UNIVERSITY OF MINNESOTA

Twin Cities Campus

Environmental Health and Safety
Office of Vice President for University Services

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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 B Dalgleish

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
4700 West 77th Street • Minneapolis, MN 55435-4803
Phone: 952-832-2600 • Fax: 952-832-2601 • www.barr.com *An EEO Employer*

Minneapolis, MN • Hibbing, MN • Duluth, MN • Ann Arbor, MI • Jefferson City, MO • Bismarck, ND

Technical Memorandum

To: Steven Lott and Janet Dalgleish, 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.

  - 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

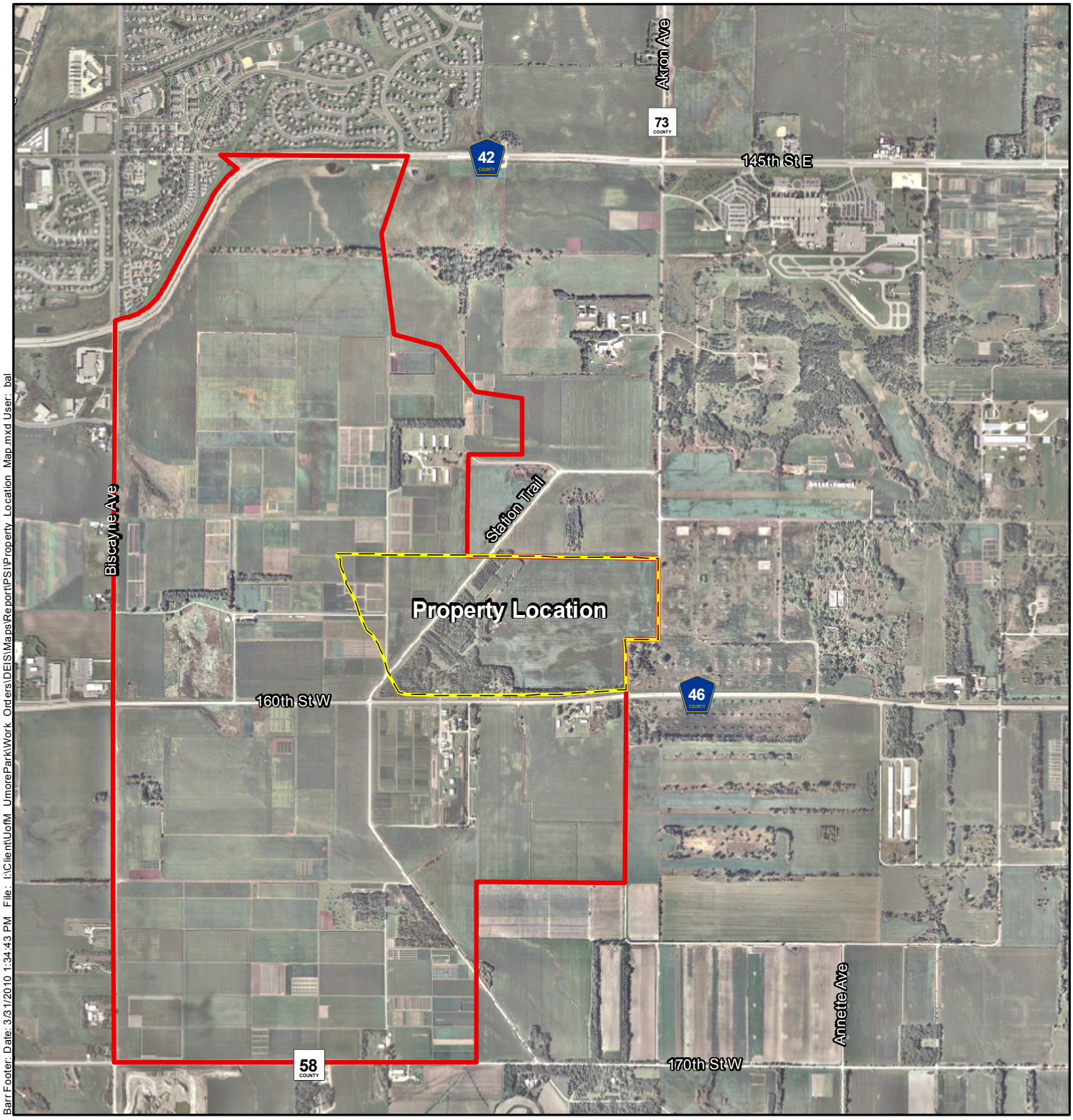
ppm = parts per million

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
UMore Mining Area
Preliminary Subsurface Investigation
Dakota County, Minnesota

Ancillary Use Facility Boundary

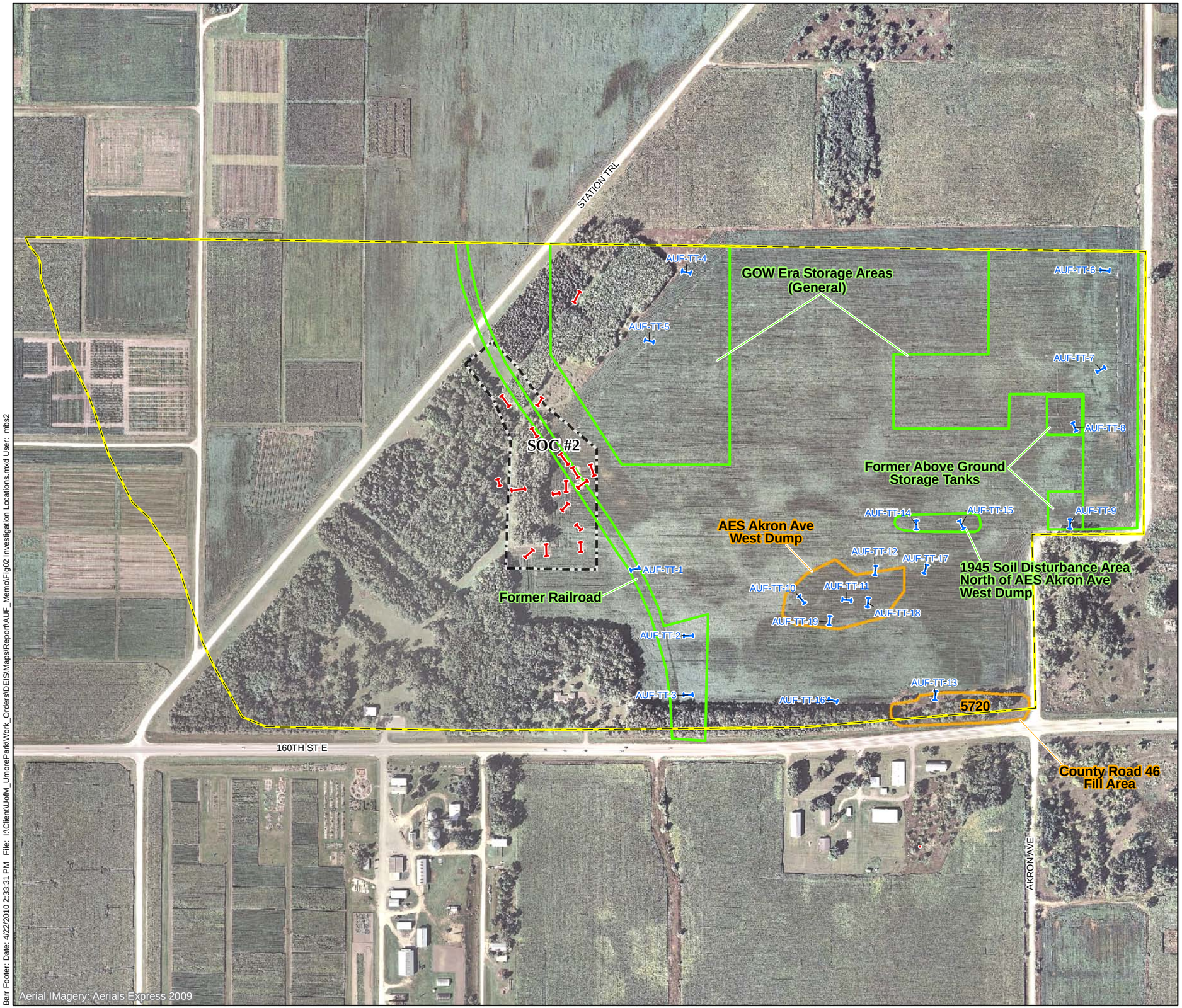
UMore Mining Area Boundary

N

Feet

1,000 0 1,000 2,000 3,000

BARR



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

N

Feet

400 0 400

BARR

Figure 2

INVESTIGATION LOCATIONS

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

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

Excavator in the AUF.

