	0.38	0.039	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.022	0.38	0.022	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.017	0.38	0.017	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.021	0.38	0.021	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.043	0.38	0.043	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.029	0.38	0.029	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.028	0.38	0.028	mg/kg dry	1	"	"	"	"	
Fluorene	<0.021	0.38	0.021	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.018	0.38	0.018	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.038	0.38	0.038	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.047	0.38	0.047	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.032	0.38	0.032	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.037	0.38	0.037	mg/kg dry	1	"	"	"	"	
Isophorone	<0.020	0.38	0.020	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.033	0.38	0.033	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.034	0.38	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.037	0.38	0.037	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.029	0.38	0.029	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.021	0.38	0.021	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.11	0.77	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.022	0.38	0.022	mg/kg dry	1	"	"	"	"	
Phenol	<0.066	0.77	0.066	mg/kg dry	1	"	"	"	"	
Pyrene	<0.026	0.38	0.026	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	77.9			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	61.0			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.8			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT9_1.5-2 (1001254-05) Soil Sampled: 04/09/10 10:30 Received: 04/09/10 16:15										
1,2,4-Trichlorobenzene	<0.029	0.35	0.029	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
1,2-Dichlorobenzene	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.022	0.35	0.022	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.041	0.72	0.041	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.026	0.72	0.026	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.038	0.72	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.038	0.72	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.097	0.72	0.097	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.062	0.72	0.062	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.046	0.72	0.046	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.020	0.35	0.020	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.020	0.35	0.020	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.041	0.72	0.041	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.030	0.35	0.030	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.72	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.022	0.35	0.022	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.039	0.72	0.039	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.42	1.7	0.42	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.080	0.72	0.080	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.018	0.35	0.018	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.043	0.72	0.043	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.12	0.72	0.12	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.72	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.030	0.35	0.030	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Aniline	<0.097	0.72	0.097	mg/kg dry	1	"	"	"	"	
Anthracene	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Benzidine	<0.77	2.7	0.77	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Nepl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT9_1.5-2 (1001254-05) Soil Sampled: 04/09/10 10:30 Received: 04/09/10 16:15										
Benzo (k) fluoranthene	<0.033	0.35	0.033	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
Benzoic acid	<0.062	0.35	0.062	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.13	0.72	0.13	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.022	0.35	0.022	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
Carbazole	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
Chrysene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.020	0.35	0.020	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.016	0.35	0.016	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.019	0.35	0.019	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Fluorene	<0.019	0.35	0.019	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.017	0.35	0.017	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.35	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.034	0.35	0.034	mg/kg dry	1	"	"	"	"	
Isophorone	<0.018	0.35	0.018	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.034	0.35	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.019	0.35	0.019	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.020	0.35	0.020	mg/kg dry	1	"	"	"	"	
Phenol	<0.061	0.72	0.061	mg/kg dry	1	"	"	"	"	
Pyrene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	74.0			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	60.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	59.2			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	58.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	64.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	64.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT17_3-4 (1001254-06) Soil Sampled: 04/09/10 10:55 Received: 04/09/10 16:15										
1,2,4-Trichlorobenzene	<0.032	0.39	0.032	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
1,2-Dichlorobenzene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.024	0.39	0.024	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.045	0.79	0.045	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.028	0.79	0.028	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.041	0.79	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.041	0.79	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.068	0.79	0.068	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.025	0.39	0.025	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.051	0.79	0.051	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.045	0.79	0.045	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.79	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.024	0.39	0.024	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.042	0.79	0.042	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.46	1.9	0.46	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.087	0.79	0.087	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.020	0.39	0.020	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.047	0.79	0.047	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.13	0.79	0.13	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.79	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
