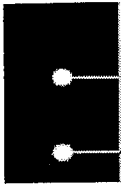


ERO



LEGEND

Technical Services, Inc.

www.legend-group.com

775 Vandalia Street
St. Paul, MN 55114
Tel: 651.642.1150
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June 24, 2004

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

Duplicates

B2 → MW-3 (7.5-10)

B7 → MW-7 (0-2.5)

SS3 → MW-3 (0-0.5)

SS8 (0.5-1.0)

RECEIVED

JUN 28 2004

ENGINEERING CO.

Work Order Number: 0401128
RE: 23/69-823INV240

WATER FRONT PROPERTY

Enclosed are the results of analyses for samples received by the laboratory on 06/04/04. If you have any questions concerning this report, please feel free to contact me.

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

Minnesota Certification # 027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

Chris Bremer
Laboratory Director

Terri Olson
QA/QC Coordinator

LEGEND Technical Services, Inc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

 Project: 23/69-823INV240
 Project Number: 23/68-823INV240
 Project Manager: Mr. Ward Swanson

 Date Reported:
 June 24, 2004

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B7 0-1.0	0401128-01	Soil	06/02/04 07:43	06/04/04 10:58
B7 2.5-5	0401128-02	Soil	06/02/04 07:48	06/04/04 10:58
MW7 0-2.5	0401128-03	Soil	06/02/04 07:46	06/04/04 10:58
B5 0-2.5	0401128-04	Soil	06/02/04 09:38	06/04/04 10:58
B5 5-7.5	0401128-05	Soil	06/02/04 09:49	06/04/04 10:58
MW3 7.5-10	0401128-06	Soil	06/02/04 14:14	06/04/04 10:58
B6 2.5-5	0401128-07	Soil	06/02/04 10:19	06/04/04 10:58
SS5 0-1	0401128-08	Soil	06/02/04 10:47	06/04/04 10:58
B8 7.5-10	0401128-09	Soil	06/02/04 11:02	06/04/04 10:58
SS4 0-0.5	0401128-10	Soil	06/02/04 15:28	06/04/04 10:58
SS3 0-0.5	0401128-11	Soil	06/02/04 13:51	06/04/04 10:58
B2 7.5-10	0401128-12	Soil	06/02/04 14:12	06/04/04 10:58
MW3 0-0.5	0401128-13	Soil	06/02/04 13:52	06/04/04 10:58
SS8 0.5-10	0401128-15	Soil	06/02/04 12:13	06/04/04 10:58
B3 0.5-2.5	0401128-16	Soil	06/02/04 12:49	06/04/04 10:58
SS9	0401128-17	Soil	06/02/04 15:46	06/04/04 10:58
SS1 0-0.05	0401128-18	Soil	06/02/04 15:03	06/04/04 10:58
SS2 0-0.5'	0401128-20	Soil	06/02/04 14:42	06/04/04 10:58
SS6 0.5-1.0	0401128-21	Soil	06/02/04 11:46	06/04/04 10:58
FB	0401128-23	Liquid	06/02/04 00:00	06/04/04 10:58
Trip Blank	0401128-24	Soil	06/02/04 00:00	06/04/04 10:58
SS-8 0.5-1.0 Dup	0401128-25	Soil	06/02/04 12:13	06/04/04 10:58

Shipping container information

Default Cooler

Temperature: 4.0

 Received on ice: Yes
 Received on melt water: No
 Custody seals: No

 Temperature blank was present
 Ambient: No

 Received on blue ice: No
 Acceptable (IH/ISO only): No

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June 24, 2004

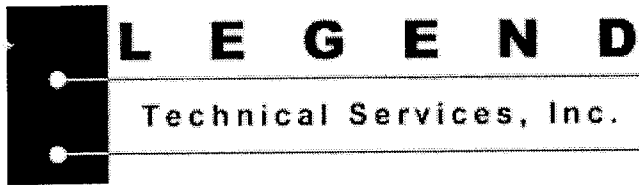
Case Narrative:

Sample 0401128-23 for SVOC analysis had one surrogate above the laboratory control limits. There were no target analytes present in this sample, therefore, there should be no data bias. This field blank sample was extracted past the method holding time of 7 days at the request of the client. Surrogate recoveries for the associated batch blank were below laboratory limits due to the presence of water in the extract. There was no sample available for re-extraction.

Acenaphthene recovery was slightly below laboratory limits in the SVOC water Blank Spike. It was within limits in the Blank Spike Duplicate. There was no sample available for a Matrix Spike.

DRO sample SS8 0.5-1.0 was reextracted past the recommended holding time due to low surrogate recovery in the initial extraction. The reextracted results are reported here.

Recovery for barium in the MS sample of B7 2.5-5 was below laboratory limits. Recoveries for lead in the MS/MSD of this sample exceeded limits due to high concentrations of analyte present. Recoveries were within limits in the LCS/LCSD samples.



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Date Reported:
June 24, 2004

DRO/8015B
LEGEND Technical Services, Inc

Analyte	Reporting Result	Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B6 2.5-5 (0401128-07) Soil Sampled: 06/02/04 10:19 Received: 06/04/04 10:58										
Diesel Range Organics	<9.9	9.9	1.6	mg/kg dry	1	B4F0908	06/09/04	06/16/04	Wisc Mod DRO	
Surrogate: C-30	67.0			60-130 %		"	"	"	"	
SS8 0.5-10 (0401128-15) Soil Sampled: 06/02/04 12:13 Received: 06/04/04 10:58										
Diesel Range Organics	19	12	1.9	mg/kg dry	1	B4F0908	06/09/04	06/16/04	Wisc Mod DRO	
Surrogate: C-30	42.4			60-130 %		"	"	"	"	S-02
SS8 0.5-10 (0401128-15RE1) Soil Sampled: 06/02/04 12:13 Received: 06/04/04 10:58										
Diesel Range Organics	43	7.9	1.3	mg/kg dry	1	B4F1710	06/17/04	06/18/04	Wisc Mod DRO	QC-4 A, L1
Surrogate: C-30	107			60-130 %		"	"	"	"	
SS-8 0.5-1.0 Dup (0401128-25) Soil Sampled: 06/02/04 12:13 Received: 06/04/04 10:58										
Diesel Range Organics	31	8.0	1.3	mg/kg wet	1	B4F0908	06/09/04	06/17/04	Wisc Mod DRO	A, L1
Surrogate: C-30	61.4			60-130 %		"	"	"	"	

LEGEND

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Date Reported:
June 24, 2004

TOTAL METALS ANALYSIS LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
B7 2.5-5 (0401128-02) Soil Sampled: 06/02/04 07:48 Received: 06/04/04 10:58										
Mercury	0.16	0.11	0.0038	mg/kg dry	1	B4F1103	06/11/04	06/11/04	EPA 7471A	
Arsenic	5.2	0.56	0.12	mg/kg dry	1	B4F1101	06/11/04	06/11/04	EPA 6010B	
Barium	120	1.1	0.16	mg/kg dry	1	"	"	"	"	
Cadmium	1.2	0.28	0.0053	mg/kg dry	1	"	"	"	"	
Chromium	16	0.56	0.010	mg/kg dry	1	"	"	"	"	
Lead	290	1.1	0.026	mg/kg dry	1	"	"	"	"	
Selenium	<0.56	0.56	0.15	mg/kg dry	1	"	"	"	"	
Silver	<0.28	0.28	0.024	mg/kg dry	1	"	"	"	"	
B5 0-2.5 (0401128-04) Soil Sampled: 06/02/04 09:38 Received: 06/04/04 10:58										
Mercury	<0.12	0.12	0.0041	mg/kg dry	1	B4F1103	06/11/04	06/11/04	EPA 7471A	
Arsenic	15	0.61	0.13	mg/kg dry	1	B4F1101	06/11/04	06/11/04	EPA 6010B	
Barium	52	1.2	0.17	mg/kg dry	1	"	"	"	"	
Cadmium	0.34	0.30	0.0057	mg/kg dry	1	"	"	"	"	
Chromium	20	0.61	0.011	mg/kg dry	1	"	"	"	"	
Lead	48	1.2	0.028	mg/kg dry	1	"	"	"	"	
Selenium	<0.61	0.61	0.16	mg/kg dry	1	"	"	"	"	
Silver	<0.30	0.30	0.025	mg/kg dry	1	"	"	"	"	
SS5 0-1 (0401128-08) Soil Sampled: 06/02/04 10:47 Received: 06/04/04 10:58										
Mercury	<0.12	0.12	0.0041	mg/kg dry	1	B4F1103	06/11/04	06/11/04	EPA 7471A	
Arsenic	2.8	0.60	0.13	mg/kg dry	1	B4F1101	06/11/04	06/11/04	EPA 6010B	
Barium	69	1.2	0.17	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.0056	mg/kg dry	1	"	"	"	"	
Chromium	15	0.60	0.011	mg/kg dry	1	"	"	"	"	
Lead	17	1.2	0.028	mg/kg dry	1	"	"	"	"	
Selenium	<0.60	0.60	0.16	mg/kg dry	1	"	"	"	"	
Silver	<0.30	0.30	0.025	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
B8 7.5-10 (0401128-09) Soil Sampled: 06/02/04 11:02 Received: 06/04/04 10:58										
Mercury	<0.16	0.16	0.0053	mg/kg dry	1	B4F1103	06/11/04	06/11/04	EPA 7471A	
Arsenic	1.4	0.78	0.17	mg/kg dry	1	B4F1101	06/11/04	06/11/04	EPA 6010B	
Barium	21	1.6	0.22	mg/kg dry	1	"	"	"	"	
Cadmium	<0.39	0.39	0.0073	mg/kg dry	1	"	"	"	"	
Chromium	5.5	0.78	0.014	mg/kg dry	1	"	"	"	"	
Lead	1.8	1.6	0.036	mg/kg dry	1	"	"	"	"	
Selenium	<0.78	0.78	0.20	mg/kg dry	1	"	"	"	"	
Silver	<0.39	0.39	0.033	mg/kg dry	1	"	"	"	"	
SS4 0-0.5 (0401128-10) Soil Sampled: 06/02/04 15:28 Received: 06/04/04 10:58										
Mercury	0.61	0.11	0.0037	mg/kg dry	1	B4F1103	06/11/04	06/11/04	EPA 7471A	
Arsenic	3.8	0.54	0.12	mg/kg dry	1	B4F1101	06/11/04	06/11/04	EPA 6010B	
Barium	33	1.1	0.15	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.0051	mg/kg dry	1	"	"	"	"	
Chromium	30	0.54	0.0097	mg/kg dry	1	"	"	"	"	
Lead	30	1.1	0.025	mg/kg dry	1	"	"	"	"	
Selenium	<0.54	0.54	0.14	mg/kg dry	1	"	"	"	"	
Silver	<0.27	0.27	0.023	mg/kg dry	1	"	"	"	"	
SS3 0-0.5 (0401128-11) Soil Sampled: 06/02/04 13:51 Received: 06/04/04 10:58										
Mercury	<0.11	0.11	0.0037	mg/kg dry	1	B4F1103	06/11/04	06/11/04	EPA 7471A	
Arsenic	2.7	0.55	0.12	mg/kg dry	1	B4F1101	06/11/04	06/11/04	EPA 6010B	
Barium	29	1.1	0.15	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.0052	mg/kg dry	1	"	"	"	"	
Chromium	23	0.55	0.0099	mg/kg dry	1	"	"	"	"	
Lead	12	1.1	0.025	mg/kg dry	1	"	"	"	"	
Selenium	<0.55	0.55	0.14	mg/kg dry	1	"	"	"	"	
Silver	<0.27	0.27	0.023	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW3 0-0.5 (0401128-13) Soil Sampled: 06/02/04 13:52 Received: 06/04/04 10:58										
Mercury	<0.11	0.11	0.0036	mg/kg dry	1	B4F1103	06/11/04	06/11/04	EPA 7471A	
Arsenic	3.5	0.53	0.12	mg/kg dry	1	B4F1101	06/11/04	06/11/04	EPA 6010B	
Barium	28	1.1	0.15	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.0050	mg/kg dry	1	"	"	"	"	
Chromium	28	0.53	0.0096	mg/kg dry	1	"	"	"	"	
Lead	13	1.1	0.024	mg/kg dry	1	"	"	"	"	
Selenium	<0.53	0.53	0.14	mg/kg dry	1	"	"	"	"	
Silver	<0.27	0.27	0.022	mg/kg dry	1	"	"	"	"	
SS8 0.5-10 (0401128-15) Soil Sampled: 06/02/04 12:13 Received: 06/04/04 10:58										
Mercury	<0.11	0.11	0.0038	mg/kg dry	1	B4F1103	06/11/04	06/11/04	EPA 7471A	
Arsenic	4.3	0.56	0.12	mg/kg dry	1	B4F1101	06/11/04	06/11/04	EPA 6010B	
Barium	110	1.1	0.16	mg/kg dry	1	"	"	"	"	
Cadmium	0.37	0.28	0.0052	mg/kg dry	1	"	"	"	"	
Chromium	43	0.56	0.010	mg/kg dry	1	"	"	"	"	
Lead	48	1.1	0.026	mg/kg dry	1	"	"	"	"	
Selenium	<0.56	0.56	0.14	mg/kg dry	1	"	"	"	"	
Silver	0.55	0.28	0.023	mg/kg dry	1	"	"	"	"	
B3 0.5-2.5 (0401128-16) Soil Sampled: 06/02/04 12:49 Received: 06/04/04 10:58										
Mercury	<0.11	0.11	0.0037	mg/kg dry	1	B4F1103	06/11/04	06/11/04	EPA 7471A	
Arsenic	3.2	0.54	0.12	mg/kg dry	1	B4F1101	06/11/04	06/11/04	EPA 6010B	
Barium	47	1.1	0.15	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.0051	mg/kg dry	1	"	"	"	"	
Chromium	8.1	0.54	0.0097	mg/kg dry	1	"	"	"	"	
Lead	26	1.1	0.025	mg/kg dry	1	"	"	"	"	
Selenium	<0.54	0.54	0.14	mg/kg dry	1	"	"	"	"	
Silver	<0.27	0.27	0.023	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS9 (0401128-17) Soil Sampled: 06/02/04 15:46 Received: 06/04/04 10:58										
Mercury	<0.12	0.12	0.0040	mg/kg dry	1	B4F1103	06/11/04	06/11/04	EPA 7471A	
Arsenic	2.3	0.58	0.13	mg/kg dry	1	B4F1101	06/11/04	06/11/04	EPA 6010B	
Barium	24	1.2	0.16	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.0055	mg/kg dry	1	"	"	"	"	
Chromium	19	0.58	0.011	mg/kg dry	1	"	"	"	"	
Lead	6.5	1.2	0.027	mg/kg dry	1	"	"	"	"	
Selenium	<0.58	0.58	0.15	mg/kg dry	1	"	"	"	"	
Silver	<0.29	0.29	0.025	mg/kg dry	1	"	"	"	"	
SS1 0-0.05 (0401128-18) Soil Sampled: 06/02/04 15:03 Received: 06/04/04 10:58										
Mercury	<0.11	0.11	0.0037	mg/kg dry	1	B4F1103	06/11/04	06/11/04	EPA 7471A	
Arsenic	1.5	0.55	0.12	mg/kg dry	1	B4F1101	06/11/04	06/11/04	EPA 6010B	
Barium	13	1.1	0.15	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.0052	mg/kg dry	1	"	"	"	"	
Chromium	7.1	0.55	0.0099	mg/kg dry	1	"	"	"	"	
Lead	4.8	1.1	0.025	mg/kg dry	1	"	"	"	"	
Selenium	<0.55	0.55	0.14	mg/kg dry	1	"	"	"	"	
Silver	<0.27	0.27	0.023	mg/kg dry	1	"	"	"	"	
SS2 0-0.5' (0401128-20) Soil Sampled: 06/02/04 14:42 Received: 06/04/04 10:58										
Mercury	<0.11	0.11	0.0038	mg/kg dry	1	B4F1103	06/11/04	06/11/04	EPA 7471A	
Arsenic	2.5	0.56	0.12	mg/kg dry	1	B4F1101	06/11/04	06/11/04	EPA 6010B	
Barium	27	1.1	0.16	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.0053	mg/kg dry	1	"	"	"	"	
Chromium	21	0.56	0.010	mg/kg dry	1	"	"	"	"	
Lead	16	1.1	0.026	mg/kg dry	1	"	"	"	"	
Selenium	<0.56	0.56	0.15	mg/kg dry	1	"	"	"	"	
Silver	<0.28	0.28	0.024	mg/kg dry	1	"	"	"	"	