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

Concrete clasts encountered in test trench AUF-TT11.

Location AUF Date 4/8/10 21

Project / Client UMore - U of Mn

KCB

700 KCB + Jason (SDE) onsite
- held Pre-construction Safety meeting
- Will start @ AUF-TT4+5

800 Begin test trenching

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

830 Spoke w/ UME:
- At end of investigation, will go back to AUF-TT1 and further investigate RR area/fill
- Move AUF-TT12 100' North per JSA
- No samples unless impacts 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 2-2.5'		
2A	n/n	0
2B	n/n	0
3A	n/n	0
3B	n/n	0

Location AUF Date 4/8/10

23

Project / Client UMore

KCB

Bkgd	Debris	Description
0	0	Dk brn topsoil
0	0	Rd brn ML
0		Yel Brn SP w/ gravel
0	0	Dk brn topsoil
0	0	Yel brn ML
0	0	Grey brn topsoil, layered, laminated
0	0	Grey brn topsoil
0	0	Lt brn ~~SAT~~ SP
0	0	Yel brn ML
0	0	Lt brn SP

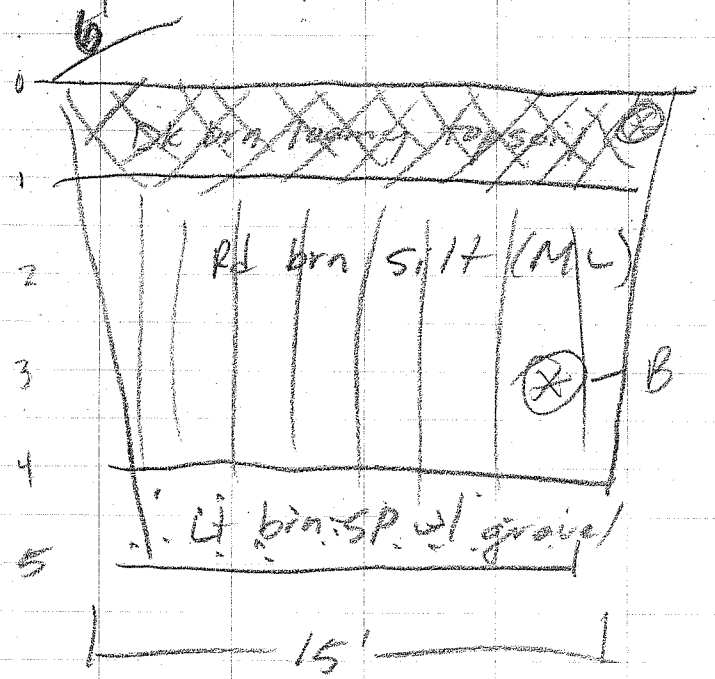
24

Location AUF-TT4 Date 4/8/10

Project / Client UMore