Aniline	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Anthracene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzidine	<0.85	2.9	0.85	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT17_3-4 (1001254-06) Soil Sampled: 04/09/10 10:55 Received: 04/09/10 16:15										
Benzo (k) fluoranthene	<0.036	0.39	0.036	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
Benzoic acid	<0.068	0.39	0.068	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.14	0.79	0.14	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.025	0.39	0.025	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.024	0.39	0.024	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.025	0.39	0.025	mg/kg dry	1	"	"	"	"	
Carbazole	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
Chrysene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.018	0.39	0.018	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.021	0.39	0.021	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.39	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Fluorene	<0.021	0.39	0.021	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.019	0.39	0.019	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.038	0.39	0.038	mg/kg dry	1	"	"	"	"	
Isophorone	<0.020	0.39	0.020	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.038	0.39	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.021	0.39	0.021	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
Phenol	<0.067	0.79	0.067	mg/kg dry	1	"	"	"	"	
Pyrene	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	74.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	65.3			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	62.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	63.2			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	69.9			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	67.6			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT19_3.5-4 (1001254-07) Soil Sampled: 04/09/10 12:25 Received: 04/09/10 16:15										
1,2,4-Trichlorobenzene	<0.029	0.36	0.029	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
1,2-Dichlorobenzene	<0.027	0.36	0.027	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.022	0.36	0.022	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.025	0.36	0.025	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.041	0.73	0.041	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.026	0.73	0.026	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.038	0.73	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.038	0.73	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.098	0.73	0.098	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.063	0.73	0.063	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.023	0.36	0.023	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.047	0.73	0.047	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.021	0.36	0.021	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.021	0.36	0.021	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.041	0.73	0.041	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.73	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.022	0.36	0.022	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.039	0.73	0.039	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.029	0.73	0.029	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.42	1.7	0.42	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.080	0.73	0.080	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.018	0.36	0.018	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.043	0.73	0.043	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.12	0.73	0.12	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.025	0.36	0.025	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.025	0.36	0.025	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.73	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.025	0.36	0.025	mg/kg dry	1	"	"	"	"	
Aniline	<0.098	0.73	0.098	mg/kg dry	1	"	"	"	"	
Anthracene	<0.027	0.36	0.027	mg/kg dry	1	"	"	"	"	
Benzidine	<0.78	2.7	0.78	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.029	0.36	0.029	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Nepl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT19_3.5-4 (1001254-07) Soil Sampled: 04/09/10 12:25 Received: 04/09/10 16:15										
Benzo (k) fluoranthene	<0.034	0.36	0.034	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
Benzoic acid	<0.063	0.36	0.063	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.13	0.73	0.13	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.023	0.36	0.023	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.022	0.36	0.022	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.023	0.36	0.023	mg/kg dry	1	"	"	"	"	
Carbazole	<0.024	0.36	0.024	mg/kg dry	1	"	"	"	"	
Chrysene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.037	0.36	0.037	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.021	0.36	0.021	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.016	0.36	0.016	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.020	0.36	0.020	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.040	0.36	0.040	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.027	0.36	0.027	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.026	0.36	0.026	mg/kg dry	1	"	"	"	"	
Fluorene	<0.020	0.36	0.020	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.017	0.36	0.017	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.036	0.36	0.036	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.045	0.36	0.045	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.36	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.035	0.36	0.035	mg/kg dry	1	"	"	"	"	
Isophorone	<0.018	0.36	0.018	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.032	0.36	0.032	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.033	0.36	0.033	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.035	0.36	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.027	0.36	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.020	0.36	0.020	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.10	0.73	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.021	0.36	0.021	mg/kg dry	1	"	"	"	"	
Phenol	<0.062	0.73	0.062	mg/kg dry	1	"	"	"	"	
Pyrene	<0.025	0.36	0.025	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	76.2			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	70.2			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.6			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	67.6			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	75.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT2_3-4 (1001254-08) Soil Sampled: 04/09/10 13:00 Received: 04/09/10 16:15										
1,2,4-Trichlorobenzene	<0.032	0.39	0.032	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