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TOTAL METALS ANALYSIS LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
SS6 0.5-1.0 (0401128-21) Soil Sampled: 06/02/04 11:46 Received: 06/04/04 10:58										
Mercury	<0.12	0.12	0.0041	mg/kg dry	1	B4F1103	06/11/04	06/11/04	EPA 7471A	
Arsenic	2.7	0.61	0.13	mg/kg dry	1	B4F1101	06/11/04	06/11/04	EPA 6010B	
Barium	35	1.2	0.17	mg/kg dry	1	"	"	"	"	
Cadmium	<0.30	0.30	0.0057	mg/kg dry	1	"	"	"	"	
Chromium	24	0.61	0.011	mg/kg dry	1	"	"	"	"	
Lead	35	1.2	0.028	mg/kg dry	1	"	"	"	"	
Selenium	<0.61	0.61	0.16	mg/kg dry	1	"	"	"	"	
Silver	<0.30	0.30	0.026	mg/kg dry	1	"	"	"	"	
FB (0401128-23) Liquid Sampled: 06/02/04 00:00 Received: 06/04/04 10:58										
Mercury	<0.00020	0.00020	0.000034	mg/L	1	B4F1405	06/14/04	06/15/04	EPA 7470A	
Arsenic	<0.010	0.010	0.0022	mg/L	1	B4F1403	06/14/04	06/14/04	EPA 6010B	
Barium	<0.020	0.020	0.0028	mg/L	1	"	"	"	"	
Cadmium	<0.0010	0.0010	0.000093	mg/L	1	"	"	"	"	
Chromium	<0.010	0.010	0.00018	mg/L	1	"	"	"	"	
Lead	<0.0030	0.0030	0.00046	mg/L	1	"	"	"	"	
Selenium	<0.010	0.010	0.0026	mg/L	1	"	"	"	"	
Silver	<0.0050	0.0050	0.00042	mg/L	1	"	"	"	"	

LEGEND

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PERCENT SOLIDS LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
B7 0-1.0 (0401128-01) Soil Sampled: 06/02/04 07:43 Received: 06/04/04 10:58										
% Solids	88			%	1	B4F1008	06/10/04	06/11/04	% calculation	
B7 2.5-5 (0401128-02) Soil Sampled: 06/02/04 07:48 Received: 06/04/04 10:58										
% Solids	88			%	1	B4F1401	06/14/04	06/14/04	% calculation	
MW7 0-2.5 (0401128-03) Soil Sampled: 06/02/04 07:46 Received: 06/04/04 10:58										
% Solids	88			%	1	B4F1008	06/10/04	06/11/04	% calculation	
B5 0-2.5 (0401128-04) Soil Sampled: 06/02/04 09:38 Received: 06/04/04 10:58										
% Solids	82			%	1	B4F1401	06/14/04	06/14/04	% calculation	
B5 5-7.5 (0401128-05) Soil Sampled: 06/02/04 09:49 Received: 06/04/04 10:58										
% Solids	80			%	1	B4F1008	06/10/04	06/11/04	% calculation	
MW3 7.5-10 (0401128-06) Soil Sampled: 06/02/04 14:14 Received: 06/04/04 10:58										
% Solids	<i>Duplicate</i> 82			%	1	B4F1008	06/10/04	06/11/04	% calculation	
B6 2.5-5 (0401128-07) Soil Sampled: 06/02/04 10:19 Received: 06/04/04 10:58										
% Solids	81			%	1	B4F1008	06/10/04	06/11/04	% calculation	
SS5 0-1 (0401128-08) Soil Sampled: 06/02/04 10:47 Received: 06/04/04 10:58										
% Solids	84			%	1	B4F1401	06/14/04	06/14/04	% calculation	
B8 7.5-10 (0401128-09) Soil Sampled: 06/02/04 11:02 Received: 06/04/04 10:58										
% Solids	64			%	1	B4F1008	06/10/04	06/11/04	% calculation	

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Barr Engineering Co.
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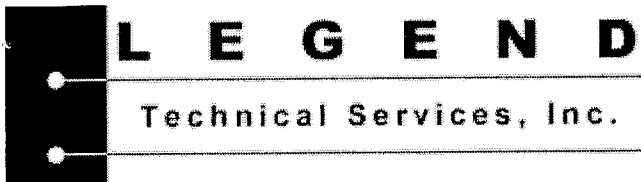
Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:

June 24, 2004

PERCENT SOLIDS LEGEND Technical Services, Inc

Analyte	Reporting Result	Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS4 0-0.5 (0401128-10) Soil Sampled: 06/02/04 15:28 Received: 06/04/04 10:58										
% Solids	92			%	1	B4F1401	06/14/04	06/14/04	% calculation	
SS3 0-0.5 (0401128-11) Soil Sampled: 06/02/04 13:51 Received: 06/04/04 10:58										
% Solids	91			%	1	B4F1008	06/10/04	06/11/04	% calculation	
B2 7.5-10 (0401128-12) Soil Sampled: 06/02/04 14:12 Received: 06/04/04 10:58										
% Solids	85			%	1	B4F1008	06/10/04	06/11/04	% calculation	
MW3 0-0.5 (0401128-13) Soil Sampled: 06/02/04 13:52 Received: 06/04/04 10:58										
% Solids Duplicate	94			%	1	B4F1401	06/14/04	06/14/04	% calculation	
SS8 0.5-10 (0401128-15) Soil Sampled: 06/02/04 12:13 Received: 06/04/04 10:58										
% Solids	90			%	1	B4F1008	06/10/04	06/11/04	% calculation	
B3 0.5-2.5 (0401128-16) Soil Sampled: 06/02/04 12:49 Received: 06/04/04 10:58										
% Solids	93			%	1	B4F1401	06/14/04	06/14/04	% calculation	
SS9 (0401128-17) Soil Sampled: 06/02/04 15:46 Received: 06/04/04 10:58										
% Solids	86			%	1	B4F1401	06/14/04	06/14/04	% calculation	
SS1 0-0.05 (0401128-18) Soil Sampled: 06/02/04 15:03 Received: 06/04/04 10:58										
% Solids	91			%	1	B4F1008	06/10/04	06/11/04	% calculation	
SS2 0-0.5' (0401128-20) Soil Sampled: 06/02/04 14:42 Received: 06/04/04 10:58										
% Solids	89			%	1	B4F1401	06/14/04	06/14/04	% calculation	



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Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

PERCENT SOLIDS
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Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
SS6 0.5-1.0 (0401128-21) Soil Sampled: 06/02/04 11:46 Received: 06/04/04 10:58										
% Solids	82			%	1	B4F1401	06/14/04	06/14/04	% calculation	

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Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
B7 0-1.0 (0401128-01) Soil Sampled: 06/02/04 07:43 Received: 06/04/04 10:58										
1,2,4-Trichlorobenzene	<0.38	0.38	0.050	mg/kg dry	1	B4F1002	06/09/04	06/11/04	EPA 8270C	
1,2-Dichlorobenzene	<0.38	0.38	0.049	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.38	0.38	0.044	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.38	0.38	0.059	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.38	0.38	0.061	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.38	0.38	0.072	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.38	0.38	0.064	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.38	0.38	0.062	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.38	0.38	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.38	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.38	0.38	0.059	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.38	0.38	0.060	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.38	0.38	0.064	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.38	0.38	0.050	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.38	0.38	0.053	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.38	0.38	0.065	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.38	0.38	0.11	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.38	0.38	0.062	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.38	0.38	0.055	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<1.8	1.8	0.59	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.38	0.38	0.089	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.38	0.38	0.099	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.38	0.38	0.050	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.38	0.38	0.061	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.38	0.38	0.090	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.38	0.38	0.050	mg/kg dry	1	"	"	"	"	
4-Methylphenol	<0.38	0.38	0.10	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.38	0.38	0.084	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.38	0.38	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.38	0.38	0.049	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.38	0.38	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.38	0.38	0.086	mg/kg dry	1	"	"	"	"	

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4700 W 77th St
Minneapolis MN, 55435

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
B7 0-1.0 (0401128-01) Soil Sampled: 06/02/04 07:43 Received: 06/04/04 10:58										
Anthracene	<0.38	0.38	0.055	mg/kg dry	1	B4F1002	06/09/04	06/11/04	EPA 8270C	
Azobenzene	<0.38	0.38	0.052	mg/kg dry	1	"	"	"	"	
Benzidine	<4.2	4.2		mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.38	0.38	0.056	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.38	0.38	0.055	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.38	0.38	0.058	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.38	0.38	0.065	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	<0.38	0.38	0.055	mg/kg dry	1	"	"	"	"	
Benzoic acid	<0.38	0.38	0.069	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.38	0.38	0.088	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.38	0.38	0.055	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.38	0.38	0.077	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.38	0.38	0.052	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.38	0.38	0.093	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.38	0.38	0.093	mg/kg dry	1	"	"	"	"	
Carbazole	<0.38	0.38	0.055	mg/kg dry	1	"	"	"	"	
Chrysene	<0.38	0.38	0.062	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.38	0.38	0.064	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.38	0.38	0.049	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.38	0.38	0.074	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.38	0.38	0.058	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.38	0.38	0.11	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.38	0.38	0.069	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.45	0.38	0.065	mg/kg dry	1	"	"	"	"	
Fluorene	<0.38	0.38	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.38	0.38	0.050	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.38	0.38	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.38	0.38	0.039	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.38	0.38	0.051	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.38	0.38	0.062	mg/kg dry	1	"	"	"	"	
Isophorone	<0.38	0.38	0.076	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.38	0.38	0.051	mg/kg dry	1	"	"	"	"	

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Barr Engineering Co.
4700 W 77th St
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Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C LEGEND Technical Services, Inc

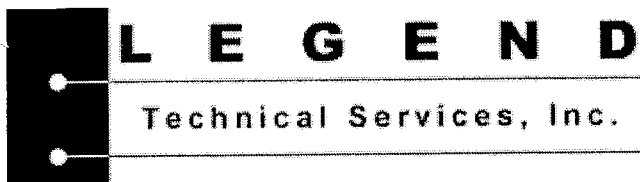
Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
B7 0-1.0 (0401128-01) Soil Sampled: 06/02/04 07:43 Received: 06/04/04 10:58										
Nitrobenzene	<0.38	0.38	0.053	mg/kg dry	1	B4F1002	06/09/04	06/11/04	EPA 8270C	
N-Nitrosodimethylamine	<0.38	0.38	0.052	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.38	0.38	0.050	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.38	0.38	0.064	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.38	0.38	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.38	0.38	0.061	mg/kg dry	1	"	"	"	"	
Phenol	<0.38	0.38	0.065	mg/kg dry	1	"	"	"	"	
Pyrene	<0.38	0.38	0.058	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	69.7			30-115 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.5			38.1-115 %		"	"	"	"	
Surrogate: 2-Fluorophenol	57.9			30-115 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.3			39.4-115 %		"	"	"	"	
Surrogate: Phenol-d5	63.9			30-115 %		"	"	"	"	
Surrogate: Terphenyl-d14	66.4			36.1-115 %		"	"	"	"	