KUB

800 Start @ AUF-TT4A



25

Location AUF-TT4 Date 4/8/10

Project / Client

KUB

AUF-TT4B

→ SAME

0830

~~0845~~ AUF-TT4 completed and backfilled

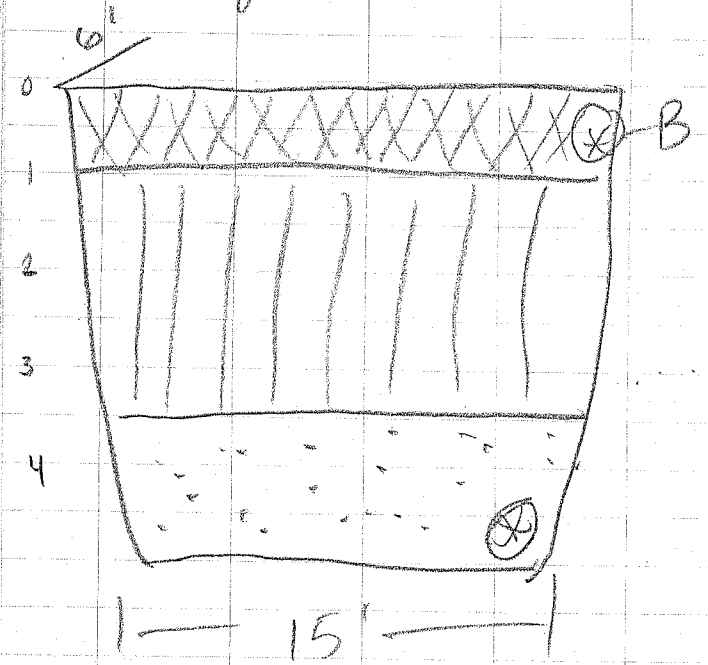
26

Location AUF-TT5 Date 4/8/10

Project / Client UMore

KLB

835 Begin @ AUF-TT5A



Location AUF-TT5 Date 4/8/10 27

Project / Client UMore

KLB

AUF-TT5B

SAME

0915 AUF-TT5 Backfilled

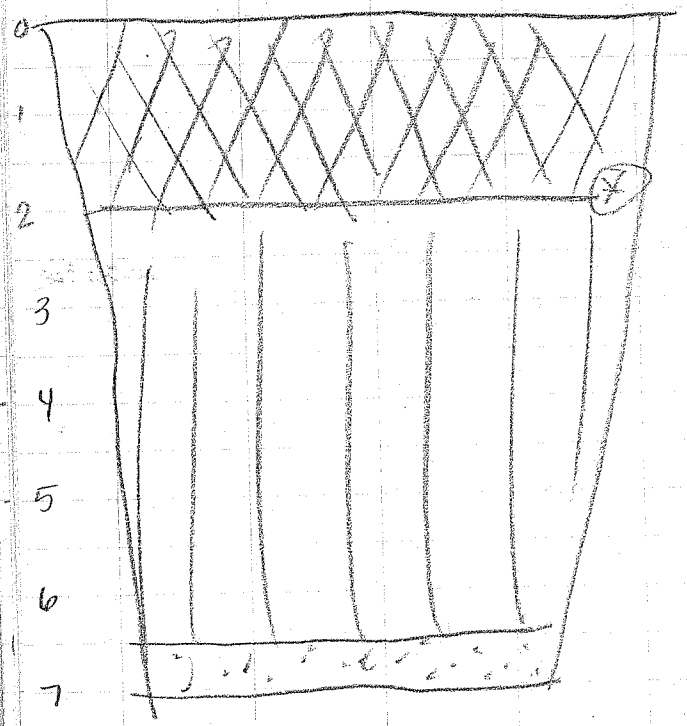
28

Location AUF-TT1A Date 4/8/10

Project / Client

KEB

0920 Begin AUF-TT1A



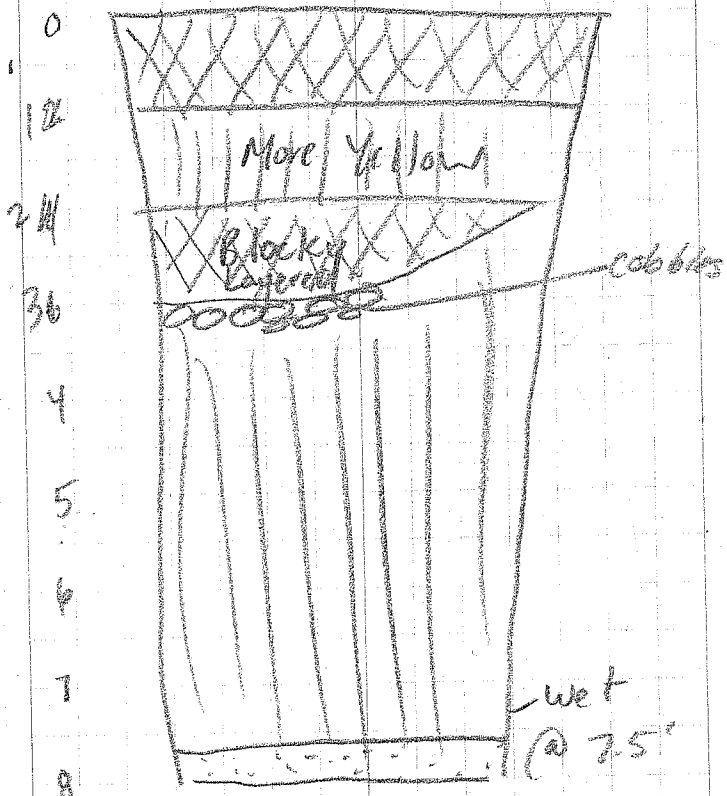
29

Location AUF-TT1B Date 4/8/10

Project / Client UMore

KEB

AUF-TT1B



1000 Backfilled AUF-TT1

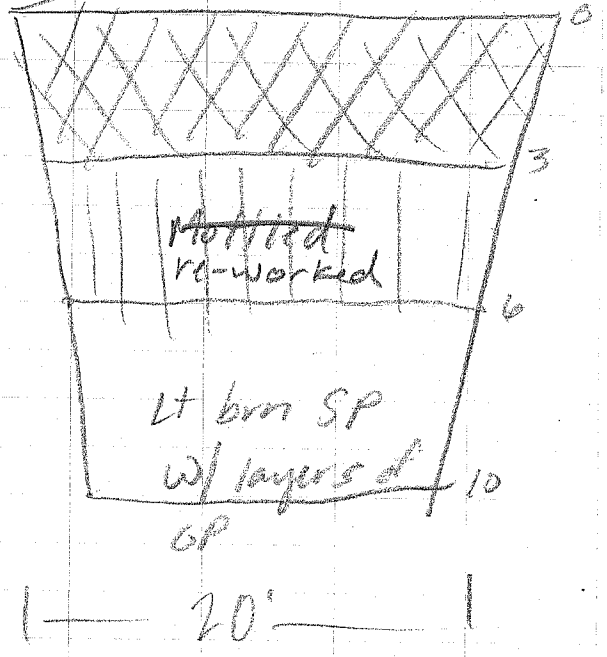
30

Location AUF-TT2 Date 4/8/10

Project / Client UMore

KEB

1010 Begin AUF-TT2 A



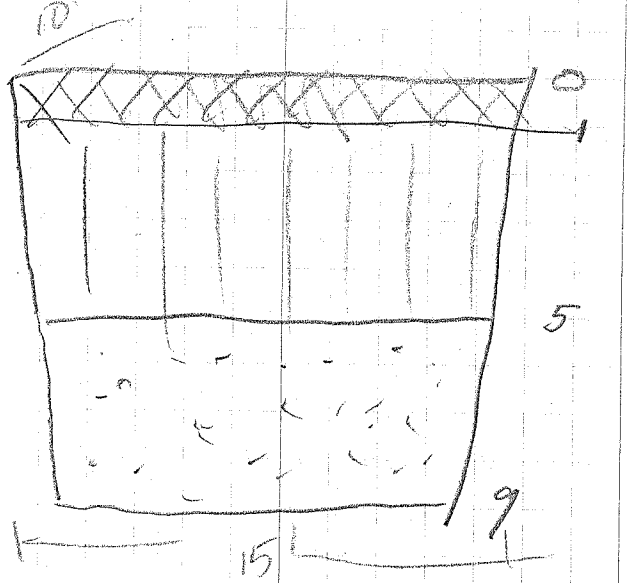
Location AUF-TT2 Date 4/8/10

Project / Client UMore

KEB

31

AUF-TT2B



1130 KEB to pick up new PID from UMore office

Jason backfills, stop for lunch

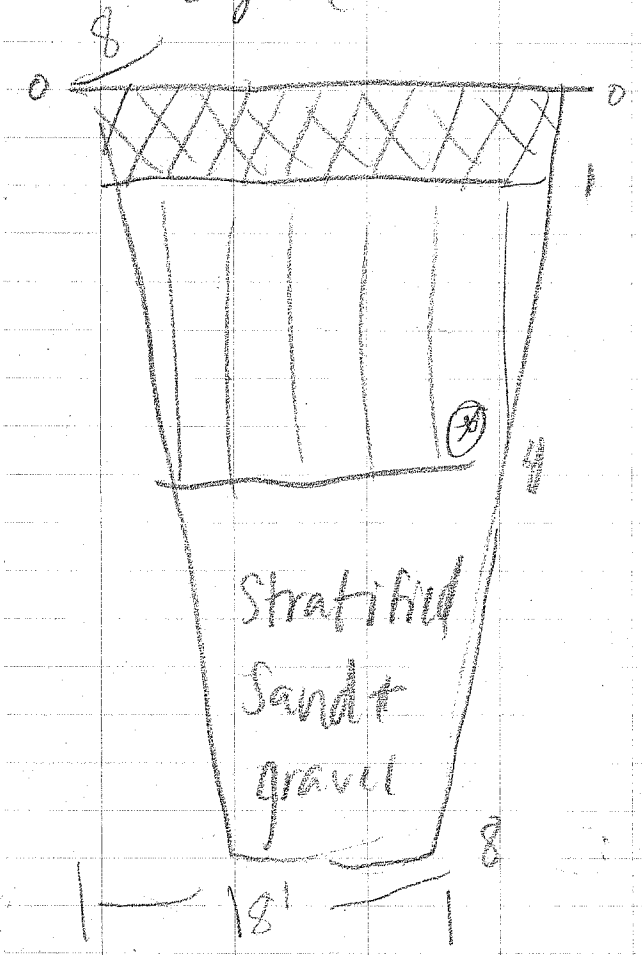