1,2-Dichlorobenzene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.024	0.39	0.024	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.045	0.79	0.045	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.028	0.79	0.028	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.041	0.79	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.041	0.79	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.068	0.79	0.068	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.025	0.39	0.025	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.051	0.79	0.051	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.045	0.79	0.045	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.79	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.024	0.39	0.024	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.042	0.79	0.042	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.46	1.9	0.46	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.087	0.79	0.087	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.020	0.39	0.020	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.047	0.79	0.047	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.13	0.79	0.13	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.79	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
Aniline	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Anthracene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzidine	<0.85	2.9	0.85	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Nepl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT2_3-4 (1001254-08) Soil Sampled: 04/09/10 13:00 Received: 04/09/10 16:15										
Benzo (k) fluoranthene	<0.036	0.39	0.036	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
Benzoic acid	<0.068	0.39	0.068	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.14	0.79	0.14	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.025	0.39	0.025	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.024	0.39	0.024	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.025	0.39	0.025	mg/kg dry	1	"	"	"	"	
Carbazole	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
Chrysene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.018	0.39	0.018	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.021	0.39	0.021	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.39	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Fluorene	<0.021	0.39	0.021	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.019	0.39	0.019	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.038	0.39	0.038	mg/kg dry	1	"	"	"	"	
Isophorone	<0.020	0.39	0.020	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.038	0.39	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.021	0.39	0.021	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
Phenol	<0.067	0.79	0.067	mg/kg dry	1	"	"	"	"	
Pyrene	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	81.1			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	65.8			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	72.7			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	73.0			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT1_3-4 (1001254-09) Soil Sampled: 04/09/10 13:30 Received: 04/09/10 16:15										
1,2,4-Trichlorobenzene	<0.032	0.39	0.032	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
1,2-Dichlorobenzene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.024	0.39	0.024	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.045	0.79	0.045	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.028	0.79	0.028	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.041	0.79	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.041	0.79	0.041	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.068	0.79	0.068	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.025	0.39	0.025	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.051	0.79	0.051	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.045	0.79	0.045	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.041	0.79	0.041	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.024	0.39	0.024	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.042	0.79	0.042	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.032	0.79	0.032	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.46	1.9	0.46	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.087	0.79	0.087	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.020	0.39	0.020	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.047	0.79	0.047	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.13	0.79	0.13	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.12	0.79	0.12	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
Aniline	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Anthracene	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Benzidine	<0.85	2.9	0.85	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.032	0.39	0.032	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Nepl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AUF-TT1_3-4 (1001254-09) Soil Sampled: 04/09/10 13:30 Received: 04/09/10 16:15										
Benzo (k) fluoranthene	<0.036	0.39	0.036	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
Benzoic acid	<0.068	0.39	0.068	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.14	0.79	0.14	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.025	0.39	0.025	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.024	0.39	0.024	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.025	0.39	0.025	mg/kg dry	1	"	"	"	"	
Carbazole	<0.026	0.39	0.026	mg/kg dry	1	"	"	"	"	
Chrysene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.040	0.39	0.040	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.018	0.39	0.018	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.021	0.39	0.021	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.044	0.39	0.044	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.028	0.39	0.028	mg/kg dry	1	"	"	"	"	
Fluorene	<0.021	0.39	0.021	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.019	0.39	0.019	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.039	0.39	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.048	0.39	0.048	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.033	0.39	0.033	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.038	0.39	0.038	mg/kg dry	1	"	"	"	"	
Isophorone	<0.020	0.39	0.020	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.034	0.39	0.034	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.035	0.39	0.035	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.038	0.39	0.038	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.029	0.39	0.029	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.021	0.39	0.021	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.11	0.79	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.022	0.39	0.022	mg/kg dry	1	"	"	"	"	
Phenol	<0.067	0.79	0.067	mg/kg dry	1	"	"	"	"	