MW7 0-2.5 (0401128-03RE1) Soil **Sampled: 06/02/04 07:46** **Received: 06/04/04 10:58**

1,2,4-Trichlorobenzene	<0.38	0.38	0.050	mg/kg dry	1	B4F1116	06/14/04	06/15/04	EPA 8270C	
1,2-Dichlorobenzene	<0.38	0.38	0.049	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.38	0.38	0.044	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.38	0.38	0.059	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.38	0.38	0.061	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.38	0.38	0.072	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.38	0.38	0.064	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.38	0.38	0.062	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.38	0.38	0.091	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.38	0.38	0.040	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.38	0.38	0.059	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.38	0.38	0.060	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.38	0.38	0.064	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.38	0.38	0.050	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.38	0.38	0.053	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.38	0.38	0.065	mg/kg dry	1	"	"	"	"	

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Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C
LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
MW7 0-2.5 (0401128-03RE1) Soil Sampled: 06/02/04 07:46 Received: 06/04/04 10:58										
2-Methylphenol	<0.38	0.38	0.11	mg/kg dry	1	B4F1116	06/14/04	06/15/04	EPA 8270C	
2-Nitroaniline	<0.38	0.38	0.062	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.38	0.38	0.055	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<1.8	1.8	0.59	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.38	0.38	0.089	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.38	0.38	0.099	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.38	0.38	0.050	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.38	0.38	0.061	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.38	0.38	0.090	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.38	0.38	0.050	mg/kg dry	1	"	"	"	"	
4-Methylphenol	<0.38	0.38	0.10	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.38	0.38	0.084	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.38	0.38	0.042	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.38	0.38	0.049	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.38	0.38	0.049	mg/kg dry	1	"	"	"	"	
Aniline	<0.38	0.38	0.086	mg/kg dry	1	"	"	"	"	
Anthracene	<0.38	0.38	0.055	mg/kg dry	1	"	"	"	"	
Azobenzene	<0.38	0.38	0.052	mg/kg dry	1	"	"	"	"	
Benzidine	<4.2	4.2		mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	0.38	0.38	0.056	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	0.39	0.38	0.055	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	0.48	0.38	0.058	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.38	0.38	0.065	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	<0.38	0.38	0.055	mg/kg dry	1	"	"	"	"	
Benzoic acid	<0.38	0.38	0.069	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.38	0.38	0.088	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.38	0.38	0.055	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.38	0.38	0.077	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.38	0.38	0.052	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.38	0.38	0.093	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.38	0.38	0.093	mg/kg dry	1	"	"	"	"	
Carbazole	<0.38	0.38	0.055	mg/kg dry	1	"	"	"	"	

Duplicate

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Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:

June 24, 2004

SVOC SOIL 8270C LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW7 0-2.5 (0401128-03RE1) Soil Sampled: 06/02/04 07:46 Received: 06/04/04 10:58										
Chrysene	0.45	0.38	0.062	mg/kg dry	1	B4F1116	06/14/04	06/15/04	EPA 8270C	
Dibenz (a,h) anthracene	<0.38	0.38	0.064	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.38	0.38	0.049	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.38	0.38	0.074	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.38	0.38	0.058	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.38	0.38	0.11	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.38	0.38	0.069	mg/kg dry	1	"	"	"	"	
Fluoranthene	0.88	0.38	0.065	mg/kg dry	1	"	"	"	"	
Fluorene	<0.38	0.38	0.039	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.38	0.38	0.050	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.38	0.38	0.047	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.38	0.38	0.039	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.38	0.38	0.051	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.38	0.38	0.062	mg/kg dry	1	"	"	"	"	
Isophorone	<0.38	0.38	0.076	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.38	0.38	0.051	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.38	0.38	0.053	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.38	0.38	0.052	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.38	0.38	0.050	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.38	0.38	0.064	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.38	0.38	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.42	0.38	0.061	mg/kg dry	1	"	"	"	"	
Phenol	<0.38	0.38	0.065	mg/kg dry	1	"	"	"	"	
Pyrene	0.71	0.38	0.058	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	69.5			30-115 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	72.0			38.1-115 %		"	"	"	"	
Surrogate: 2-Fluorophenol	58.1			30-115 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	71.2			39.4-115 %		"	"	"	"	
Surrogate: Phenol-d5	65.1			30-115 %		"	"	"	"	
Surrogate: Terphenyl-d14	69.0			36.1-115 %		"	"	"	"	

Duplicate

LEGEND

Technical Services, Inc.

775 Vandalia Street
St Paul, MN 55114
651.642.1150

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
B5 5-7.5 (0401128-05) Soil Sampled: 06/02/04 09:49 Received: 06/04/04 10:58										
1,2,4-Trichlorobenzene	<0.41	0.41	0.055	mg/kg dry	1	B4F1002	06/09/04	06/11/04	EPA 8270C	
1,2-Dichlorobenzene	<0.41	0.41	0.054	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.41	0.41	0.049	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.41	0.41	0.065	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.41	0.41	0.068	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.41	0.41	0.079	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.41	0.41	0.070	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.41	0.41	0.069	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.41	0.41	0.10	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.41	0.41	0.044	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.41	0.41	0.065	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.41	0.41	0.066	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.41	0.41	0.070	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.41	0.41	0.055	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.41	0.41	0.059	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.41	0.41	0.071	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.41	0.41	0.12	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.41	0.41	0.069	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.41	0.41	0.060	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<2.0	2.0	0.65	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.41	0.41	0.098	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.41	0.41	0.11	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.41	0.41	0.055	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.41	0.41	0.068	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.41	0.41	0.099	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.41	0.41	0.055	mg/kg dry	1	"	"	"	"	
4-Methylphenol	<0.41	0.41	0.12	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.41	0.41	0.092	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.41	0.41	0.046	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.41	0.41	0.054	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.41	0.41	0.054	mg/kg dry	1	"	"	"	"	
Aniline	<0.41	0.41	0.095	mg/kg dry	1	"	"	"	"	

LEGEND Technical Services, Inc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:

June 24, 2004

SVOC SOIL 8270C LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
B5 5-7.5 (0401128-05) Soil Sampled: 06/02/04 09:49 Received: 06/04/04 10:58										
Anthracene	<0.41	0.41	0.060	mg/kg dry	1	B4F1002	06/09/04	06/11/04	EPA 8270C	
Azobenzene	<0.41	0.41	0.058	mg/kg dry	1	"	"	"	"	
Benzidine	<4.6	4.6		mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.41	0.41	0.061	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.41	0.41	0.060	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.41	0.41	0.064	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.41	0.41	0.071	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	<0.41	0.41	0.060	mg/kg dry	1	"	"	"	"	
Benzoic acid	<0.41	0.41	0.076	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.41	0.41	0.096	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.41	0.41	0.060	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.41	0.41	0.085	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.41	0.41	0.058	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.41	0.41	0.10	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.41	0.41	0.10	mg/kg dry	1	"	"	"	"	
Carbazole	<0.41	0.41	0.060	mg/kg dry	1	"	"	"	"	
Chrysene	<0.41	0.41	0.069	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.41	0.41	0.070	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.41	0.41	0.054	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.41	0.41	0.081	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.41	0.41	0.064	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.41	0.41	0.12	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.41	0.41	0.076	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.41	0.41	0.071	mg/kg dry	1	"	"	"	"	
Fluorene	<0.41	0.41	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.41	0.41	0.055	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.41	0.41	0.051	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.41	0.41	0.042	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.41	0.41	0.056	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.41	0.41	0.069	mg/kg dry	1	"	"	"	"	
Isophorone	<0.41	0.41	0.084	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.41	0.41	0.056	mg/kg dry	1	"	"	"	"	

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Technical Services, Inc.

775 Vandalia Street
St Paul, MN 55114
651.642.1150

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
B5 5-7.5 (0401128-05) Soil Sampled: 06/02/04 09:49 Received: 06/04/04 10:58										
Nitrobenzene	<0.41	0.41	0.059	mg/kg dry	1	B4F1002	06/09/04	06/11/04	EPA 8270C	
N-Nitrosodimethylamine	<0.41	0.41	0.058	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.41	0.41	0.055	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.41	0.41	0.070	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.41	0.41	0.12	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.41	0.41	0.068	mg/kg dry	1	"	"	"	"	
Phenol	<0.41	0.41	0.071	mg/kg dry	1	"	"	"	"	
Pyrene	<0.41	0.41	0.064	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	75.9			30-115 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	83.3			38.1-115 %		"	"	"	"	
Surrogate: 2-Fluorophenol	64.5			30-115 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	76.9			39.4-115 %		"	"	"	"	
Surrogate: Phenol-d5	69.3			30-115 %		"	"	"	"	
Surrogate: Terphenyl-d14	74.4			36.1-115 %		"	"	"	"	

B8 7.5-10 (0401128-09) Soil Sampled: 06/02/04 11:02 Received: 06/04/04 10:58										
1,2,4-Trichlorobenzene	<1.3	1.3	0.17	mg/kg dry	2.5	B4F1002	06/09/04	06/14/04	EPA 8270C	
1,2-Dichlorobenzene	<1.3	1.3	0.17	mg/kg dry	2.5	"	"	"	"	
1,3-Dichlorobenzene	<1.3	1.3	0.15	mg/kg dry	2.5	"	"	"	"	
1,4-Dichlorobenzene	<1.3	1.3	0.20	mg/kg dry	2.5	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<1.3	1.3	0.21	mg/kg dry	2.5	"	"	"	"	
2,4,5-Trichlorophenol	<1.3	1.3	0.25	mg/kg dry	2.5	"	"	"	"	
2,4,6-Trichlorophenol	<1.3	1.3	0.22	mg/kg dry	2.5	"	"	"	"	
2,4-Dichlorophenol	<1.3	1.3	0.21	mg/kg dry	2.5	"	"	"	"	
2,4-Dimethylphenol	<1.3	1.3	0.31	mg/kg dry	2.5	"	"	"	"	
2,4-Dinitrophenol	<1.3	1.3	0.14	mg/kg dry	2.5	"	"	"	"	
2,4-Dinitrotoluene	<1.3	1.3	0.20	mg/kg dry	2.5	"	"	"	"	
2,6-Dichlorophenol	<1.3	1.3	0.21	mg/kg dry	2.5	"	"	"	"	
2,6-Dinitrotoluene	<1.3	1.3	0.22	mg/kg dry	2.5	"	"	"	"	
2-Chloronaphthalene	<1.3	1.3	0.17	mg/kg dry	2.5	"	"	"	"	
2-Chlorophenol	<1.3	1.3	0.18	mg/kg dry	2.5	"	"	"	"	
2-Methylnaphthalene	<1.3	1.3	0.22	mg/kg dry	2.5	"	"	"	"	

LEGEND Technical Services, Inc

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Technical Services, Inc.

775 Vandalia Street
St Paul, MN 55114
651 642 1150

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
B8 7.5-10 (0401128-09) Soil Sampled: 06/02/04 11:02 Received: 06/04/04 10:58										
2-Methylphenol	<1.3	1.3	0.38	mg/kg dry	2.5	B4F1002	06/09/04	06/14/04	EPA 8270C	
2-Nitroaniline	<1.3	1.3	0.21	mg/kg dry	2.5	"	"	"	"	
2-Nitrophenol	<1.3	1.3	0.19	mg/kg dry	2.5	"	"	"	"	
3,3'-Dichlorobenzidine	<6.2	6.2	2.0	mg/kg dry	2.5	"	"	"	"	
3-Nitroaniline	<1.3	1.3	0.30	mg/kg dry	2.5	"	"	"	"	
4,6-Dinitro-2-methylphenol	<1.3	1.3	0.34	mg/kg dry	2.5	"	"	"	"	
4-Bromophenyl phenyl ether	<1.3	1.3	0.17	mg/kg dry	2.5	"	"	"	"	
4-Chloro-3-methylphenol	<1.3	1.3	0.21	mg/kg dry	2.5	"	"	"	"	
4-Chloroaniline	<1.3	1.3	0.31	mg/kg dry	2.5	"	"	"	"	
4-Chlorophenyl phenyl ether	<1.3	1.3	0.17	mg/kg dry	2.5	"	"	"	"	
4-Methylphenol	<1.3	1.3	0.36	mg/kg dry	2.5	"	"	"	"	
4-Nitroaniline	<1.3	1.3	0.29	mg/kg dry	2.5	"	"	"	"	
4-Nitrophenol	<1.3	1.3	0.14	mg/kg dry	2.5	"	"	"	"	
Acenaphthene	<1.3	1.3	0.17	mg/kg dry	2.5	"	"	"	"	
Acenaphthylene	<1.3	1.3	0.17	mg/kg dry	2.5	"	"	"	"	
Aniline	<1.3	1.3	0.30	mg/kg dry	2.5	"	"	"	"	
Anthracene	<1.3	1.3	0.19	mg/kg dry	2.5	"	"	"	"	
Azobenzene	<1.3	1.3	0.18	mg/kg dry	2.5	"	"	"	"	
Benzidine	<14	14		mg/kg dry	2.5	"	"	"	"	
Benzo (a) anthracene	<1.3	1.3	0.19	mg/kg dry	2.5	"	"	"	"	
Benzo (a) pyrene	<1.3	1.3	0.19	mg/kg dry	2.5	"	"	"	"	
Benzo (b) fluoranthene	1.8	1.3	0.20	mg/kg dry	2.5	"	"	"	"	
Benzo (g,h,i) perylene	<1.3	1.3	0.22	mg/kg dry	2.5	"	"	"	"	
Benzo (k) fluoranthene	<1.3	1.3	0.19	mg/kg dry	2.5	"	"	"	"	
Benzoic acid	<1.3	1.3	0.24	mg/kg dry	2.5	"	"	"	"	
Benzyl alcohol	<1.3	1.3	0.30	mg/kg dry	2.5	"	"	"	"	
Bis(2-chloroethoxy)methane	<1.3	1.3	0.19	mg/kg dry	2.5	"	"	"	"	
Bis(2-chloroethyl)ether	<1.3	1.3	0.27	mg/kg dry	2.5	"	"	"	"	
Bis(2-chloroisopropyl)ether	<1.3	1.3	0.18	mg/kg dry	2.5	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<1.3	1.3	0.32	mg/kg dry	2.5	"	"	"	"	
Butyl benzyl phthalate	<1.3	1.3	0.32	mg/kg dry	2.5	"	"	"	"	
Carbazole	<1.3	1.3	0.19	mg/kg dry	2.5	"	"	"	"	