32

Location AMF-TT3 Date 4/8/10

Project / Client UMore

KEB

1215 Begin @ AMF-TT3A



Location AMF-TT3 Date 4/8/10 33

Project / Client UMore

KEB

AMF-TT3B

SAME

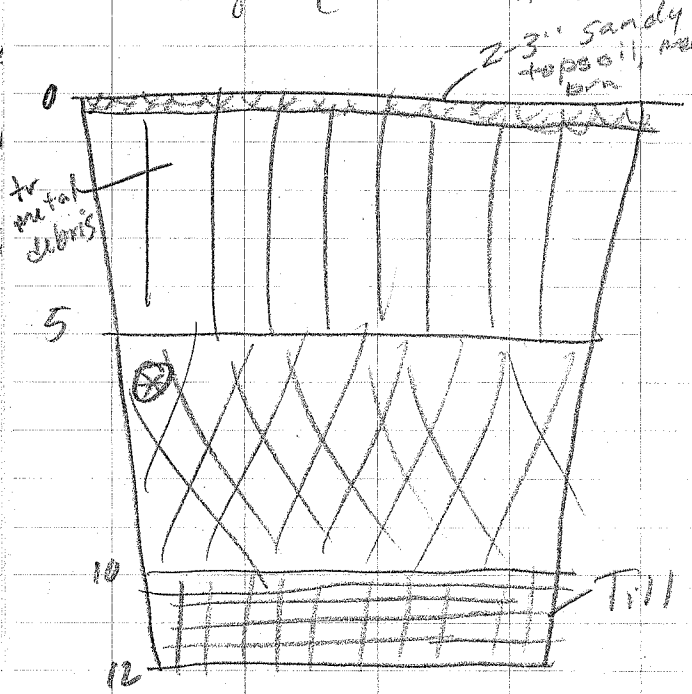
34

Location AUF-TT10 Date 4/8/10

Project / Client VMore

KEB

1315 Begin @ AUF-TT10

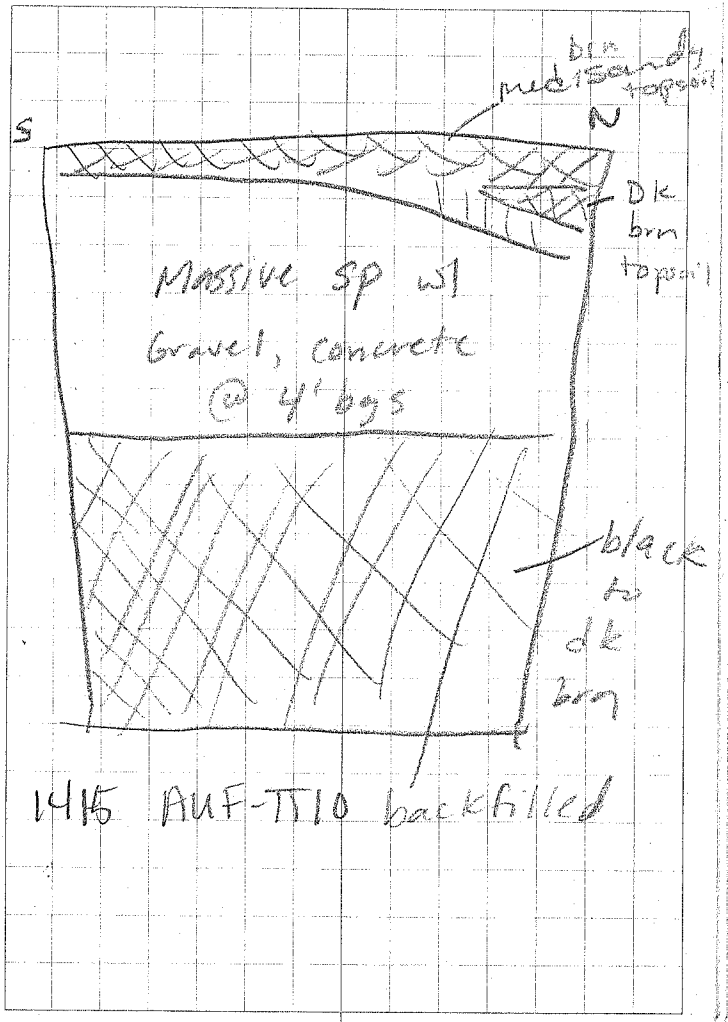


35

Location AUF-TT10 Date 4/8/10

Project / Client

KEB



1415 AUF-TT10 backfilled

Location AUF Date 4/6/10

Project / Client UMore

KEB

ID	o/d/f'	PID
AUF-TT10A	n/a (asphalt)	0.2
AUF-TT10B	n/a	0.0
AUF-TT11A	n/a	0.0
AUF-TT11-8'	n/a	
* Collected sample from		
AUF-TT12A	n/a	0.0
AUF-TT12B	n/a	0.0
AUF-TT14A	n/a	0.0
AUF-TT14B	n/a	0.0
AUF-TT15A	n/a	0.0
AUF-TT15B	n/a	0.

Location AUF Date 4/8/10

Project / Client

KEB

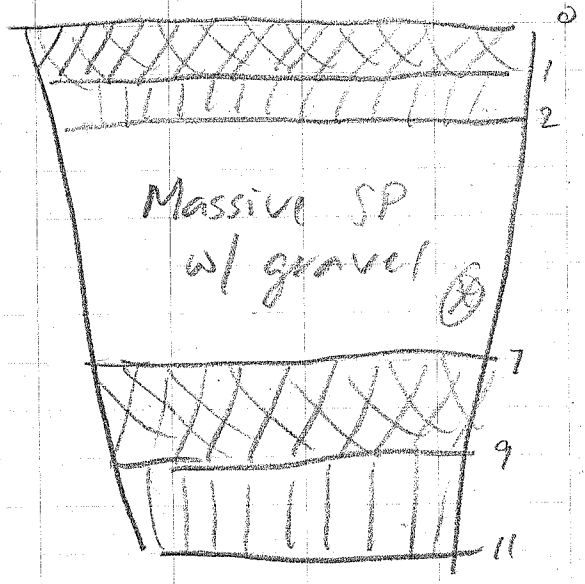
Bkgd	Debris	Description
0	0	Dk brn topsoil, blocky
0	0	Lt brn SP
	0	↓
	0	Dk brn topsoil
AUF-TT12B		below concrete
0	0	Yel brn ML
0	0	Dk brn topsoil
0	0	Yel brn ML
0	0	Lt brn SP
0	0	Dk brn Topsoil
0	0	Lt brn SP