Pyrene	<0.027	0.39	0.027	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	60.7			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	54.1			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	51.9			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	51.1			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	57.5			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	55.7			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1001254-10) Soil Sampled: 04/09/10 00:00 Received: 04/09/10 16:15										
1,2,4-Trichlorobenzene	<0.029	0.35	0.029	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
1,2-Dichlorobenzene	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
1,2-Diphenylhydrazine as Azobenzene	<0.022	0.35	0.022	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.041	0.72	0.041	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.026	0.72	0.026	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.038	0.72	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.038	0.72	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.097	0.72	0.097	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.062	0.72	0.062	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.046	0.72	0.046	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.020	0.35	0.020	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.020	0.35	0.020	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.041	0.72	0.041	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.030	0.35	0.030	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.038	0.72	0.038	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.022	0.35	0.022	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.039	0.72	0.039	mg/kg dry	1	"	"	"	"	
3&4-Methylphenol	<0.029	0.72	0.029	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<0.42	1.7	0.42	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.080	0.72	0.080	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.018	0.35	0.018	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.043	0.72	0.043	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.12	0.72	0.12	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.11	0.72	0.11	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.030	0.35	0.030	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Aniline	<0.097	0.72	0.097	mg/kg dry	1	"	"	"	"	
Anthracene	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Benzidine	<0.77	2.7	0.77	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.029	0.35	0.029	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppi	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
M-1 (1001254-10) Soil Sampled: 04/09/10 00:00 Received: 04/09/10 16:15										
Benzo (k) fluoranthene	<0.033	0.35	0.033	mg/kg dry	1	B0D1911	04/19/10	04/20/10	EPA 8270C	
Benzoic acid	<0.062	0.35	0.062	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.13	0.72	0.13	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.022	0.35	0.022	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.023	0.35	0.023	mg/kg dry	1	"	"	"	"	
Carbazole	<0.024	0.35	0.024	mg/kg dry	1	"	"	"	"	
Chrysene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.037	0.35	0.037	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.020	0.35	0.020	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.016	0.35	0.016	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.019	0.35	0.019	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.040	0.35	0.040	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.026	0.35	0.026	mg/kg dry	1	"	"	"	"	
Fluorene	<0.019	0.35	0.019	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.017	0.35	0.017	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.035	0.35	0.035	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.044	0.35	0.044	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.030	0.35	0.030	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.034	0.35	0.034	mg/kg dry	1	"	"	"	"	
Isophorone	<0.018	0.35	0.018	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.031	0.35	0.031	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.032	0.35	0.032	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.034	0.35	0.034	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.027	0.35	0.027	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.019	0.35	0.019	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.10	0.72	0.10	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.020	0.35	0.020	mg/kg dry	1	"	"	"	"	
Phenol	<0.061	0.72	0.061	mg/kg dry	1	"	"	"	"	
Pyrene	<0.025	0.35	0.025	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	83.6			53-107 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	72.0			53.9-97.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	68.7			42.5-94.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.8			48.9-100 %		"	"	"	"	
Surrogate: Phenol-d6	76.2			50.4-99.6 %		"	"	"	"	
Surrogate: Terphenyl-d14	76.2			51-99.6 %		"	"	"	"	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppi	Work Order #: 1001254 Date Reported: 04/22/10
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TOTAL METALS ANALYSIS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B0D1206 - EPA 7471A											
Blank (B0D1206-BLK1) Prepared: 04/15/10 Analyzed: 04/16/10											
Mercury	< 0.10	0.10	0.0042	mg/kg wet							
LCS (B0D1206-BS1) Prepared: 04/15/10 Analyzed: 04/16/10											
Mercury	0.200	0.10	0.0042	mg/kg wet	0.200		100	80-120			
LCS Dup (B0D1206-BSD1) Prepared: 04/15/10 Analyzed: 04/16/10											
Mercury	0.198	0.10	0.0042	mg/kg wet	0.200		99.0	80-120	1.01	20	
Matrix Spike (B0D1206-MS1) Source: 1001156-01 Prepared: 04/15/10 Analyzed: 04/16/10											
Mercury	0.399	0.19	0.0080	mg/kg dry	0.382	<0.19	96.7	75-125			
Matrix Spike Dup (B0D1206-MSD1) Source: 1001156-01 Prepared: 04/15/10 Analyzed: 04/16/10											
Mercury	0.385	0.19	0.0080	mg/kg dry	0.383	<0.19	92.7	75-125	3.63	20	
Batch B0D1501 - EPA 3050B											
Blank (B0D1501-BLK1) Prepared: 04/15/10 Analyzed: 04/19/10											
Arsenic	< 0.50	0.50	0.10	mg/kg wet							
Lead	< 1.0	1.0	0.034	mg/kg wet							
LCS (B0D1501-BS1) Prepared: 04/15/10 Analyzed: 04/19/10											
Arsenic	42.0	0.50	0.10	mg/kg wet	39.9		105	80-120			
Lead	43.1	1.0	0.034	mg/kg wet	39.9		108	80-120			
LCS Dup (B0D1501-BSD1) Prepared: 04/15/10 Analyzed: 04/19/10											
Arsenic	41.9	0.50	0.10	mg/kg wet	39.9		105	80-120	0.279	20	
Lead	42.8	1.0	0.034	mg/kg wet	39.9		107	80-120	0.673	20	
Matrix Spike (B0D1501-MS1) Source: 1001240-02 Prepared: 04/15/10 Analyzed: 04/19/10											
Arsenic	42.3	0.52	0.10	mg/kg dry	41.0	2.06	98.3	75-125			
Lead	45.2	1.0	0.035	mg/kg dry	41.0	7.71	91.6	75-125			
Matrix Spike Dup (B0D1501-MSD1) Source: 1001240-02 Prepared: 04/15/10 Analyzed: 04/19/10											
Arsenic	43.4	0.52	0.10	mg/kg dry	40.9	2.06	101	75-125	2.48	20	
Lead	48.6	1.0	0.035	mg/kg dry	40.9	7.71	100	75-125	7.32	20	