LEGEND Technical Services, Inc

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
B8 7.5-10 (0401128-09) Soil Sampled: 06/02/04 11:02 Received: 06/04/04 10:58										
Chrysene	<1.3	1.3	0.21	mg/kg dry	2.5	B4F1002	06/09/04	06/14/04	EPA 8270C	
Dibenz (a,h) anthracene	<1.3	1.3	0.22	mg/kg dry	2.5	"	"	"	"	
Dibenzofuran	<1.3	1.3	0.17	mg/kg dry	2.5	"	"	"	"	
Diethyl phthalate	<1.3	1.3	0.25	mg/kg dry	2.5	"	"	"	"	
Dimethyl phthalate	<1.3	1.3	0.20	mg/kg dry	2.5	"	"	"	"	
Di-n-butyl phthalate	<1.3	1.3	0.39	mg/kg dry	2.5	"	"	"	"	
Di-n-octyl phthalate	<1.3	1.3	0.24	mg/kg dry	2.5	"	"	"	"	
Fluoranthene	2.2	1.3	0.22	mg/kg dry	2.5	"	"	"	"	
Fluorene	<1.3	1.3	0.13	mg/kg dry	2.5	"	"	"	"	
Hexachlorobenzene	<1.3	1.3	0.17	mg/kg dry	2.5	"	"	"	"	
Hexachlorobutadiene	<1.3	1.3	0.16	mg/kg dry	2.5	"	"	"	"	
Hexachlorocyclopentadiene	<1.3	1.3	0.13	mg/kg dry	2.5	"	"	"	"	
Hexachloroethane	<1.3	1.3	0.18	mg/kg dry	2.5	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<1.3	1.3	0.21	mg/kg dry	2.5	"	"	"	"	
Isophorone	<1.3	1.3	0.26	mg/kg dry	2.5	"	"	"	"	
Naphthalene	<1.3	1.3	0.18	mg/kg dry	2.5	"	"	"	"	
Nitrobenzene	<1.3	1.3	0.18	mg/kg dry	2.5	"	"	"	"	
N-Nitrosodimethylamine	<1.3	1.3	0.18	mg/kg dry	2.5	"	"	"	"	
N-Nitrosodi-n-propylamine	<1.3	1.3	0.17	mg/kg dry	2.5	"	"	"	"	
N-Nitrosodiphenylamine	<1.3	1.3	0.22	mg/kg dry	2.5	"	"	"	"	
Pentachlorophenol	<1.3	1.3	0.39	mg/kg dry	2.5	"	"	"	"	
Phenanthrene	1.3	1.3	0.21	mg/kg dry	2.5	"	"	"	"	
Phenol	<1.3	1.3	0.22	mg/kg dry	2.5	"	"	"	"	
Pyrene	1.5	1.3	0.20	mg/kg dry	2.5	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	71.0			30-115 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.3			38.1-115 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.0			30-115 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	60.7			39.4-115 %		"	"	"	"	
Surrogate: Phenol-d5	72.0			30-115 %		"	"	"	"	
Surrogate: Terphenyl-d14	114			36.1-115 %		"	"	"	"	

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C
LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
SS3 0-0.5 (0401128-11) Soil Sampled: 06/02/04 13:51 Received: 06/04/04 10:58										
1,2,4-Trichlorobenzene	<0.73	0.73	0.097	mg/kg dry	2	B4F1002	06/09/04	06/11/04	EPA 8270C	
1,2-Dichlorobenzene	<0.73	0.73	0.095	mg/kg dry	2	"	"	"	"	
1,3-Dichlorobenzene	<0.73	0.73	0.086	mg/kg dry	2	"	"	"	"	
1,4-Dichlorobenzene	<0.73	0.73	0.11	mg/kg dry	2	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.73	0.73	0.12	mg/kg dry	2	"	"	"	"	
2,4,5-Trichlorophenol	<0.73	0.73	0.14	mg/kg dry	2	"	"	"	"	
2,4,6-Trichlorophenol	<0.73	0.73	0.12	mg/kg dry	2	"	"	"	"	
2,4-Dichlorophenol	<0.73	0.73	0.12	mg/kg dry	2	"	"	"	"	
2,4-Dimethylphenol	<0.73	0.73	0.18	mg/kg dry	2	"	"	"	"	
2,4-Dinitrophenol	<0.73	0.73	0.077	mg/kg dry	2	"	"	"	"	
2,4-Dinitrotoluene	<0.73	0.73	0.11	mg/kg dry	2	"	"	"	"	
2,6-Dichlorophenol	<0.73	0.73	0.12	mg/kg dry	2	"	"	"	"	
2,6-Dinitrotoluene	<0.73	0.73	0.12	mg/kg dry	2	"	"	"	"	
2-Chloronaphthalene	<0.73	0.73	0.097	mg/kg dry	2	"	"	"	"	
2-Chlorophenol	<0.73	0.73	0.10	mg/kg dry	2	"	"	"	"	
2-Methylnaphthalene	<0.73	0.73	0.13	mg/kg dry	2	"	"	"	"	
2-Methylphenol	<0.73	0.73	0.21	mg/kg dry	2	"	"	"	"	
2-Nitroaniline	<0.73	0.73	0.12	mg/kg dry	2	"	"	"	"	
2-Nitrophenol	<0.73	0.73	0.11	mg/kg dry	2	"	"	"	"	
3,3'-Dichlorobenzidine	<3.5	3.5	1.1	mg/kg dry	2	"	"	"	"	
3-Nitroaniline	<0.73	0.73	0.17	mg/kg dry	2	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.73	0.73	0.19	mg/kg dry	2	"	"	"	"	
4-Bromophenyl phenyl ether	<0.73	0.73	0.097	mg/kg dry	2	"	"	"	"	
4-Chloro-3-methylphenol	<0.73	0.73	0.12	mg/kg dry	2	"	"	"	"	
4-Chloroaniline	<0.73	0.73	0.17	mg/kg dry	2	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.73	0.73	0.097	mg/kg dry	2	"	"	"	"	
4-Methylphenol	<0.73	0.73	0.20	mg/kg dry	2	"	"	"	"	
4-Nitroaniline	<0.73	0.73	0.16	mg/kg dry	2	"	"	"	"	
4-Nitrophenol	<0.73	0.73	0.081	mg/kg dry	2	"	"	"	"	
Acenaphthene	<0.73	0.73	0.095	mg/kg dry	2	"	"	"	"	
Acenaphthylene	<0.73	0.73	0.095	mg/kg dry	2	"	"	"	"	
Aniline	<0.73	0.73	0.17	mg/kg dry	2	"	"	"	"	

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LEGEND

Technical Services, Inc.

775 Vandalia Street
St Paul, MN 55114
651.642.1150

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
SS3 0-0.5 (0401128-11) Soil Sampled: 06/02/04 13:51 Received: 06/04/04 10:58										
Anthracene	<0.73	0.73	0.11	mg/kg dry	2	B4F1002	06/09/04	06/11/04	EPA 8270C	
Azobenzene	<0.73	0.73	0.10	mg/kg dry	2	"	"	"	"	
Benzidine	<8.1	8.1		mg/kg dry	2	"	"	"	"	
Benzo (a) anthracene	<0.73	0.73	0.11	mg/kg dry	2	"	"	"	"	
Benzo (a) pyrene	<0.73	0.73	0.11	mg/kg dry	2	"	"	"	"	
Benzo (b) fluoranthene	<0.73	0.73	0.11	mg/kg dry	2	"	"	"	"	
Benzo (g,h,i) perylene	<0.73	0.73	0.13	mg/kg dry	2	"	"	"	"	
Benzo (k) fluoranthene	<0.73	0.73	0.11	mg/kg dry	2	"	"	"	"	
Benzoic acid	<0.73	0.73	0.13	mg/kg dry	2	"	"	"	"	
Benzyl alcohol	<0.73	0.73	0.17	mg/kg dry	2	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.73	0.73	0.11	mg/kg dry	2	"	"	"	"	
Bis(2-chloroethyl)ether	<0.73	0.73	0.15	mg/kg dry	2	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.73	0.73	0.10	mg/kg dry	2	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.73	0.73	0.18	mg/kg dry	2	"	"	"	"	
Butyl benzyl phthalate	<0.73	0.73	0.18	mg/kg dry	2	"	"	"	"	
Carbazole	<0.73	0.73	0.11	mg/kg dry	2	"	"	"	"	
Chrysene	<0.73	0.73	0.12	mg/kg dry	2	"	"	"	"	
Dibenz (a,h) anthracene	<0.73	0.73	0.12	mg/kg dry	2	"	"	"	"	
Dibenzofuran	<0.73	0.73	0.095	mg/kg dry	2	"	"	"	"	
Diethyl phthalate	<0.73	0.73	0.14	mg/kg dry	2	"	"	"	"	
Dimethyl phthalate	<0.73	0.73	0.11	mg/kg dry	2	"	"	"	"	
Di-n-butyl phthalate	<0.73	0.73	0.22	mg/kg dry	2	"	"	"	"	
Di-n-octyl phthalate	<0.73	0.73	0.13	mg/kg dry	2	"	"	"	"	
Fluoranthene	<0.73	0.73	0.13	mg/kg dry	2	"	"	"	"	
Fluorene	<0.73	0.73	0.075	mg/kg dry	2	"	"	"	"	
Hexachlorobenzene	<0.73	0.73	0.097	mg/kg dry	2	"	"	"	"	
Hexachlorobutadiene	<0.73	0.73	0.090	mg/kg dry	2	"	"	"	"	
Hexachlorocyclopentadiene	<0.73	0.73	0.075	mg/kg dry	2	"	"	"	"	
Hexachloroethane	<0.73	0.73	0.099	mg/kg dry	2	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.73	0.73	0.12	mg/kg dry	2	"	"	"	"	
Isophorone	<0.73	0.73	0.15	mg/kg dry	2	"	"	"	"	
Naphthalene	<0.73	0.73	0.099	mg/kg dry	2	"	"	"	"	

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LEGEND

Technical Services, Inc.

775 Vandalia Street
St Paul, MN 55114
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Barr Engineering Co.
4700 W 77th St
Minneapolis MN, 55435

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS3 0-0.5 (0401128-11) Soil Sampled: 06/02/04 13:51 Received: 06/04/04 10:58										
Nitrobenzene	<0.73	0.73	0.10	mg/kg dry	2	B4F1002	06/09/04	06/11/04	EPA 8270C	
N-Nitrosodimethylamine	<0.73	0.73	0.10	mg/kg dry	2	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.73	0.73	0.097	mg/kg dry	2	"	"	"	"	
N-Nitrosodiphenylamine	<0.73	0.73	0.12	mg/kg dry	2	"	"	"	"	
Pentachlorophenol	<0.73	0.73	0.22	mg/kg dry	2	"	"	"	"	
Phenanthrene	<0.73	0.73	0.12	mg/kg dry	2	"	"	"	"	
Phenol	<0.73	0.73	0.13	mg/kg dry	2	"	"	"	"	
Pyrene	<0.73	0.73	0.11	mg/kg dry	2	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	71.9			30-115 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	73.9			38.1-115 %		"	"	"	"	
Surrogate: 2-Fluorophenol	67.2			30-115 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	75.0			39.4-115 %		"	"	"	"	
Surrogate: Phenol-d5	69.2			30-115 %		"	"	"	"	
Surrogate: Terphenyl-d14	73.9			36.1-115 %		"	"	"	"	

SS1 0-0.05 (0401128-18) Soil Sampled: 06/02/04 15:03 Received: 06/04/04 10:58										
1,2,4-Trichlorobenzene	<0.36	0.36	0.048	mg/kg dry	1	B4F1002	06/09/04	06/11/04	EPA 8270C	
1,2-Dichlorobenzene	<0.36	0.36	0.047	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.36	0.36	0.043	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.36	0.36	0.057	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.36	0.36	0.059	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.36	0.36	0.069	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.36	0.36	0.062	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.36	0.36	0.060	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.36	0.36	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.36	0.36	0.038	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.36	0.36	0.057	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.36	0.36	0.058	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.36	0.36	0.062	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.36	0.36	0.048	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.36	0.36	0.052	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.36	0.36	0.063	mg/kg dry	1	"	"	"	"	

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
SS1 0-0.05 (0401128-18) Soil Sampled: 06/02/04 15:03 Received: 06/04/04 10:58										
2-Methylphenol	<0.36	0.36	0.11	mg/kg dry	1	B4F1002	06/09/04	06/11/04	EPA 8270C	
2-Nitroaniline	<0.36	0.36	0.060	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.36	0.36	0.053	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<1.8	1.8	0.57	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.36	0.36	0.086	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.36	0.36	0.096	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.36	0.36	0.048	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.36	0.36	0.059	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.36	0.36	0.087	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.36	0.36	0.048	mg/kg dry	1	"	"	"	"	
4-Methylphenol	<0.36	0.36	0.10	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.36	0.36	0.081	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.36	0.36	0.041	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.36	0.36	0.047	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.36	0.36	0.047	mg/kg dry	1	"	"	"	"	
Aniline	<0.36	0.36	0.084	mg/kg dry	1	"	"	"	"	
Anthracene	0.71	0.36	0.053	mg/kg dry	1	"	"	"	"	
Azobenzene	<0.36	0.36	0.051	mg/kg dry	1	"	"	"	"	
Benzidine	<4.1	4.1		mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	1.9	0.36	0.054	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	2.0	0.36	0.053	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	2.2	0.36	0.056	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	1.1	0.36	0.063	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	0.94	0.36	0.053	mg/kg dry	1	"	"	"	"	
Benzoic acid	<0.36	0.36	0.067	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.36	0.36	0.085	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.36	0.36	0.053	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.36	0.36	0.075	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.36	0.36	0.051	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.36	0.36	0.090	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.36	0.36	0.090	mg/kg dry	1	"	"	"	"	
Carbazole	<0.36	0.36	0.053	mg/kg dry	1	"	"	"	"	

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Technical Services, Inc.