Location AMF-TT 11 Date 4/8/10

Project / Client UMore

KMB

1420 Begin AMF-TT11A

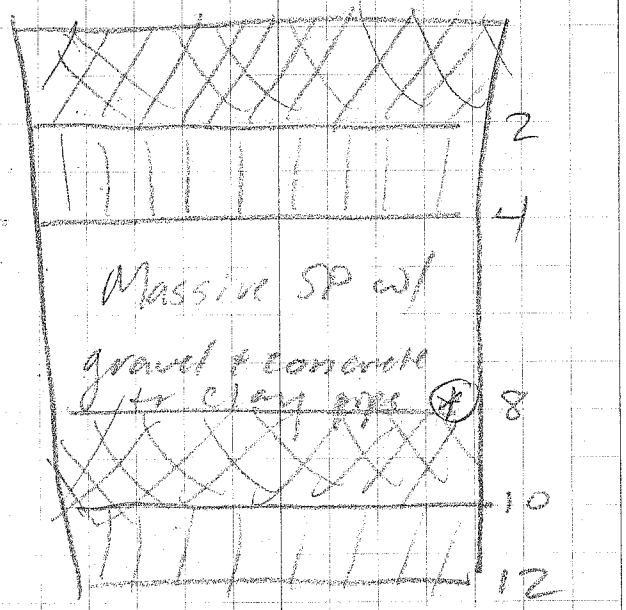


Location AMF-TT 11 Date 4/8/10

Project / Client

KMB

AMF-TT11B

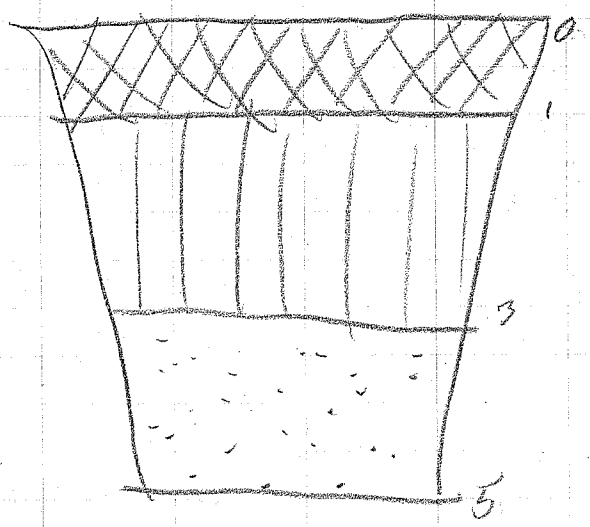


Location AUF-TT12 Date 4/8/10

Project / Client UMore

KEB

1535 Begin AUF-TT12A

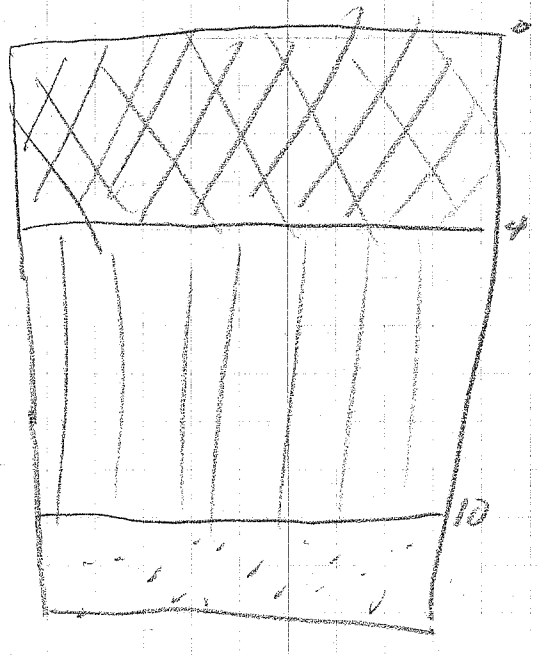


Location AUF-TT12 Date 4/8/10

Project / Client

KEB

AUF-TT12B



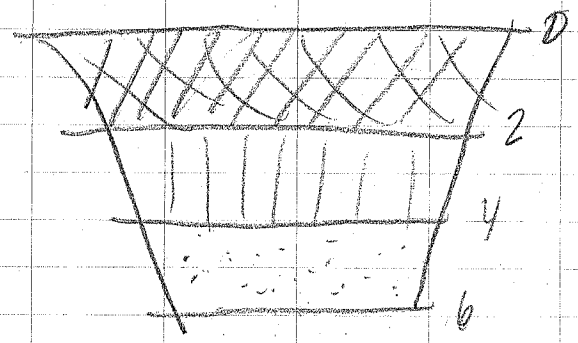
42

Location AUF-TT14 Date 4/8/10

Project / Client UMore

KeB

1610 Begin AUF-TT14A

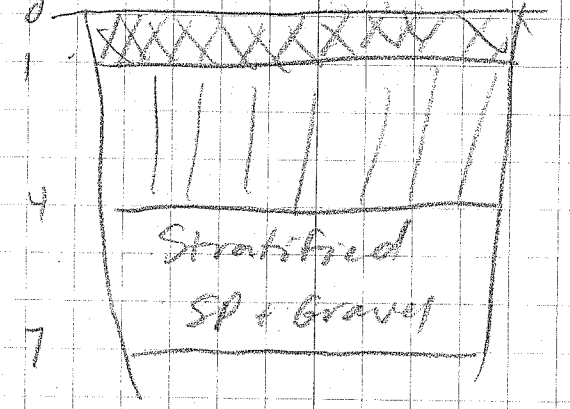


Location AUF-TT14 Date 4/8/10 43

Project / Client UMore

KeB

AUF-TT14B



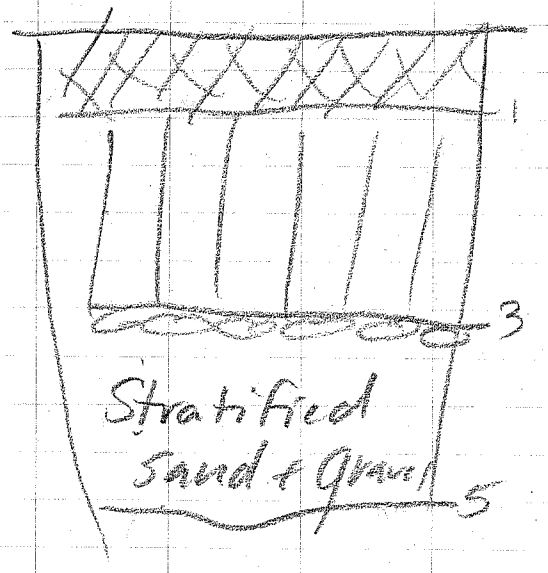
1635 Backfilled AUF-TT14

Location AUF-TT15 Date 4/8/10

Project / Client Umore

KCB

1635 Began AUF-TT15A

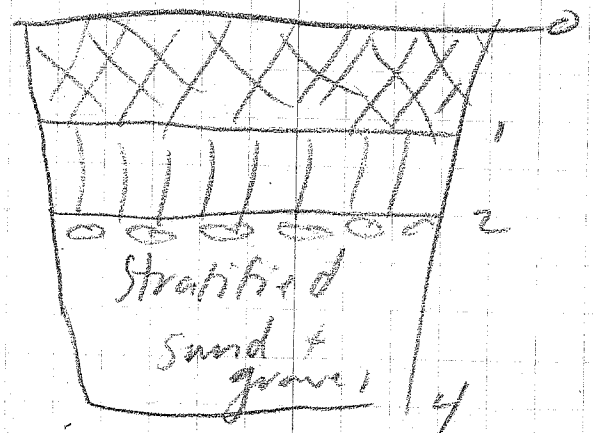


Location AUF-TT15 Date 4/8/10

Project / Client

KCB

AUF-TT15B



1700 Completed AUF-TT15

Location AMF Date 4/9/10

Project / Client uMore - U of Mn

KCB

700 KCB + SDE onsite
- fuel up, move to AMF-TT6
- Safety meeting: T/S/F, ~~safety around ground~~

745
~~830~~ Begin test trenching

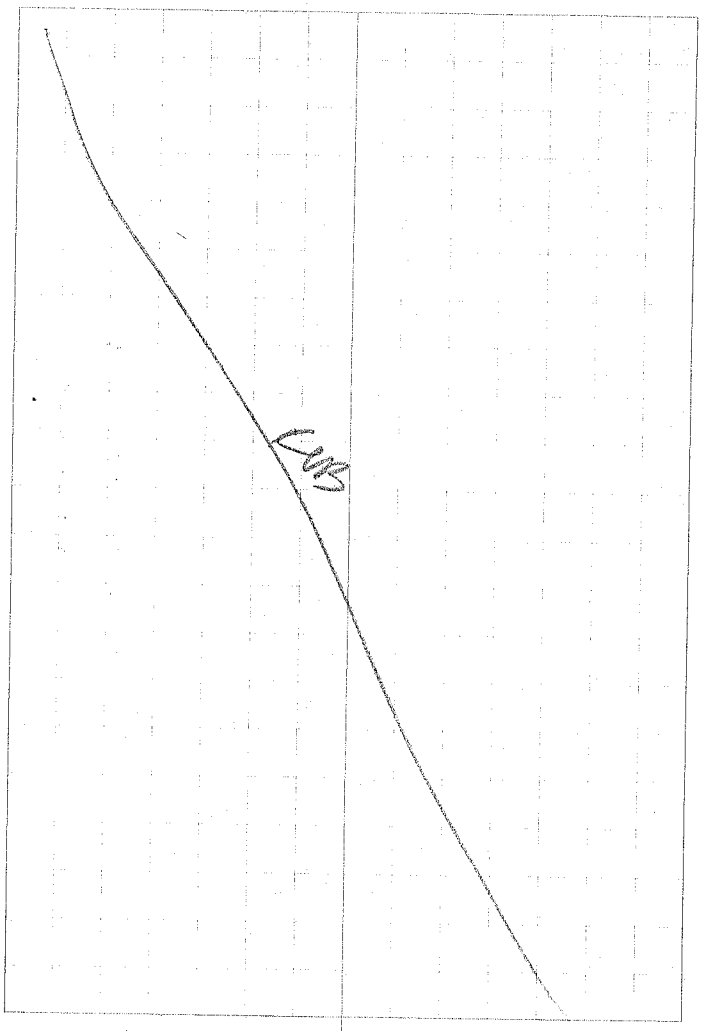
930 JME called
- Two more samples from AES Dump (Add TT's)
- Two from RR
- One from disturbance area