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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PERCENT SOLIDS - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B0D1912 - General Preparation											
Duplicate (B0D1912-DUP1)						Source: 1001254-05	Prepared & Analyzed: 04/19/10				
% Solids	93.0			%		93.0			0.00	20	
Duplicate (B0D1912-DUP2)						Source: 1001300-04	Prepared & Analyzed: 04/19/10				
% Solids	92.0			%		90.0			2.20	20	

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

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B0D1911 - EPA 3545 ASE Extraction

Blank (B0D1911-BLK1)

Prepared & Analyzed: 04/19/10

1,2,4-Trichlorobenzene	< 0.027	0.33	0.027	mg/kg wet							
1,2-Dichlorobenzene	< 0.025	0.33	0.025	mg/kg wet							
1,2-Diphenylhydrazine as Azobenzene	< 0.020	0.33	0.020	mg/kg wet							
1,3-Dichlorobenzene	< 0.023	0.33	0.023	mg/kg wet							
1,4-Dichlorobenzene	< 0.024	0.33	0.024	mg/kg wet							
2,3,4,6-Tetrachlorophenol	< 0.038	0.67	0.038	mg/kg wet							
2,4,5-Trichlorophenol	< 0.024	0.67	0.024	mg/kg wet							
2,4,6-Trichlorophenol	< 0.035	0.67	0.035	mg/kg wet							
2,4-Dichlorophenol	< 0.035	0.67	0.035	mg/kg wet							
2,4-Dimethylphenol	< 0.090	0.67	0.090	mg/kg wet							
2,4-Dinitrophenol	< 0.058	0.67	0.058	mg/kg wet							
2,4-Dinitrotoluene	< 0.021	0.33	0.021	mg/kg wet							
2,6-Dichlorophenol	< 0.043	0.67	0.043	mg/kg wet							
2,6-Dinitrotoluene	< 0.019	0.33	0.019	mg/kg wet							
2-Chloronaphthalene	< 0.019	0.33	0.019	mg/kg wet							
2-Chlorophenol	< 0.038	0.67	0.038	mg/kg wet							
2-Methylnaphthalene	< 0.028	0.33	0.028	mg/kg wet							
2-Methylphenol	< 0.035	0.67	0.035	mg/kg wet							
2-Nitroaniline	< 0.020	0.33	0.020	mg/kg wet							
2-Nitrophenol	< 0.036	0.67	0.036	mg/kg wet							
3&4-Methylphenol	< 0.027	0.67	0.027	mg/kg wet							
3,3'-Dichlorobenzidine	< 0.39	1.6	0.39	mg/kg wet							
3-Nitroaniline	< 0.033	0.33	0.033	mg/kg wet							
4,6-Dinitro-2-methylphenol	< 0.074	0.67	0.074	mg/kg wet							
4-Bromophenyl phenyl ether	< 0.017	0.33	0.017	mg/kg wet							
4-Chloro-3-methylphenol	< 0.040	0.67	0.040	mg/kg wet							
4-Chloroaniline	< 0.11	0.67	0.11	mg/kg wet							
4-Chlorophenyl phenyl ether	< 0.023	0.33	0.023	mg/kg wet							
4-Nitroaniline	< 0.023	0.33	0.023	mg/kg wet							
4-Nitrophenol	< 0.099	0.67	0.099	mg/kg wet							
Acenaphthene	< 0.028	0.33	0.028	mg/kg wet							
Acenaphthylene	< 0.023	0.33	0.023	mg/kg wet							
Aniline	< 0.090	0.67	0.090	mg/kg wet							
Anthracene	< 0.025	0.33	0.025	mg/kg wet							
Benzidine	< 0.72	2.5	0.72	mg/kg wet							
Benzo (a) anthracene	< 0.027	0.33	0.027	mg/kg wet							
Benzo (a) pyrene	< 0.027	0.33	0.027	mg/kg wet							
Benzo (b) fluoranthene	< 0.034	0.33	0.034	mg/kg wet							
Benzo (g,h,i) perylene	< 0.030	0.33	0.030	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppi	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B0D1911 - EPA 3545 ASE Extraction

Blank (B0D1911-BLK1)

Prepared & Analyzed: 04/19/10

Benzo (k) fluoranthene	< 0.031	0.33	0.031	mg/kg wet							
Benzoic acid	< 0.058	0.33	0.058	mg/kg wet							
Benzyl alcohol	< 0.12	0.67	0.12	mg/kg wet							
Bis(2-chloroethoxy)methane	< 0.021	0.33	0.021	mg/kg wet							
Bis(2-chloroethyl)ether	< 0.024	0.33	0.024	mg/kg wet							
Bis(2-chloroisopropyl)ether	< 0.022	0.33	0.022	mg/kg wet							
Bis(2-ethylhexyl)phthalate	< 0.020	0.33	0.020	mg/kg wet							
Butyl benzyl phthalate	< 0.021	0.33	0.021	mg/kg wet							
Carbazole	< 0.022	0.33	0.022	mg/kg wet							
Chrysene	< 0.033	0.33	0.033	mg/kg wet							
Dibenz (a,h) anthracene	< 0.034	0.33	0.034	mg/kg wet							
Dibenzofuran	< 0.019	0.33	0.019	mg/kg wet							
Diethyl phthalate	< 0.015	0.33	0.015	mg/kg wet							
Dimethyl phthalate	< 0.018	0.33	0.018	mg/kg wet							
Di-n-butyl phthalate	< 0.037	0.33	0.037	mg/kg wet							
Di-n-octyl phthalate	< 0.025	0.33	0.025	mg/kg wet							
Fluoranthene	< 0.024	0.33	0.024	mg/kg wet							
Fluorene	< 0.018	0.33	0.018	mg/kg wet							
Hexachlorobenzene	< 0.016	0.33	0.016	mg/kg wet							
Hexachlorobutadiene	< 0.033	0.33	0.033	mg/kg wet							
Hexachlorocyclopentadiene	< 0.041	0.33	0.041	mg/kg wet							
Hexachloroethane	< 0.028	0.33	0.028	mg/kg wet							
Indeno (1,2,3-cd) pyrene	< 0.032	0.33	0.032	mg/kg wet							
Isophorone	< 0.017	0.33	0.017	mg/kg wet							
Naphthalene	< 0.029	0.33	0.029	mg/kg wet							
Nitrobenzene	< 0.030	0.33	0.030	mg/kg wet							
N-Nitrosodimethylamine	< 0.032	0.33	0.032	mg/kg wet							
N-Nitrosodi-n-propylamine	< 0.025	0.33	0.025	mg/kg wet							
N-Nitrosodiphenylamine	< 0.018	0.33	0.018	mg/kg wet							
Pentachlorophenol	< 0.096	0.67	0.096	mg/kg wet							
Phenanthrene	< 0.019	0.33	0.019	mg/kg wet							
Phenol	< 0.057	0.67	0.057	mg/kg wet							
Pyrene	< 0.023	0.33	0.023	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	3.95			mg/kg wet	6.67		59.3	53-107			
Surrogate: 2-Fluorobiphenyl	4.04			mg/kg wet	6.67		60.6	53.9-97.9			
Surrogate: 2-Fluorophenol	4.05			mg/kg wet	6.67		60.7	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.06			mg/kg wet	6.67		60.9	48.9-100			
Surrogate: Phenol-d6	4.49			mg/kg wet	6.67		67.3	50.4-99.6			
Surrogate: Terphenyl-d14	4.06			mg/kg wet	6.67		60.8	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppi	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B0D1911 - EPA 3545 ASE Extraction