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
SS1 0-0.05 (0401128-18) Soil Sampled: 06/02/04 15:03 Received: 06/04/04 10:58										
Chrysene	2.1	0.36	0.060	mg/kg dry	1	B4F1002	06/09/04	06/11/04	EPA 8270C	
Dibenz (a,h) anthracene	<0.36	0.36	0.062	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.36	0.36	0.047	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.36	0.36	0.071	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.36	0.36	0.056	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.36	0.36	0.11	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.36	0.36	0.067	mg/kg dry	1	"	"	"	"	
Fluoranthene	4.1	0.36	0.063	mg/kg dry	1	"	"	"	"	
Fluorene	<0.36	0.36	0.037	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.36	0.36	0.048	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.36	0.36	0.045	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.36	0.36	0.037	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.36	0.36	0.049	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	1.1	0.36	0.060	mg/kg dry	1	"	"	"	"	
Isophorone	<0.36	0.36	0.074	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.36	0.36	0.049	mg/kg dry	1	"	"	"	"	
Nitrobenzene	<0.36	0.36	0.052	mg/kg dry	1	"	"	"	"	
N-Nitrosodimethylamine	<0.36	0.36	0.051	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.36	0.36	0.048	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.36	0.36	0.062	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.36	0.36	0.11	mg/kg dry	1	"	"	"	"	
Phenanthrene	3.2	0.36	0.059	mg/kg dry	1	"	"	"	"	
Phenol	<0.36	0.36	0.063	mg/kg dry	1	"	"	"	"	
Pyrene	3.4	0.36	0.056	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	88.4			30-115 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	97.5			38.1-115 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.7			30-115 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	87.9			39.4-115 %		"	"	"	"	
Surrogate: Phenol-d5	78.9			30-115 %		"	"	"	"	
Surrogate: Terphenyl-d14	85.7			36.1-115 %		"	"	"	"	

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Technical Services, Inc.

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC WATER 8270C LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
FB (0401128-23) Liquid Sampled: 06/02/04 00:00 Received: 06/04/04 10:58 H3										
1,2,4-Trichlorobenzene	<10	10	0.47	ug/L	1	B4F1012	06/10/04	06/11/04	EPA 8270C	
1,2-Dichlorobenzene	<10	10	0.61	ug/L	1	"	"	"	"	
1,3-Dichlorobenzene	<10	10	0.59	ug/L	1	"	"	"	"	
1,4-Dichlorobenzene	<10	10	0.52	ug/L	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<10	10	1.5	ug/L	1	"	"	"	"	
2,4,5-Trichlorophenol	<10	10	1.2	ug/L	1	"	"	"	"	
2,4,6-Trichlorophenol	<10	10	1.2	ug/L	1	"	"	"	"	
2,4-Dichlorophenol	<10	10	1.2	ug/L	1	"	"	"	"	
2,4-Dimethylphenol	<10	10	1.7	ug/L	1	"	"	"	"	
2,4-Dinitrophenol	<20	20	2.6	ug/L	1	"	"	"	"	
2,4-Dinitrotoluene	<10	10	0.81	ug/L	1	"	"	"	"	
2,6-Dichlorophenol	<10	10	1.3	ug/L	1	"	"	"	"	
2,6-Dinitrotoluene	<10	10	0.80	ug/L	1	"	"	"	"	
2-Chloronaphthalene	<10	10	0.67	ug/L	1	"	"	"	"	
2-Chlorophenol	<10	10	1.9	ug/L	1	"	"	"	"	
2-Methylnaphthalene	<10	10	1.2	ug/L	1	"	"	"	"	
2-Methylphenol	<10	10	1.2	ug/L	1	"	"	"	"	
2-Nitroaniline	<10	10	1.4	ug/L	1	"	"	"	"	
2-Nitrophenol	<10	10	1.1	ug/L	1	"	"	"	"	
3,3'-Dichlorobenzidine	<40	40	13	ug/L	1	"	"	"	"	
3-Nitroaniline	<10	10	2.5	ug/L	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<20	20	1.3	ug/L	1	"	"	"	"	
4-Bromophenyl phenyl ether	<10	10	0.86	ug/L	1	"	"	"	"	
4-Chloro-3-methylphenol	<10	10	1.3	ug/L	1	"	"	"	"	
4-Chloroaniline	<20	20	2.8	ug/L	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<10	10	0.63	ug/L	1	"	"	"	"	
4-Methylphenol	<10	10	1.3	ug/L	1	"	"	"	"	
4-Nitroaniline	<10	10	1.6	ug/L	1	"	"	"	"	
4-Nitrophenol	<20	20	1.5	ug/L	1	"	"	"	"	
Acenaphthene	<10	10	0.54	ug/L	1	"	"	"	"	
Acenaphthylene	<10	10	0.45	ug/L	1	"	"	"	"	
Aniline	<10	10	2.8	ug/L	1	"	"	"	"	

LEGEND Technical Services, Inc

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Technical Services, Inc.

775 Vandalia Street
St Paul, MN 55114
651.642.1150

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC WATER 8270C LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
FB (0401128-23) Liquid Sampled: 06/02/04 00:00 Received: 06/04/04 10:58										H3
Anthracene	<10	10	0.89	ug/L	1	B4F1012	06/10/04	06/11/04	EPA 8270C	
Azobenzene	<10	10	0.69	ug/L	1	"	"	"	"	
Benzidine	<55	55	44	ug/L	1	"	"	"	"	
Benzo (a) anthracene	<10	10	0.87	ug/L	1	"	"	"	"	
Benzo (a) pyrene	<10	10	0.97	ug/L	1	"	"	"	"	
Benzo (b) fluoranthene	<10	10	0.96	ug/L	1	"	"	"	"	
Benzo (g,h,i) perylene	<10	10	0.98	ug/L	1	"	"	"	"	
Benzo (k) fluoranthene	<10	10	1.0	ug/L	1	"	"	"	"	
Benzoic acid	<10	10	2.8	ug/L	1	"	"	"	"	
Benzyl alcohol	<10	10	1.7	ug/L	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<10	10	0.51	ug/L	1	"	"	"	"	
Bis(2-chloroethyl)ether	<10	10	0.70	ug/L	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<10	10	0.62	ug/L	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<10	10	2.0	ug/L	1	"	"	"	"	
Butyl benzyl phthalate	<10	10	0.99	ug/L	1	"	"	"	"	
Carbazole	<10	10	0.99	ug/L	1	"	"	"	"	
Chrysene	<10	10	0.94	ug/L	1	"	"	"	"	
Dibenz (a,h) anthracene	<10	10	0.93	ug/L	1	"	"	"	"	
Dibenzofuran	<10	10	1.1	ug/L	1	"	"	"	"	
Diethyl phthalate	<10	10	0.67	ug/L	1	"	"	"	"	
Dimethyl phthalate	<10	10	0.72	ug/L	1	"	"	"	"	
Di-n-butyl phthalate	<10	10	0.90	ug/L	1	"	"	"	"	
Di-n-octyl phthalate	<10	10	1.5	ug/L	1	"	"	"	"	
Fluoranthene	<10	10	1.0	ug/L	1	"	"	"	"	
Fluorene	<10	10	0.59	ug/L	1	"	"	"	"	
Hexachlorobenzene	<10	10	0.82	ug/L	1	"	"	"	"	
Hexachlorobutadiene	<10	10	0.86	ug/L	1	"	"	"	"	
Hexachlorocyclopentadiene	<10	10	0.65	ug/L	1	"	"	"	"	
Hexachloroethane	<10	10	0.51	ug/L	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<10	10	0.72	ug/L	1	"	"	"	"	
Isophorone	<10	10	0.54	ug/L	1	"	"	"	"	
Naphthalene	<10	10	0.63	ug/L	1	"	"	"	"	

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC WATER 8270C
LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
FB (0401128-23) Liquid Sampled: 06/02/04 00:00 Received: 06/04/04 10:58										
Nitrobenzene	<10	10	0.62	ug/L	1	B4F1012	06/10/04	06/11/04	EPA 8270C	H3
N-Nitrosodimethylamine	<10	10	0.78	ug/L	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<10	10	0.66	ug/L	1	"	"	"	"	
N-Nitrosodiphenylamine	<10	10	0.86	ug/L	1	"	"	"	"	
Pentachlorophenol	<10	10	1.9	ug/L	1	"	"	"	"	
Phenanthrene	<10	10	0.84	ug/L	1	"	"	"	"	
Phenol	<10	10	1.4	ug/L	1	"	"	"	"	
Pyrene	<10	10	1.0	ug/L	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	95.5			42.6-115	%	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	98.9			48.6-115	%	"	"	"	"	
Surrogate: 2-Fluorophenol	68.5			30-115	%	"	"	"	"	
Surrogate: Nitrobenzene-d5	88.4			56.8-115	%	"	"	"	"	
Surrogate: Phenol-d5	62.5			30-115	%	"	"	"	"	
Surrogate: Terphenyl-dl4	128			37.1-115.2	%	"	"	"	"	S-02

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Technical Services, Inc.

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

VOC GCMS 8260B LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW3 7.5-10 (0401128-06) Soil Sampled: 06/02/04 14:14 Received: 06/04/04 10:58										
1,1,1,2-Tetrachloroethane	<0.33	0.33	0.021	mg/kg dry	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
1,1,1-Trichloroethane	<0.33	0.33	0.031	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.33	0.33	0.012	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.33	0.33	0.013	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.33	0.33	0.047	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.33	0.33	0.022	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.33	0.33	0.022	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.33	0.33	0.025	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.33	0.33	0.0080	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.33	0.33	0.024	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.33	0.33	0.025	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.33	0.33	0.010	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.33	0.33	0.026	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.33	0.33	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.33	0.33	0.014	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.33	0.33	0.020	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.33	0.33	0.017	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.33	0.33	0.016	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.33	0.33	0.018	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.33	0.33	0.0094	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.33	0.33	0.016	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.33	0.33	0.059	mg/kg dry	1	"	"	"	"	
2-Butanone	<2.6	2.6	0.030	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.33	0.33	0.018	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.33	0.33	0.013	mg/kg dry	1	"	"	"	"	
Acetone	<2.6	2.6	0.042	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.33	0.33	0.025	mg/kg dry	1	"	"	"	"	
Benzene	<0.33	0.33	0.011	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.33	0.33	0.022	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.33	0.33	0.016	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.33	0.33	0.014	mg/kg dry	1	"	"	"	"	
Bromoform	<0.33	0.33	0.031	mg/kg dry	1	"	"	"	"	

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

VOC GCMS 8260B
LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
MW3 7.5-10 (0401128-06) Soil Sampled: 06/02/04 14:14 Received: 06/04/04 10:58										
Bromomethane	0.36	0.33	0.073	mg/kg dry	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
Carbon tetrachloride	<0.33	0.33	0.026	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.33	0.33	0.021	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.33	0.33	0.046	mg/kg dry	1	"	"	"	"	
Chloroform	<0.33	0.33	0.020	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.33	0.33	0.026	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.33	0.33	0.020	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.33	0.33	0.024	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.33	0.33	0.020	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.33	0.33	0.030	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.33	0.33	0.017	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.33	0.33	0.0061	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.33	0.33	0.030	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.33	0.33	0.021	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.33	0.33	0.022	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.33	0.33	0.014	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.65	0.65	0.050	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.33	0.33	0.064	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.33	0.33	0.021	mg/kg dry	1	"	"	"	"	
Methylene chloride	<2.0	2.0	0.026	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.33	0.33	0.0063	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.33	0.33	0.014	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.33	0.33	0.013	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.33	0.33	0.021	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.33	0.33	0.013	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.33	0.33	0.016	mg/kg dry	1	"	"	"	"	
Styrene	<0.33	0.33	0.022	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.33	0.33	0.016	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.33	0.33	0.018	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.33	0.33	0.024	mg/kg dry	1	"	"	"	"	
Toluene	<0.33	0.33	0.018	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.33	0.33	0.030	mg/kg dry	1	"	"	"	"	

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

VOC GCMS 8260B LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
MW3 7.5-10 (0401128-06) Soil Sampled: 06/02/04 14:14 Received: 06/04/04 10:58										
trans-1,3-Dichloropropene	<0.33	0.33	0.017	mg/kg dry	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
Trichloroethene	<0.33	0.33	0.025	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.33	0.33	0.022	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.33	0.33	0.020	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101			75-125 %		"	"	"	"	
Surrogate: Dibromofluoromethane	102			75-125 %		"	"	"	"	
Surrogate: Toluene-d8	115			75.5-125 %		"	"	"	"	

B6 2.5-5 (0401128-07) Soil Sampled: 06/02/04 10:19 Received: 06/04/04 10:58

1,1,1,2-Tetrachloroethane	<0.31	0.31	0.020	mg/kg dry	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
1,1,1-Trichloroethane	<0.31	0.31	0.030	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.31	0.31	0.011	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.31	0.31	0.012	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.31	0.31	0.044	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.31	0.31	0.021	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.31	0.31	0.021	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.31	0.31	0.023	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.31	0.31	0.0075	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.31	0.31	0.022	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.31	0.31	0.023	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.31	0.31	0.0099	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.31	0.31	0.025	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.31	0.31	0.023	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.31	0.31	0.014	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.31	0.31	0.019	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.31	0.31	0.016	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.31	0.31	0.015	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.31	0.31	0.017	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.31	0.31	0.0089	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.31	0.31	0.015	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.31	0.31	0.056	mg/kg dry	1	"	"	"	"	
2-Butanone	<2.5	2.5	0.028	mg/kg dry	1	"	"	"	"	

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

VOC GCMS 8260B
LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
B6 2.5-5 (0401128-07) Soil Sampled: 06/02/04 10:19 Received: 06/04/04 10:58										
2-Chlorotoluene	<0.31	0.31	0.017	mg/kg dry	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
4-Chlorotoluene	<0.31	0.31	0.012	mg/kg dry	1	"	"	"	"	
Acetone	<2.5	2.5	0.040	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.31	0.31	0.023	mg/kg dry	1	"	"	"	"	
Benzene	<0.31	0.31	0.010	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.31	0.31	0.021	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.31	0.31	0.015	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.31	0.31	0.014	mg/kg dry	1	"	"	"	"	
Bromoform	<0.31	0.31	0.030	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.31	0.31	0.069	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.31	0.31	0.025	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.31	0.31	0.043	mg/kg dry	1	"	"	"	"	
Chloroform	<0.31	0.31	0.019	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.31	0.31	0.025	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.31	0.31	0.019	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.31	0.31	0.022	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.31	0.31	0.019	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.31	0.31	0.028	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.31	0.31	0.016	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.31	0.31	0.0058	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.31	0.31	0.028	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.31	0.31	0.021	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.31	0.31	0.014	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.62	0.62	0.047	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.31	0.31	0.060	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.31	0.31	0.020	mg/kg dry	1	"	"	"	"	
Methylene chloride	<1.9	1.9	0.025	mg/kg dry	1	"	"	"	"	
Naphthalene	1.3	0.31	0.0059	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.31	0.31	0.014	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.31	0.31	0.012	mg/kg dry	1	"	"	"	"	

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Technical Services, Inc.