1300 KCB + SDE offsite

Location AMF Date 4/9/10

Project / Client

KCB



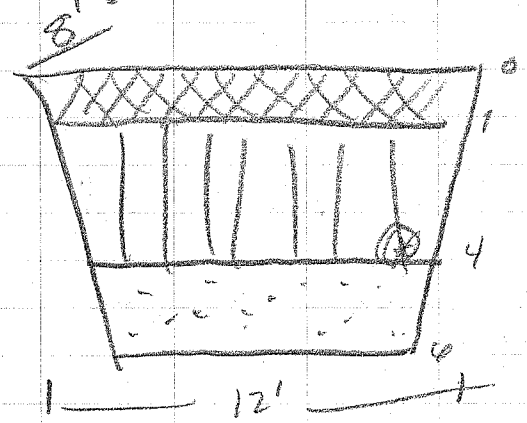
48

Location AMF - TT6 Date 4/9/10

Project / Client UMore

KLB

145 Begin @ AMF-TT6A



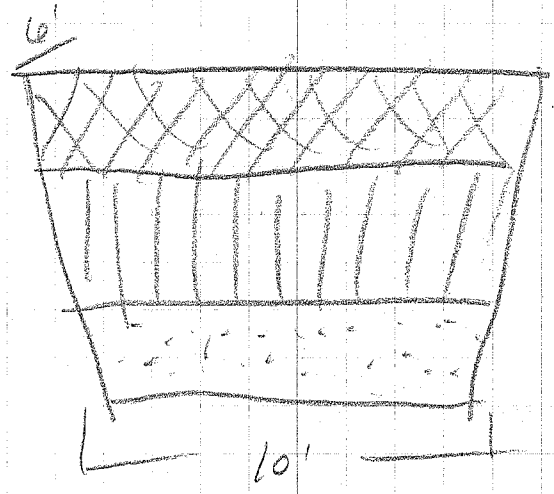
49

Location AMF - TT6 Date 4/9/10

Project / Client

KLB

AMF-TT6B



50

Location AUF Date 4/9/10

Project / Client UMore

KCB

ID	s/d	PID
AUF-TT6A	n/a	0.0
AUF-TT6B	n/a	0.0
AUF-TT7A	n/a	0.0
AUF-TT7-0.5'	n/a	0.0
* Collected Sample from AUF-TT7B		
AUF-TT8A	n/a	0.0
AUF-TT8B	n/a	0.0
AUF-TT9-0.5-1 from AUF-TT9A	n/a	0.0
AUF-TT9-1.5-2 from AUF-TT9B	n/a	0.0
AUF-TT17-3-4'		0.0
AUF-TT18		0.0

51

Location AUF Date 4/9/10

Project / Client

Evans

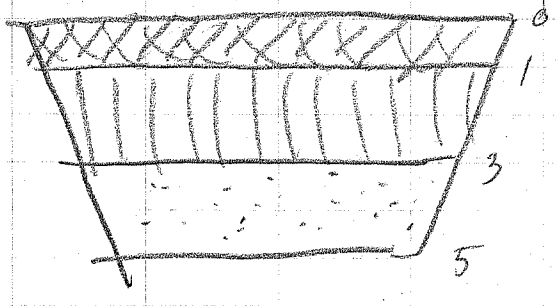
Bkg d	Rebar's	Description
0.0	0	Yel brn ML
0.0	0	Dk brn loamy topsoil
0.0	0	Lt brn SP w/ gravel
0.0	0	Dk brn loamy topsoil
0.0	0	Lt brn SP
0.0	0	Yel brn ML
	0	Reworked Native
	0	SP (native)
		Reworked native
		SM fill

Location AUF-TT 7 Date 4/9/10

Project / Client UMaine

KCB

1330 begin @ AUF-TT 7A



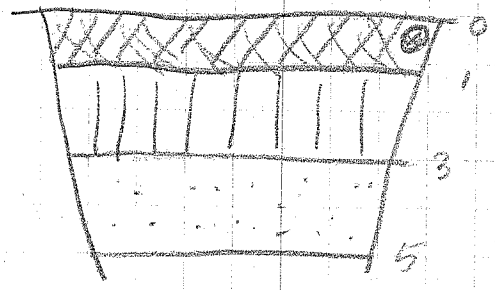
* Concrete debris and rock similar to blast rock used in RE beds observed @ surface