LCS (B0D1911-BS1)

Prepared & Analyzed: 04/19/10

1,2,4-Trichlorobenzene	4.56	0.33	0.027	mg/kg wet	6.67		68.5	59.1-87.7			
1,4-Dichlorobenzene	4.05	0.33	0.024	mg/kg wet	6.67		60.8	50.3-72.9			
2,4-Dinitrotoluene	4.80	0.33	0.021	mg/kg wet	6.67		72.1	59.8-82.2			
2-Chlorophenol	4.23	0.67	0.038	mg/kg wet	6.67		63.5	59.7-77.3			
4-Chloro-3-methylphenol	4.59	0.67	0.040	mg/kg wet	6.67		68.8	63.6-80.4			
4-Nitrophenol	5.32	0.67	0.099	mg/kg wet	6.67		79.8	57.3-84.9			
Anthracene	4.84	0.33	0.025	mg/kg wet	6.67		72.6	67.3-88			
Benzo (a) anthracene	5.13	0.33	0.027	mg/kg wet	6.67		76.9	66.5-90.5			
Benzo (a) pyrene	5.15	0.33	0.027	mg/kg wet	6.67		77.2	66.1-89.7			
Chrysene	5.14	0.33	0.033	mg/kg wet	6.67		77.2	65.5-90.5			
Fluoranthene	5.06	0.33	0.024	mg/kg wet	6.67		75.9	66.7-89.9			
Fluorene	4.64	0.33	0.018	mg/kg wet	6.67		69.7	66.2-85.6			
N-Nitrosodi-n-propylamine	4.89	0.33	0.025	mg/kg wet	6.67		73.4	59.4-78			
Pentachlorophenol	4.82	0.67	0.096	mg/kg wet	6.67		72.3	46.7-83.2			
Phenanthrene	4.83	0.33	0.019	mg/kg wet	6.67		72.4	67.5-87.9			
Phenol	4.37	0.67	0.057	mg/kg wet	6.67		65.5	59.5-76.6			
<i>Surrogate: 2,4,6-Tribromophenol</i>	4.49			mg/kg wet	6.67		67.3	53-107			
<i>Surrogate: 2-Fluorobiphenyl</i>	4.46			mg/kg wet	6.67		66.9	53.9-97.9			
<i>Surrogate: 2-Fluorophenol</i>	4.39			mg/kg wet	6.67		65.9	42.5-94.9			
<i>Surrogate: Nitrobenzene-d5</i>	4.54			mg/kg wet	6.67		68.0	48.9-100			
<i>Surrogate: Phenol-d6</i>	4.86			mg/kg wet	6.67		72.9	50.4-99.6			
<i>Surrogate: Terphenyl-d14</i>	4.67			mg/kg wet	6.67		70.1	51-99.6			

Matrix Spike (B0D1911-MS1)