775 Vandalia Street
St Paul, MN 55114
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Barr Engineering Co.
4700 W 77th St
Minneapolis MN, 55435

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

VOC GCMS 8260B LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
B6 2.5-5 (0401128-07) Soil Sampled: 06/02/04 10:19 Received: 06/04/04 10:58										
o-Xylene	<0.31	0.31	0.020	mg/kg dry	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
p-Isopropyltoluene	<0.31	0.31	0.012	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.31	0.31	0.015	mg/kg dry	1	"	"	"	"	
Styrene	<0.31	0.31	0.021	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.31	0.31	0.015	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.31	0.31	0.017	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.31	0.31	0.022	mg/kg dry	1	"	"	"	"	
Toluene	<0.31	0.31	0.017	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.31	0.31	0.028	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.31	0.31	0.016	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.31	0.31	0.023	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.31	0.31	0.021	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.31	0.31	0.019	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.2			75-125 %		"	"	"	"	
Surrogate: Dibromofluoromethane	102			75-125 %		"	"	"	"	
Surrogate: Toluene-d8	111			75.5-125 %		"	"	"	"	

SS5 0-1 (0401128-08) Soil Sampled: 06/02/04 10:47 Received: 06/04/04 10:58

1,1,1,2-Tetrachloroethane	<0.30	0.30	0.019	mg/kg dry	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
1,1,1-Trichloroethane	<0.30	0.30	0.029	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.30	0.30	0.011	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.30	0.30	0.012	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.30	0.30	0.043	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.30	0.30	0.023	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.30	0.30	0.0073	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.30	0.30	0.022	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.30	0.30	0.023	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.30	0.30	0.0096	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.30	0.30	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.30	0.30	0.023	mg/kg dry	1	"	"	"	"	

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Technical Services, Inc.

775 Vandalia Street
St Paul, MN 55114
651.642.1150

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

VOC GCMS 8260B LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
SS5 0-1 (0401128-08) Soil Sampled: 06/02/04 10:47 Received: 06/04/04 10:58										
1,2-Dichlorobenzene	<0.30	0.30	0.013	mg/kg dry	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
1,2-Dichloroethane	<0.30	0.30	0.018	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.30	0.30	0.016	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.30	0.30	0.014	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.30	0.30	0.017	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.30	0.30	0.0086	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.30	0.30	0.014	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.30	0.30	0.054	mg/kg dry	1	"	"	"	"	
2-Butanone	<2.4	2.4	0.028	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.30	0.30	0.017	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.30	0.30	0.012	mg/kg dry	1	"	"	"	"	
Acetone	<2.4	2.4	0.038	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.30	0.30	0.023	mg/kg dry	1	"	"	"	"	
Benzene	<0.30	0.30	0.010	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.30	0.30	0.014	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.30	0.30	0.013	mg/kg dry	1	"	"	"	"	
Bromoform	<0.30	0.30	0.029	mg/kg dry	1	"	"	"	"	
Bromomethane	<0.30	0.30	0.067	mg/kg dry	1	"	"	"	"	
Carbon tetrachloride	<0.30	0.30	0.024	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.30	0.30	0.042	mg/kg dry	1	"	"	"	"	
Chloroform	<0.30	0.30	0.018	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.30	0.30	0.024	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.30	0.30	0.018	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.30	0.30	0.022	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.30	0.30	0.018	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.30	0.30	0.028	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.30	0.30	0.016	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.30	0.30	0.0056	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.30	0.30	0.028	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	

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Technical Services, Inc.

775 Vandalia Street
St Paul, MN 55114
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Barr Engineering Co.
4700 W 77th St
Minneapolis MN, 55435

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:

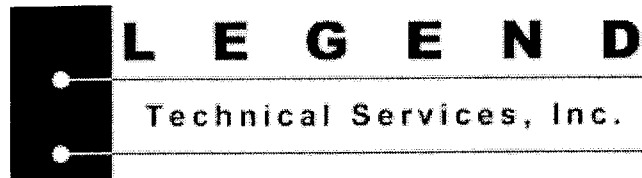
June 24, 2004

VOC GCMS 8260B LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS5 0-1 (0401128-08) Soil Sampled: 06/02/04 10:47 Received: 06/04/04 10:58										
Hexachlorobutadiene	<0.30	0.30	0.020	mg/kg dry	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
Isopropylbenzene	<0.30	0.30	0.013	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.60	0.60	0.046	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.30	0.30	0.059	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
Methylene chloride	<1.8	1.8	0.024	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.30	0.30	0.0057	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.30	0.30	0.013	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.30	0.30	0.012	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.30	0.30	0.019	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.30	0.30	0.012	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.30	0.30	0.014	mg/kg dry	1	"	"	"	"	
Styrene	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.30	0.30	0.014	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.30	0.30	0.017	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.30	0.30	0.022	mg/kg dry	1	"	"	"	"	
Toluene	<0.30	0.30	0.017	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.30	0.30	0.028	mg/kg dry	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.30	0.30	0.016	mg/kg dry	1	"	"	"	"	
Trichloroethene	<0.30	0.30	0.023	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.30	0.30	0.020	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.30	0.30	0.018	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	106			75-125 %		"	"	"	"	
Surrogate: Dibromofluoromethane	103			75-125 %		"	"	"	"	
Surrogate: Toluene-d8	114			75.5-125 %		"	"	"	"	

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775 Vandalia Street
St Paul, MN 55114
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Barr Engineering Co.
4700 W 77th St
Minneapolis MN, 55435

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

VOC GCMS 8260B
LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B2 7.5-10 (0401128-12) Soil Sampled: 06/02/04 14:12 Received: 06/04/04 10:58										
1,1,1,2-Tetrachloroethane	<0.29	0.29	0.019	mg/kg dry	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
1,1,1-Trichloroethane	<0.29	0.29	0.028	mg/kg dry	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.29	0.29	0.010	mg/kg dry	1	"	"	"	"	
1,1,2-Trichloroethane	<0.29	0.29	0.012	mg/kg dry	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.29	0.29	0.042	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethane	<0.29	0.29	0.020	mg/kg dry	1	"	"	"	"	
1,1-Dichloroethene	<0.29	0.29	0.020	mg/kg dry	1	"	"	"	"	
1,1-Dichloropropene	<0.29	0.29	0.022	mg/kg dry	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.29	0.29	0.0072	mg/kg dry	1	"	"	"	"	
1,2,3-Trichloropropane	<0.29	0.29	0.021	mg/kg dry	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.29	0.29	0.022	mg/kg dry	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.29	0.29	0.0094	mg/kg dry	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.29	0.29	0.024	mg/kg dry	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.29	0.29	0.022	mg/kg dry	1	"	"	"	"	
1,2-Dichlorobenzene	<0.29	0.29	0.013	mg/kg dry	1	"	"	"	"	
1,2-Dichloroethane	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
1,2-Dichloropropane	<0.29	0.29	0.015	mg/kg dry	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.29	0.29	0.014	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.29	0.29	0.016	mg/kg dry	1	"	"	"	"	
1,3-Dichloropropane	<0.29	0.29	0.0085	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.29	0.29	0.014	mg/kg dry	1	"	"	"	"	
2,2-Dichloropropane	<0.29	0.29	0.053	mg/kg dry	1	"	"	"	"	
2-Butanone	<2.4	2.4	0.027	mg/kg dry	1	"	"	"	"	
2-Chlorotoluene	<0.29	0.29	0.016	mg/kg dry	1	"	"	"	"	
4-Chlorotoluene	<0.29	0.29	0.012	mg/kg dry	1	"	"	"	"	
Acetone	<2.4	2.4	0.038	mg/kg dry	1	"	"	"	"	
Allyl chloride	<0.29	0.29	0.022	mg/kg dry	1	"	"	"	"	
Benzene	<0.29	0.29	0.0099	mg/kg dry	1	"	"	"	"	
Bromobenzene	<0.29	0.29	0.020	mg/kg dry	1	"	"	"	"	
Bromochloromethane	<0.29	0.29	0.014	mg/kg dry	1	"	"	"	"	
Bromodichloromethane	<0.29	0.29	0.013	mg/kg dry	1	"	"	"	"	
Bromoform	<0.29	0.29	0.028	mg/kg dry	1	"	"	"	"	

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

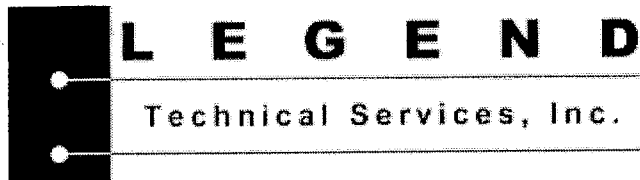
VOC GCMS 8260B

LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
B2 7.5-10 (0401128-12) Soil Sampled: 06/02/04 14:12 Received: 06/04/04 10:58										
Bromomethane	0.35	0.29	0.066	mg/kg dry	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
Carbon tetrachloride	<0.29	0.29	0.024	mg/kg dry	1	"	"	"	"	
Chlorobenzene	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
Chloroethane	<0.29	0.29	0.041	mg/kg dry	1	"	"	"	"	
Chloroform	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
Chloromethane	<0.29	0.29	0.024	mg/kg dry	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.29	0.29	0.021	mg/kg dry	1	"	"	"	"	
Dibromochloromethane	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
Dibromomethane	<0.29	0.29	0.027	mg/kg dry	1	"	"	"	"	
Dichlorodifluoromethane	<0.29	0.29	0.015	mg/kg dry	1	"	"	"	"	
Dichlorofluoromethane	<0.29	0.29	0.0055	mg/kg dry	1	"	"	"	"	
Ethyl ether	<0.29	0.29	0.027	mg/kg dry	1	"	"	"	"	
Ethylbenzene	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.29	0.29	0.020	mg/kg dry	1	"	"	"	"	
Isopropylbenzene	<0.29	0.29	0.013	mg/kg dry	1	"	"	"	"	
m,p-Xylene	<0.59	0.59	0.045	mg/kg dry	1	"	"	"	"	
Methyl isobutyl ketone	<0.29	0.29	0.058	mg/kg dry	1	"	"	"	"	
Methyl tert-butyl ether	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
Methylene chloride	<1.8	1.8	0.024	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.29	0.29	0.0056	mg/kg dry	1	"	"	"	"	
n-Butylbenzene	<0.29	0.29	0.013	mg/kg dry	1	"	"	"	"	
n-Propylbenzene	<0.29	0.29	0.012	mg/kg dry	1	"	"	"	"	
o-Xylene	<0.29	0.29	0.019	mg/kg dry	1	"	"	"	"	
p-Isopropyltoluene	<0.29	0.29	0.012	mg/kg dry	1	"	"	"	"	
sec-Butylbenzene	<0.29	0.29	0.014	mg/kg dry	1	"	"	"	"	
Styrene	<0.29	0.29	0.020	mg/kg dry	1	"	"	"	"	
tert-Butylbenzene	<0.29	0.29	0.014	mg/kg dry	1	"	"	"	"	
Tetrachloroethene	<0.29	0.29	0.016	mg/kg dry	1	"	"	"	"	
Tetrahydrofuran	<0.29	0.29	0.021	mg/kg dry	1	"	"	"	"	
Toluene	<0.29	0.29	0.016	mg/kg dry	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.29	0.29	0.027	mg/kg dry	1	"	"	"	"	

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775 Vandalia Street
St Paul, MN 55114
651.642.1150