Location AUF-TT7 Date 4/9/10

Project / Client

KCB

AUF-TT 7B

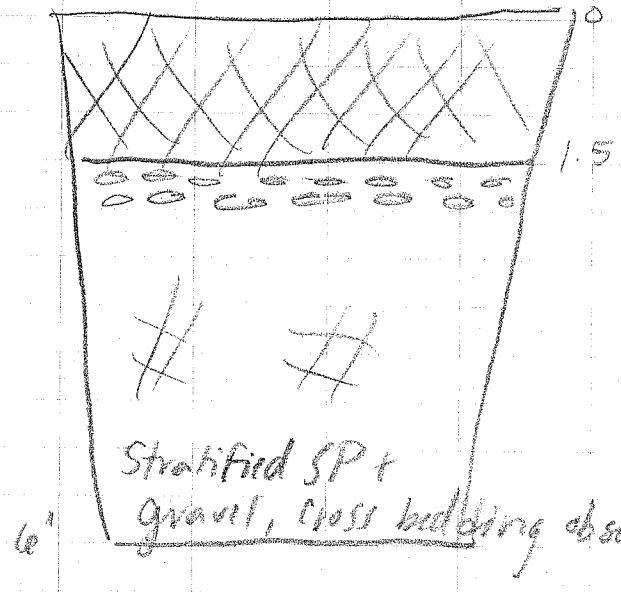


⊗ Collected sample below surface concrete debris

Location AUF-TT8 Date 4/9/10

Project / Client KUB

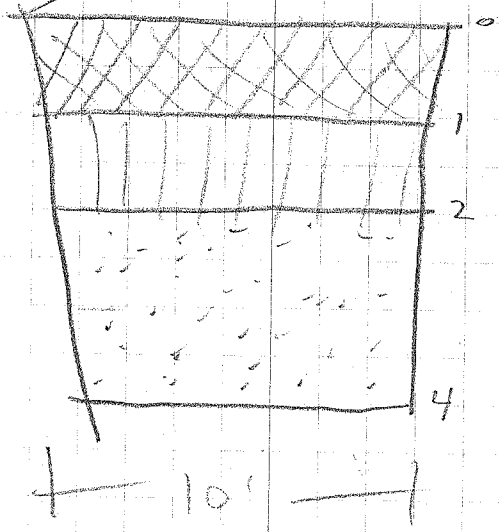
~~AM~~ 9/5 Begin @ AUF-TT8A



Location AUF-TT8 Date 4/9/10

Project / Client KUB

AUF-TT8B



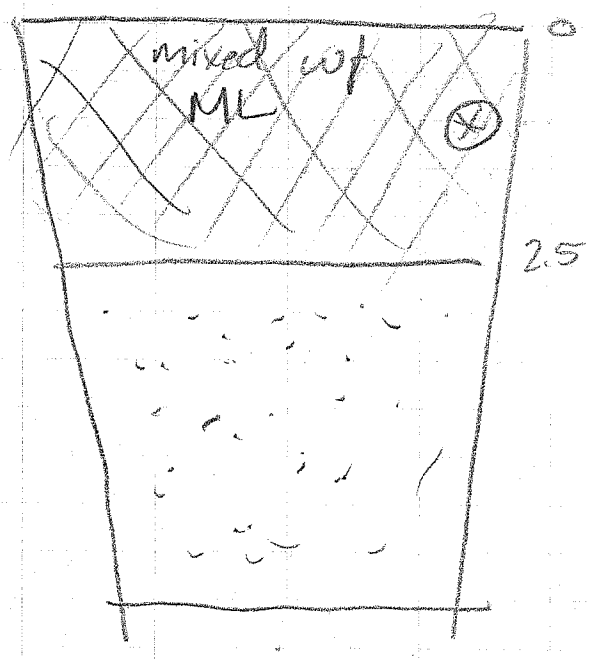
56

Location AMF-TT9 Date 4/9/10

Project / Client

KMB

0930 Begin @ AMF-TT9A



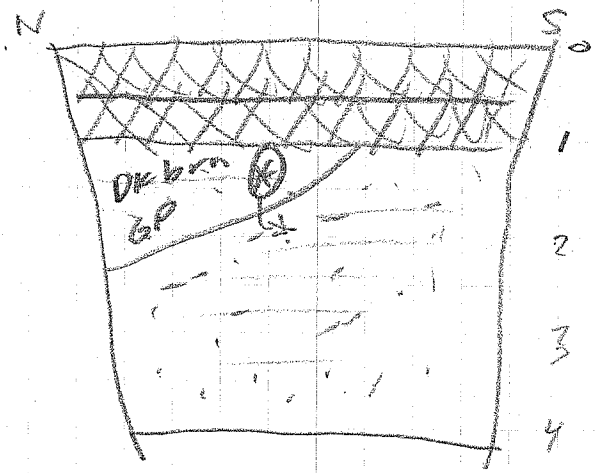
57

Location AMF-TT9 Date 4/9/10

Project / Client

KMB

AMF-TT9B



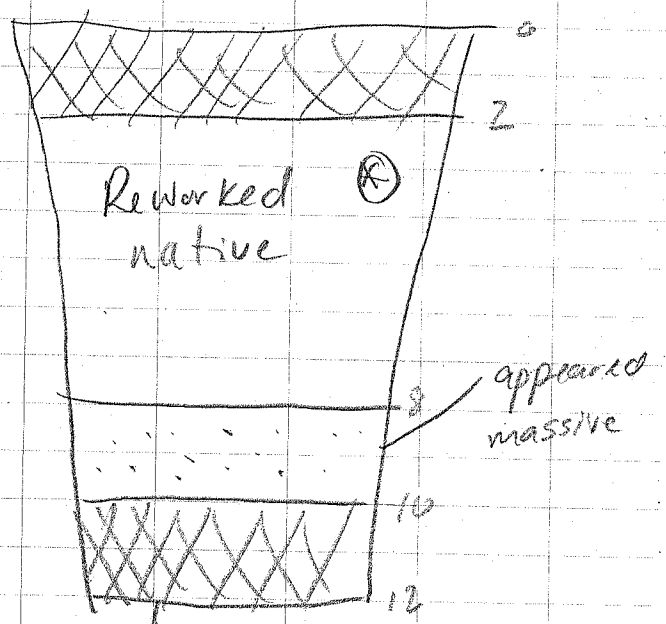
58

Location AMF-TT17 Date 4/9/10

Project / Client

KWS

1030 Begin @ AMF-TT17 (Additional test trench @ AES Dump)



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

1055 Backfill Complete

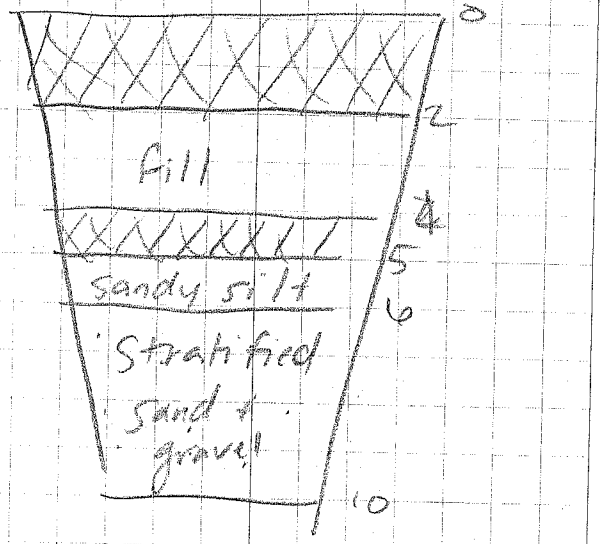
59

Location AMF-TT18 Date 4/9/10

Project / Client

KWS

1100 Begin @ AMF-TT18 (Additional TT @ AES Dump)



1120 Backfill complete

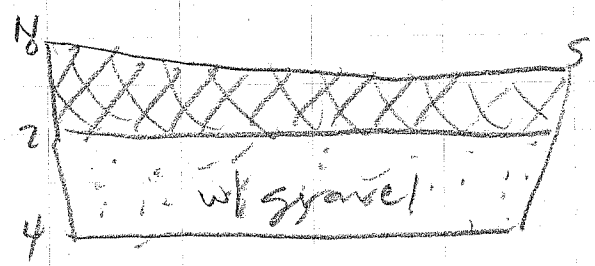
60

Location AUF-TT13 Date 4/9/10

Project / Client

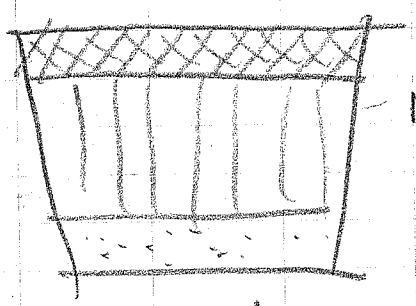
KEB

1125 Begin @ AUF-TT13



1135 Backfilled

1145 Begin @ AUF-TT16



No evidence of petrol impacts

1155 Backfilled

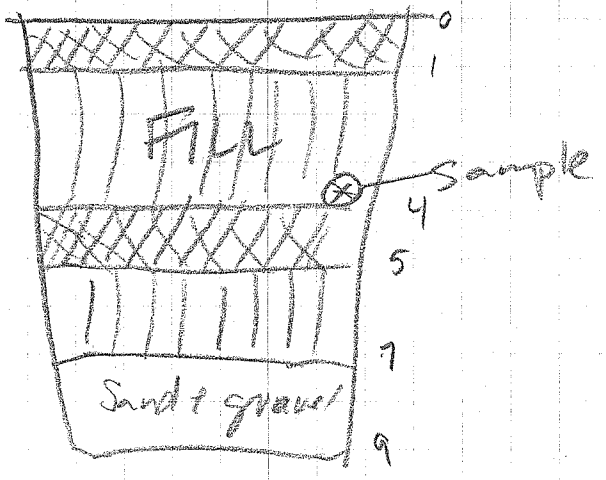
61

Location AUF-TT13 Date 4/9/10

Project / Client

KEB

1200 Begin AUF-TT19



62

Location AUF Date 4/09/10

Project / Client

KMB

ID	o/d	PID
AUF-TT13	n/m	0.0
AUF-TT14	n/m	0.0
	n/m	0.0
	n/m	0.0
AUF-TT19-3.5-4'	n/m	0.0
AUF-TT2	n/m	0.0
* Sample of reworked native		
AUF-TT1	n/m	0.0
* Sample in RR. bed fill below assumed		

63

Location AUF Date 4/9/10

Project / Client

KMB

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

LEGEND
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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
wdahl@legend-group.com

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

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.