Source: 1001300-01

Prepared & Analyzed: 04/19/10

1,2,4-Trichlorobenzene	4.95	0.34	0.028	mg/kg dry	6.87	<0.34	72.0	44.8-97.9			
1,4-Dichlorobenzene	4.40	0.34	0.025	mg/kg dry	6.87	<0.34	64.1	42.3-77.9			
2,4-Dinitrotoluene	5.27	0.34	0.022	mg/kg dry	6.87	<0.34	76.6	57.3-86.6			
2-Chlorophenol	4.77	0.69	0.039	mg/kg dry	6.87	<0.69	69.4	43.3-93.2			
4-Chloro-3-methylphenol	5.18	0.69	0.041	mg/kg dry	6.87	<0.69	75.4	47.1-97.6			
4-Nitrophenol	5.93	0.69	0.10	mg/kg dry	6.87	<0.69	86.3	49.3-96.2			
Anthracene	5.32	0.34	0.026	mg/kg dry	6.87	<0.34	77.5	67.5-93.1			
Benzo (a) anthracene	5.59	0.34	0.028	mg/kg dry	6.87	<0.34	81.4	59.8-95.7			
Benzo (a) pyrene	5.77	0.34	0.028	mg/kg dry	6.87	<0.34	83.9	59.8-92.7			
Chrysene	5.60	0.34	0.034	mg/kg dry	6.87	<0.34	81.5	62.5-94.6			
Fluoranthene	5.54	0.34	0.025	mg/kg dry	6.87	<0.34	80.5	61.3-92.8			
Fluorene	5.06	0.34	0.019	mg/kg dry	6.87	<0.34	73.6	62.8-92.6			
N-Nitrosodi-n-propylamine	5.32	0.34	0.026	mg/kg dry	6.87	<0.34	77.4	46.9-89.9			
Pentachlorophenol	5.74	0.69	0.099	mg/kg dry	6.87	<0.69	83.5	40.1-95.1			
Phenanthrene	5.24	0.34	0.020	mg/kg dry	6.87	<0.34	76.3	65.2-92.2			
Phenol	4.80	0.69	0.059	mg/kg dry	6.87	<0.69	69.9	44.7-91			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Nepl	Work Order #: 1001254 Date Reported: 04/22/10
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SVOC 8270C - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B0D1911 - EPA 3545 ASE Extraction

Matrix Spike (B0D1911-MS1)

Source: 1001300-01

Prepared & Analyzed: 04/19/10

Surrogate: 2,4,6-Tribromophenol	5.36			mg/kg dry	6.87		78.1	53-107			
Surrogate: 2-Fluorobiphenyl	4.85			mg/kg dry	6.87		70.5	53.9-97.9			
Surrogate: 2-Fluorophenol	4.81			mg/kg dry	6.87		70.0	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.91			mg/kg dry	6.87		71.5	48.9-100			
Surrogate: Phenol-d6	5.18			mg/kg dry	6.87		75.3	50.4-99.6			
Surrogate: Terphenyl-d14	5.09			mg/kg dry	6.87		74.0	51-99.6			

Matrix Spike Dup (B0D1911-MSD1)

Source: 1001300-01

Prepared & Analyzed: 04/19/10

1,2,4-Trichlorobenzene	4.85	0.34	0.028	mg/kg dry	6.87	<0.34	70.5	44.8-97.9	2.09	19.6	
1,4-Dichlorobenzene	4.29	0.34	0.025	mg/kg dry	6.87	<0.34	62.5	42.3-77.9	2.56	22.4	
2,4-Dinitrotoluene	5.02	0.34	0.022	mg/kg dry	6.87	<0.34	73.1	57.3-86.6	4.78	19.5	
2-Chlorophenol	4.68	0.69	0.039	mg/kg dry	6.87	<0.69	68.1	43.3-93.2	1.85	23.7	
4-Chloro-3-methylphenol	5.07	0.69	0.041	mg/kg dry	6.87	<0.69	73.7	47.1-97.6	2.32	18.3	
4-Nitrophenol	5.49	0.69	0.10	mg/kg dry	6.87	<0.69	79.9	49.3-96.2	7.69	20.4	
Anthracene	5.11	0.34	0.026	mg/kg dry	6.87	<0.34	74.3	67.5-93.1	4.10	19.9	
Benzo (a) anthracene	5.34	0.34	0.028	mg/kg dry	6.87	<0.34	77.7	59.8-95.7	4.64	23.4	
Benzo (a) pyrene	5.47	0.34	0.028	mg/kg dry	6.87	<0.34	79.5	59.8-92.7	5.35	21.1	
Chrysene	5.34	0.34	0.034	mg/kg dry	6.87	<0.34	77.7	62.5-94.6	4.87	24.8	
Fluoranthene	5.27	0.34	0.025	mg/kg dry	6.87	<0.34	76.7	61.3-92.8	4.91	21.8	
Fluorene	4.95	0.34	0.019	mg/kg dry	6.87	<0.34	72.0	62.8-92.6	2.20	17.6	
N-Nitrosodi-n-propylamine	5.21	0.34	0.026	mg/kg dry	6.87	<0.34	75.8	46.9-89.9	2.12	18.9	
Pentachlorophenol	5.33	0.69	0.099	mg/kg dry	6.87	<0.69	77.6	40.1-95.1	7.37	19.7	
Phenanthrene	5.04	0.34	0.020	mg/kg dry	6.87	<0.34	73.4	65.2-92.2	3.93	20.5	
Phenol	4.76	0.69	0.059	mg/kg dry	6.87	<0.69	69.3	44.7-91	0.904	17.9	
Surrogate: 2,4,6-Tribromophenol	4.98			mg/kg dry	6.87		72.5	53-107			
Surrogate: 2-Fluorobiphenyl	4.79			mg/kg dry	6.87		69.7	53.9-97.9			
Surrogate: 2-Fluorophenol	4.77			mg/kg dry	6.87		69.5	42.5-94.9			
Surrogate: Nitrobenzene-d5	4.82			mg/kg dry	6.87		70.1	48.9-100			
Surrogate: Phenol-d6	5.10			mg/kg dry	6.87		74.2	50.4-99.6			
Surrogate: Terphenyl-d14	4.80			mg/kg dry	6.87		69.9	51-99.6			