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

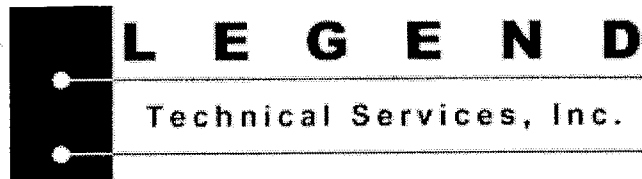
VOC GCMS 8260B
LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B2 7.5-10 (0401128-12) Soil Sampled: 06/02/04 14:12 Received: 06/04/04 10:58										
trans-1,3-Dichloropropene	<0.29	0.29	0.015	mg/kg dry	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
Trichloroethene	<0.29	0.29	0.022	mg/kg dry	1	"	"	"	"	
Trichlorofluoromethane	<0.29	0.29	0.020	mg/kg dry	1	"	"	"	"	
Vinyl chloride	<0.29	0.29	0.018	mg/kg dry	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	100			75-125 %		"	"	"	"	
Surrogate: Dibromofluoromethane	102			75-125 %		"	"	"	"	
Surrogate: Toluene-d8	114			75.5-125 %		"	"	"	"	

Trip Blank (0401128-24) Soil Sampled: 06/02/04 00:00 Received: 06/04/04 10:58										
1,1,1,2-Tetrachloroethane	<0.25	0.25	0.016	mg/kg wet	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
1,1,1-Trichloroethane	<0.25	0.25	0.024	mg/kg wet	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	<0.25	0.25	0.0088	mg/kg wet	1	"	"	"	"	
1,1,2-Trichloroethane	<0.25	0.25	0.0099	mg/kg wet	1	"	"	"	"	
1,1,2-Trichlorotrifluoroethane	<0.25	0.25	0.036	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethane	<0.25	0.25	0.017	mg/kg wet	1	"	"	"	"	
1,1-Dichloroethene	<0.25	0.25	0.017	mg/kg wet	1	"	"	"	"	
1,1-Dichloropropene	<0.25	0.25	0.019	mg/kg wet	1	"	"	"	"	
1,2,3-Trichlorobenzene	<0.25	0.25	0.0061	mg/kg wet	1	"	"	"	"	
1,2,3-Trichloropropane	<0.25	0.25	0.018	mg/kg wet	1	"	"	"	"	
1,2,4-Trichlorobenzene	<0.25	0.25	0.019	mg/kg wet	1	"	"	"	"	
1,2,4-Trimethylbenzene	<0.25	0.25	0.0080	mg/kg wet	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	<0.25	0.25	0.020	mg/kg wet	1	"	"	"	"	
1,2-Dibromoethane (EDB)	<0.25	0.25	0.019	mg/kg wet	1	"	"	"	"	
1,2-Dichlorobenzene	<0.25	0.25	0.011	mg/kg wet	1	"	"	"	"	
1,2-Dichloroethane	<0.25	0.25	0.015	mg/kg wet	1	"	"	"	"	
1,2-Dichloropropane	<0.25	0.25	0.013	mg/kg wet	1	"	"	"	"	
1,3,5-Trimethylbenzene	<0.25	0.25	0.012	mg/kg wet	1	"	"	"	"	
1,3-Dichlorobenzene	<0.25	0.25	0.014	mg/kg wet	1	"	"	"	"	
1,3-Dichloropropane	<0.25	0.25	0.0072	mg/kg wet	1	"	"	"	"	
1,4-Dichlorobenzene	<0.25	0.25	0.012	mg/kg wet	1	"	"	"	"	
2,2-Dichloropropane	<0.25	0.25	0.045	mg/kg wet	1	"	"	"	"	
2-Butanone	<2.0	2.0	0.023	mg/kg wet	1	"	"	"	"	

LEGEND Technical Services, Inc

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775 Vandalia Street
St Paul, MN 55114
651 642 1150

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

VOC GCMS 8260B
LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
Trip Blank (0401128-24) Soil Sampled: 06/02/04 00:00 Received: 06/04/04 10:58										
2-Chlorotoluene	<0.25	0.25	0.014	mg/kg wet	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
4-Chlorotoluene	<0.25	0.25	0.010	mg/kg wet	1	"	"	"	"	
Acetone	<2.0	2.0	0.032	mg/kg wet	1	"	"	"	"	
Allyl chloride	<0.25	0.25	0.019	mg/kg wet	1	"	"	"	"	
Benzene	<0.25	0.25	0.0084	mg/kg wet	1	"	"	"	"	
Bromobenzene	<0.25	0.25	0.017	mg/kg wet	1	"	"	"	"	
Bromochloromethane	<0.25	0.25	0.012	mg/kg wet	1	"	"	"	"	
Bromodichloromethane	<0.25	0.25	0.011	mg/kg wet	1	"	"	"	"	
Bromoform	<0.25	0.25	0.024	mg/kg wet	1	"	"	"	"	
Bromomethane	<0.25	0.25	0.056	mg/kg wet	1	"	"	"	"	
Carbon tetrachloride	<0.25	0.25	0.020	mg/kg wet	1	"	"	"	"	
Chlorobenzene	<0.25	0.25	0.016	mg/kg wet	1	"	"	"	"	
Chloroethane	<0.25	0.25	0.035	mg/kg wet	1	"	"	"	"	
Chloroform	<0.25	0.25	0.015	mg/kg wet	1	"	"	"	"	
Chloromethane	<0.25	0.25	0.020	mg/kg wet	1	"	"	"	"	
cis-1,2-Dichloroethene	<0.25	0.25	0.015	mg/kg wet	1	"	"	"	"	
cis-1,3-Dichloropropene	<0.25	0.25	0.018	mg/kg wet	1	"	"	"	"	
Dibromochloromethane	<0.25	0.25	0.015	mg/kg wet	1	"	"	"	"	
Dibromomethane	<0.25	0.25	0.023	mg/kg wet	1	"	"	"	"	
Dichlorodifluoromethane	<0.25	0.25	0.013	mg/kg wet	1	"	"	"	"	
Dichlorofluoromethane	<0.25	0.25	0.0047	mg/kg wet	1	"	"	"	"	
Ethyl ether	<0.25	0.25	0.023	mg/kg wet	1	"	"	"	"	
Ethylbenzene	<0.25	0.25	0.016	mg/kg wet	1	"	"	"	"	
Hexachlorobutadiene	<0.25	0.25	0.017	mg/kg wet	1	"	"	"	"	
Isopropylbenzene	<0.25	0.25	0.011	mg/kg wet	1	"	"	"	"	
m,p-Xylene	<0.50	0.50	0.038	mg/kg wet	1	"	"	"	"	
Methyl isobutyl ketone	<0.25	0.25	0.049	mg/kg wet	1	"	"	"	"	
Methyl tert-butyl ether	<0.25	0.25	0.016	mg/kg wet	1	"	"	"	"	
Methylene chloride	<1.5	1.5	0.020	mg/kg wet	1	"	"	"	"	
Naphthalene	<0.25	0.25	0.0048	mg/kg wet	1	"	"	"	"	
n-Butylbenzene	<0.25	0.25	0.011	mg/kg wet	1	"	"	"	"	
n-Propylbenzene	<0.25	0.25	0.010	mg/kg wet	1	"	"	"	"	

LEGEND Technical Services, Inc

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

 Project: 23/69-823INV240
 Project Number: 23/68-823INV240
 Project Manager: Mr. Ward Swanson

 Date Reported:
 June 24, 2004

VOC GCMS 8260B
LEGEND Technical Services, Inc

Analyte	Reporting		MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
Trip Blank (0401128-24) Soil Sampled: 06/02/04 00:00 Received: 06/04/04 10:58										
o-Xylene	<0.25	0.25	0.016	mg/kg wet	1	B4F1507	06/14/04	06/14/04	EPA 8260B	
p-Isopropyltoluene	<0.25	0.25	0.010	mg/kg wet	1	"	"	"	"	
sec-Butylbenzene	<0.25	0.25	0.012	mg/kg wet	1	"	"	"	"	
Styrene	<0.25	0.25	0.017	mg/kg wet	1	"	"	"	"	
tert-Butylbenzene	<0.25	0.25	0.012	mg/kg wet	1	"	"	"	"	
Tetrachloroethene	<0.25	0.25	0.014	mg/kg wet	1	"	"	"	"	
Tetrahydrofuran	<0.25	0.25	0.018	mg/kg wet	1	"	"	"	"	
Toluene	<0.25	0.25	0.014	mg/kg wet	1	"	"	"	"	
trans-1,2-Dichloroethene	<0.25	0.25	0.023	mg/kg wet	1	"	"	"	"	
trans-1,3-Dichloropropene	<0.25	0.25	0.013	mg/kg wet	1	"	"	"	"	
Trichloroethene	<0.25	0.25	0.019	mg/kg wet	1	"	"	"	"	
Trichlorofluoromethane	<0.25	0.25	0.017	mg/kg wet	1	"	"	"	"	
Vinyl chloride	<0.25	0.25	0.015	mg/kg wet	1	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	103			75-125 %		"	"	"	"	
Surrogate: Dibromofluoromethane	101			75-125 %		"	"	"	"	
Surrogate: Toluene-d8	112			75.5-125 %		"	"	"	"	

Barr Engineering Co.
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 Project: 23/69-823INV240
 Project Number: 23/68-823INV240
 Project Manager: Mr. Ward Swanson

 Date Reported:
 June 24, 2004

DRO/8015B - Quality Control

LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	%RPD Limit	Notes
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Batch B4F0908 - Sonication (Wisc DRO)

Blank (B4F0908-BLK1)

Prepared: 06/09/04 Analyzed: 06/10/04

Diesel Range Organics	<8.0	8.0	mg/kg wet					
Surrogate: C-30	12.6		mg/kg wet	16.0		78.8	60-130	

LCS (B4F0908-BS1)

Prepared: 06/09/04 Analyzed: 06/10/04

Diesel Range Organics	51.7	8.0	mg/kg wet	64.0		80.8	70-120	
Surrogate: C-30	13.3		mg/kg wet	16.0		83.1	60-130	

LCS Dup (B4F0908-BSD1)

Prepared: 06/09/04 Analyzed: 06/10/04

Diesel Range Organics	49.9	8.0	mg/kg wet	64.0		78.0	70-120	3.54 20
Surrogate: C-30	12.9		mg/kg wet	16.0		80.6	60-130	

Batch B4F1710 - Sonication (Wisc DRO)

Blank (B4F1710-BLK1)

Prepared: 06/17/04 Analyzed: 06/19/04

Diesel Range Organics	<8.0	8.0	mg/kg wet					
Surrogate: C-30	16.1		mg/kg wet	16.0		101	60-130	

LCS (B4F1710-BS1)

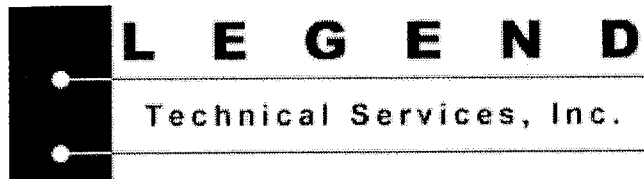
Prepared: 06/17/04 Analyzed: 06/19/04

Diesel Range Organics	62.5	8.0	mg/kg wet	64.0		97.7	70-120	
Surrogate: C-30	14.7		mg/kg wet	16.0		91.9	60-130	

LCS Dup (B4F1710-BSD1)

Prepared: 06/17/04 Analyzed: 06/19/04

Diesel Range Organics	51.7	8.0	mg/kg wet	64.0		80.8	70-120	18.9 20
Surrogate: C-30	14.4		mg/kg wet	16.0		90.0	60-130	



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Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

TOTAL METALS ANALYSIS - Quality Control
LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1101 - EPA 3050B

Blank (B4F1101-BLK1)

Prepared & Analyzed: 06/11/04

Arsenic	<0.50	0.50	mg/kg wet							
Barium	<1.0	1.0	mg/kg wet							
Cadmium	<0.25	0.25	mg/kg wet							
Chromium	<0.50	0.50	mg/kg wet							
Lead	<1.0	1.0	mg/kg wet							
Selenium	<0.50	0.50	mg/kg wet							
Silver	<0.25	0.25	mg/kg wet							

LCS (B4F1101-BS1)

Prepared & Analyzed: 06/11/04

Arsenic	40.0	0.50	mg/kg wet	40.0		100	80-120			
Barium	42.6	1.0	mg/kg wet	40.0		106	80-120			
Cadmium	41.8	0.25	mg/kg wet	40.0		104	80-120			
Chromium	41.1	0.50	mg/kg wet	40.0		103	80-120			
Lead	41.9	1.0	mg/kg wet	40.0		105	80-120			
Selenium	39.6	0.50	mg/kg wet	40.0		99.0	80-120			
Silver	4.05	0.25	mg/kg wet	4.00		101	80-120			

LCS Dup (B4F1101-BSD1)

Prepared & Analyzed: 06/11/04

Arsenic	40.2	0.50	mg/kg wet	40.0		100	80-120	0.499	20	
Barium	42.2	1.0	mg/kg wet	40.0		106	80-120	0.943	20	
Cadmium	41.8	0.25	mg/kg wet	40.0		104	80-120	0.00	20	
Chromium	41.1	0.50	mg/kg wet	40.0		103	80-120	0.00	20	
Lead	41.9	1.0	mg/kg wet	40.0		105	80-120	0.00	20	
Selenium	39.7	0.50	mg/kg wet	40.0		99.2	80-120	0.252	20	
Silver	4.01	0.25	mg/kg wet	4.00		100	80-120	0.993	20	

LEGEND Technical Services, Inc

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Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

TOTAL METALS ANALYSIS - Quality Control LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1101 - EPA 3050B

Matrix Spike (B4F1101-MS1)

Source: 0401128-02 Prepared & Analyzed: 06/11/04

Arsenic	48.7	0.56	mg/kg dry	45.2	5.18	96.3	75-125			
Barium	147	1.1	mg/kg dry	45.2	120	59.7	75-125			QM-07
Cadmium	43.3	0.28	mg/kg dry	45.2	1.24	93.1	75-125			
Chromium	60.5	0.56	mg/kg dry	45.2	16.3	97.8	75-125			
Lead	422	1.1	mg/kg dry	45.2	291	290	75-125			QM-4X
Selenium	41.2	0.56	mg/kg dry	45.2	<0.56	91.2	75-125			
Silver	4.35	0.28	mg/kg dry	4.52	<0.28	94.8	75-125			