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

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	

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

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	

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

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	

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

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	"	"	"	"	

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

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 %*		"	"	"	"	

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

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										
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	"	"	"	"	

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

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 %*		"	"	"	"	

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

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										
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	"	"	"	"	

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

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 %*		"	"	"	"	

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

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	"	"	"	"	

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

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 %*		"	"	"	"	

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

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	"	"	"	"	

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

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 %*		"	"	"	"	

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

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	"	"	"	"	

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

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 %*		"	"	"	"	

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

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	"	"	"	"	

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

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 %*		"	"	"	"	

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

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	"	"	"	"	

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

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 %*		"	"	"	"	

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

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	"	"	"	"	

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

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 %*		"	"	"	"	

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

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	"	"	"	"	

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

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 %*		"	"	"	"	

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

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	

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

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

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

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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							

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

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

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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*			

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

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

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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			
Surrogate: 2,4,6-Tribromophenol	*4.49*			*mg/kg wet*	*6.67*		*67.3*	*53-107*			
Surrogate: 2-Fluorobiphenyl	*4.46*			*mg/kg wet*	*6.67*		*66.9*	*53.9-97.9*			
Surrogate: 2-Fluorophenol	*4.39*			*mg/kg wet*	*6.67*		*65.9*	*42.5-94.9*			
Surrogate: Nitrobenzene-d5	*4.54*			*mg/kg wet*	*6.67*		*68.0*	*48.9-100*			
Surrogate: Phenol-d6	*4.86*			*mg/kg wet*	*6.67*		*72.9*	*50.4-99.6*			
Surrogate: Terphenyl-d14	*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			

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

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

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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*			

LEGEND Technical Services, Inc.
www.legend-group.com

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

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

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)

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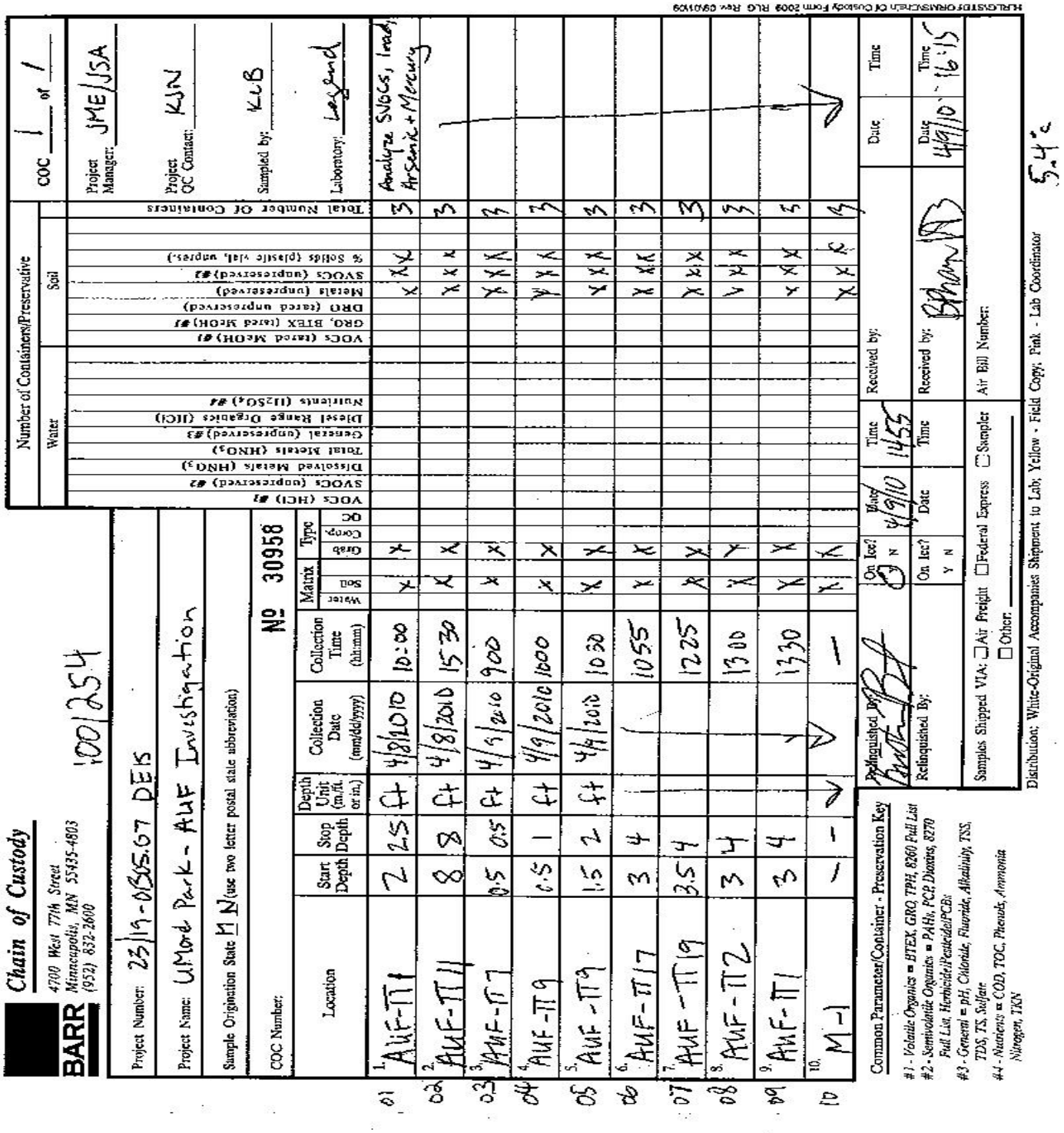

Chain of Custody

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

100/254

Project Number: 23/19-0505.07 DES

Project Name: Mod Park - AUF Investigation

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

COC Number: № 30958

	Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix: Water	Matrix: Soil	Type: Grab	Type: Comp.	Type: QC	VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO_3)	Total Metals (HNO_3)	General (unpreserved) #3	Diesel Range Organics (DRO)	Nutrients (H_2SO_4) #4	VOCs (Iared MeOH) #1	GRO, BTEX (Iared MeOH) #1	DRO (Iared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Number Of Containers
01	1. AUF-TT11	2	2.5	ft	4/8/2010	10:00		X	X				X										X	X	3
02	2. AUF-TT11	8	8	ft	4/8/2010	15:30		X	X				X										X	X	3
03	3. AUF-TT7	0.5	0.5	ft	4/6/2010	9:00		X	X				X										X	X	3
04	4. AUF-TT9	0.5	1	ft	4/9/2010	10:00		X	X				X										X	X	3
05	5. AUF-TT9	1.5	2	ft	4/9/2010	10:20		X	X				X										X	X	3
06	6. AUF-TT17	3	4		/	10:55		X	X				X										X	X	3
07	7. AUF-TT9	3.5	4			12:25		X	X				X										X	X	3
08	8. AUF-TT2	3	4			13:00		X	X				X										X	X	3
09	9. AUF-TT1	3	4			13:30		X	X				X										X	X	3
10	M-1	-	-		V	—		X	X				X										X	X	3

Number of Container/Preservative — Water / Soil

Project Manager: JME/JSA

Project QC Contact: KJN

Sampled by: KLB

Laboratory: Legend

Analyze SVOCs, Iead, Arsenic + Mercury

COC 1 of 1

Common Parameter/Container - Preservation Key

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

Relinquished By: [signature] Date 4/9/10 Time 1455 On Ice? Y N

Received by: [signature] Date Time

Relinquished By: Date Time On Ice? Y N

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

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

Air Bill Number:

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

5.4°C

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

INVOICE

LEGEND Technical Services, Inc.
www.legend-group.com

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

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

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

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

Client Manager:	Terri Olson	Customer ID:	BARR
Received:	04/09/10	PO Number:	23190B05.07 DE15
Terms:	Net 30 days	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

VISA MasterCard
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.