Barr Engineering Co. 4700 W 77th St Minneapolis, MN 55435	Project: 23190B05.07 Project Number: 23190B05.07 DE15 Project Manager: Ms. Kelly Neppl	Work Order #: 1001254 Date Reported: 04/22/10
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Notes and Definitions

<	Less than value listed
dry	Sample results reported on a dry weight basis
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)
MS	Matrix Spike = Laboratory Fortified Matrix (LFM)

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

Project Number: 23/19-0505.07 DES
Project Name: UMore Park - AUF Investigation
Sample Origination State: MN (use two letter postal state abbreviation)

COC Number: **NO 30958**

Project Manager: JME/JSA
Project QC Contact: KJN
Sampled by: KLB
Laboratory: Legend

COC _____ of _____

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	Total Number of Containers
						Water	Soil		
01 AUF-T1	2	2.5	ft	4/8/2010	10:00	X	X	X	3
02 AUF-T11	8	8	ft	4/8/2010	15:30	X	X	X	3
03 AUF-T7	0.5	0.5	ft	4/9/2010	9:00	X	X	X	3
04 AUF-T9	0.5	1	ft	4/9/2010	10:00	X	X	X	3
05 AUF-T9	1.5	2	ft	4/4/2010	10:30	X	X	X	3
06 AUF-T17	3	4			10:55	X	X	X	3
07 AUF-T19	3.5	4			12:05	X	X	X	3
08 AUF-T12	3	4			13:00	X	X	X	3
09 AUF-T1	3	4			13:30	X	X	X	5
10 M-1	-	-			-	X	X	X	3

Matrix: Soil Water

Type: Grab Composite

On Ice? Yes No

Relinquished By: [Signature] Date: 4/9/10 Time: 14:55

Received by: [Signature] Date: 4/9/10 Time: 16:15

Relinquished By: [Signature] Date: 4/9/10 Time: 14:55

Received by: [Signature] Date: 4/9/10 Time: 16:15

Sampled Vials: Analyze SVOCs, Metals, Arsenic + Mercury

Number of Containers/Preservative:
Water: VOCs (HCl) #, VOCs (unpreserved) #2, Dissolved Metals (HNO3), Total Metals (HNO3), General Organics (ICI) #3, Diesel Range Organics (ICI), Nutrients (H2SO4) #4
Soil: VOCs (tared MeOH) #1, GRO, BTEX (tared MeOH) #1, DRO (tared unpreserved), Metals (unpreserved) #3, SVOCs (unpreserved) #3, % Solids (plastic vial, unpres.)

Common Parameter/Container - Preservation Key:
#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicides/Pesticides/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phosphorus, Ammonia Nitrogen, TKN

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

5.42

INVOICE



INVOICE #: 1001254
Invoiced On: 04/22/10
Invoice Due: 05/24/10

88 Empire Drive St. Paul, MN 55103 651-642-1150
Federal Tax ID#: 41-1698058 Fax: 651-642-1239

Sold To: Barr Engineering Co.
Attn: Accounts Payable
4700 W 77th St
Minneapolis, MN 55435

Ship To: Barr Engineering Co.
Attn: Ms. Kelly Neppi
4700 W 77th St
Minneapolis, MN 55435

Client Manager: Terri Olson
Received: 04/09/10
Terms: Net 30 days

Customer ID: BARR
PO Number: 23190B05.07 DE15
Work Order #: 1001254

Test Code	Item/Description	Quantity	Price	Total Price
8270	8270C SVOC Full List	10	\$200.00	\$2,000.00
ENVMET	As Total ICP 6010B	10	\$10.00	\$100.00
ENVMET	Hg Total 7470A/7471A	10	\$35.00	\$350.00
ENVMET	Pb Total ICP 6010B	10	\$10.00	\$100.00
MISC	Solids, Dry Weight	10	\$0.00	\$0.00
Additional Items				
	Digestion	10	\$15.00	\$150.00



For credit card payments
call 651-221-4073

TOTAL: \$2,700.00

Thank You For Your Business

Past due balance subject to a finance charge of 1½% per month or 18% per annum. Please reference invoice # with payment.