Matrix Spike Dup (B4F1101-MSD1)

Source: 0401128-02 Prepared & Analyzed: 06/11/04

Arsenic	49.0	0.56	mg/kg dry	45.2	5.18	96.9	75-125	0.614	20	
Barium	165	1.1	mg/kg dry	45.2	120	99.6	75-125	11.5	20	
Cadmium	44.0	0.28	mg/kg dry	45.2	1.24	94.6	75-125	1.60	20	
Chromium	59.5	0.56	mg/kg dry	45.2	16.3	95.6	75-125	1.67	20	
Lead	370	1.1	mg/kg dry	45.2	291	175	75-125	13.1	20	QM-4X
Selenium	42.0	0.56	mg/kg dry	45.2	<0.56	92.9	75-125	1.92	20	
Silver	4.40	0.28	mg/kg dry	4.52	<0.28	95.9	75-125	1.14	20	

Batch B4F1103 - EPA 7471A

Blank (B4F1103-BLK1)

Prepared & Analyzed: 06/11/04

Mercury	<0.10	0.10	mg/kg wet							
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LCS (B4F1103-BS1)

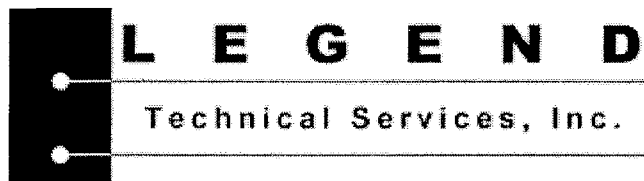
Prepared & Analyzed: 06/11/04

Mercury	0.205	0.10	mg/kg wet	0.200		102	80-120			
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LCS Dup (B4F1103-BSD1)

Prepared & Analyzed: 06/11/04

Mercury	0.204	0.10	mg/kg wet	0.200		102	80-120	0.489	20	
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Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

TOTAL METALS ANALYSIS - Quality Control

LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1103 - EPA 7471A

Matrix Spike (B4F1103-MS1)

Source: 0401128-02 Prepared & Analyzed: 06/11/04

Mercury	0.325	0.11	mg/kg dry	0.226	0.160	73.0	75-125			QM-07
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Matrix Spike Dup (B4F1103-MSD1)

Source: 0401128-02 Prepared & Analyzed: 06/11/04

Mercury	0.349	0.11	mg/kg dry	0.226	0.160	83.6	75-125	7.12	20	
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Batch B4F1403 - EPA 200.7/3005A Digestion

Blank (B4F1403-BLK1)

Prepared & Analyzed: 06/14/04

Arsenic	<0.010	0.010	mg/L							
Barium	<0.020	0.020	mg/L							
Cadmium	<0.0010	0.0010	mg/L							
Chromium	<0.010	0.010	mg/L							
Lead	<0.0030	0.0030	mg/L							
Selenium	<0.010	0.010	mg/L							
Silver	<0.0050	0.0050	mg/L							

LCS (B4F1403-BS1)

Prepared & Analyzed: 06/14/04

Arsenic	0.388	0.010	mg/L	0.400		97.0	80-120			
Barium	0.418	0.020	mg/L	0.400		104	80-120			
Cadmium	0.420	0.0010	mg/L	0.400		105	80-120			
Chromium	0.404	0.010	mg/L	0.400		101	80-120			
Lead	0.415	0.0030	mg/L	0.400		104	80-120			
Selenium	0.386	0.010	mg/L	0.400		96.5	80-120			
Silver	0.0389	0.0050	mg/L	0.0400		97.2	80-120			

LCS Dup (B4F1403-BSD1)

Prepared & Analyzed: 06/14/04

Arsenic	0.381	0.010	mg/L	0.400		95.2	80-120	1.82	20	
Barium	0.413	0.020	mg/L	0.400		103	80-120	1.20	20	

LEGEND Technical Services, Inc

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 Project: 23/69-823INV240
 Project Number: 23/68-823INV240
 Project Manager: Mr. Ward Swanson

 Date Reported:
 June 24, 2004

TOTAL METALS ANALYSIS - Quality Control

LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1403 - EPA 200.7/3005A Digestion

LCS Dup (B4F1403-BSD1)

Prepared & Analyzed: 06/14/04

Cadmium	0.415	0.0010	mg/L	0.400		104	80-120	1.20	20	
Chromium	0.399	0.010	mg/L	0.400		99.8	80-120	1.25	20	
Lead	0.410	0.0030	mg/L	0.400		102	80-120	1.21	20	
Selenium	0.384	0.010	mg/L	0.400		96.0	80-120	0.519	20	
Silver	0.0382	0.0050	mg/L	0.0400		95.5	80-120	1.82	20	

Matrix Spike (B4F1403-MS1)

Source: 0400966-01

Prepared & Analyzed: 06/14/04

Arsenic	0.603	0.010	mg/L	0.400	0.202	100	75-125			
Barium	0.415	0.020	mg/L	0.400	<0.020	104	75-125			
Cadmium	0.607	0.0010	mg/L	0.400	0.189	104	75-125			
Chromium	0.628	0.010	mg/L	0.400	0.226	100	75-125			
Lead	0.618	0.0030	mg/L	0.400	0.203	104	75-125			
Selenium	0.534	0.010	mg/L	0.400	0.141	98.2	75-125			
Silver	0.0391	0.0050	mg/L	0.0400	<0.0050	97.8	75-125			

Matrix Spike Dup (B4F1403-MSD1)

Source: 0400966-01

Prepared & Analyzed: 06/14/04

Arsenic	0.606	0.010	mg/L	0.400	0.202	101	75-125	0.496	20	
Barium	0.417	0.020	mg/L	0.400	<0.020	104	75-125	0.481	20	
Cadmium	0.609	0.0010	mg/L	0.400	0.189	105	75-125	0.329	20	
Chromium	0.629	0.010	mg/L	0.400	0.226	101	75-125	0.159	20	
Lead	0.620	0.0030	mg/L	0.400	0.203	104	75-125	0.323	20	
Selenium	0.539	0.010	mg/L	0.400	0.141	99.5	75-125	0.932	20	
Silver	0.0390	0.0050	mg/L	0.0400	<0.0050	97.5	75-125	0.256	20	

Batch B4F1405 - EPA 245.1/7470A Digestion

Blank (B4F1405-BLK1)

Prepared: 06/14/04 Analyzed: 06/15/04

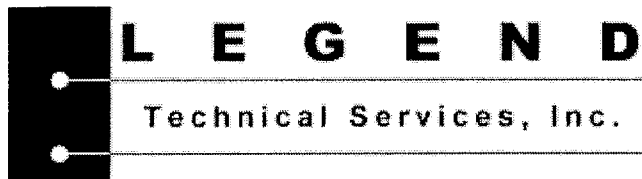
Barr Engineering Co.
4700 W 77th St
Minneapolis MN, 55435

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

TOTAL METALS ANALYSIS - Quality Control LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	%RPD Limit	Notes
Batch B4F1405 - EPA 245.1/7470A Digestion								
Blank (B4F1405-BLK1)								
Mercury	<0.00020	0.00020	mg/L					Prepared: 06/14/04 Analyzed: 06/15/04
LCS (B4F1405-BS1)								
Mercury	0.00198	0.00020	mg/L	0.00200		99.0 80-120		Prepared: 06/14/04 Analyzed: 06/15/04
LCS Dup (B4F1405-BSD1)								
Mercury	0.00204	0.00020	mg/L	0.00200		102 80-120	2.99 20	Prepared: 06/14/04 Analyzed: 06/15/04
Matrix Spike (B4F1405-MS1)								
Mercury	0.00202	0.00020	mg/L	0.00200	<0.00020	101 75-125		Source: 0401128-23 Prepared: 06/14/04 Analyzed: 06/15/04
Matrix Spike Dup (B4F1405-MSD1)								
Mercury	0.00192	0.00020	mg/L	0.00200	<0.00020	96.0 75-125	5.08 20	Source: 0401128-23 Prepared: 06/14/04 Analyzed: 06/15/04



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Project Manager: Mr. Ward Swanson

Date Reported:
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PERCENT SOLIDS - Quality Control
LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1008 - General Preparation

Duplicate (B4F1008-DUP1) Source: 0401128-01 Prepared: 06/10/04 Analyzed: 06/11/04

% Solids	87.0	%	88.0	1.14	20
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Duplicate (B4F1008-DUP2) Source: 0401141-01 Prepared: 06/10/04 Analyzed: 06/11/04

% Solids	93.0	%	92.0	1.08	20
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Duplicate (B4F1008-DUP3) Source: 0401152-07 Prepared: 06/10/04 Analyzed: 06/11/04

% Solids	96.0	%	96.0	0.00	20
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Batch B4F1401 - General Prep

Duplicate (B4F1401-DUP1) Source: 0401128-02 Prepared & Analyzed: 06/14/04

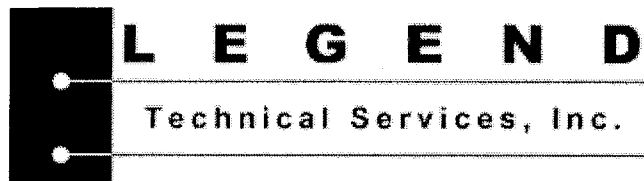
% Solids	89.8	%	88.5	1.46	20
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Duplicate (B4F1401-DUP2) Source: 0401151-01 Prepared & Analyzed: 06/14/04

% Solids	84.9	%	84.0	1.07	20
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Duplicate (B4F1401-DUP3) Source: 0401214-01 Prepared & Analyzed: 06/14/04

% Solids	85.8	%	88.3	2.87	20
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775 Vandalia Street
St Paul, MN 55114
651.642.1150

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C - Quality Control
LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1002 - EPA 3545 ASE Extraction

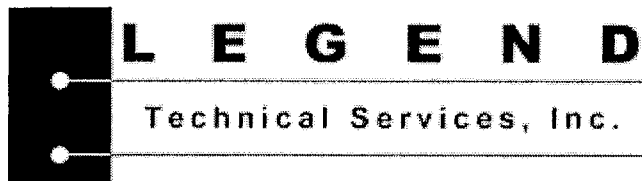
Blank (B4F1002-BLK1)

Prepared: 06/10/04 Analyzed: 06/11/04

1,2,4-Trichlorobenzene	<0.33	0.33	mg/kg wet
1,2-Dichlorobenzene	<0.33	0.33	mg/kg wet
1,3-Dichlorobenzene	<0.33	0.33	mg/kg wet
1,4-Dichlorobenzene	<0.33	0.33	mg/kg wet
2,3,4,6-Tetrachlorophenol	<0.33	0.33	mg/kg wet
2,4,5-Trichlorophenol	<0.33	0.33	mg/kg wet
2,4,6-Trichlorophenol	<0.33	0.33	mg/kg wet
2,4-Dichlorophenol	<0.33	0.33	mg/kg wet
2,4-Dimethylphenol	<0.33	0.33	mg/kg wet
2,4-Dinitrophenol	<0.33	0.33	mg/kg wet
2,4-Dinitrotoluene	<0.33	0.33	mg/kg wet
2,6-Dichlorophenol	<0.33	0.33	mg/kg wet
2,6-Dinitrotoluene	<0.33	0.33	mg/kg wet
2-Chloronaphthalene	<0.33	0.33	mg/kg wet
2-Chlorophenol	<0.33	0.33	mg/kg wet
2-Methylnaphthalene	<0.33	0.33	mg/kg wet
2-Methylphenol	<0.33	0.33	mg/kg wet
2-Nitroaniline	<0.33	0.33	mg/kg wet
2-Nitrophenol	<0.33	0.33	mg/kg wet
3,3'-Dichlorobenzidine	<1.6	1.6	mg/kg wet
3-Nitroaniline	<0.33	0.33	mg/kg wet
4,6-Dinitro-2-methylphenol	<0.33	0.33	mg/kg wet
4-Bromophenyl phenyl ether	<0.33	0.33	mg/kg wet
4-Chloro-3-methylphenol	<0.33	0.33	mg/kg wet

LEGEND Technical Services, Inc

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Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C - Quality Control
LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1002 - EPA 3545 ASE Extraction

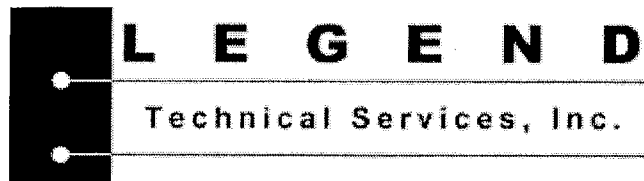
Blank (B4F1002-BLK1)

Prepared: 06/10/04 Analyzed: 06/11/04

4-Chloroaniline	<0.33	0.33	mg/kg wet
4-Chlorophenyl phenyl ether	<0.33	0.33	mg/kg wet
4-Methylphenol	<0.33	0.33	mg/kg wet
4-Nitroaniline	<0.33	0.33	mg/kg wet
4-Nitrophenol	<0.33	0.33	mg/kg wet
Acenaphthene	<0.33	0.33	mg/kg wet
Acenaphthylene	<0.33	0.33	mg/kg wet
Aniline	<0.33	0.33	mg/kg wet
Anthracene	<0.33	0.33	mg/kg wet
Azobenzene	<0.33	0.33	mg/kg wet
Benzidine	<3.7	3.7	mg/kg wet
Benzo (a) anthracene	<0.33	0.33	mg/kg wet
Benzo (a) pyrene	<0.33	0.33	mg/kg wet
Benzo (b) fluoranthene	<0.33	0.33	mg/kg wet
Benzo (g,h,i) perylene	<0.33	0.33	mg/kg wet
Benzo (k) fluoranthene	<0.33	0.33	mg/kg wet
Benzoic acid	<0.33	0.33	mg/kg wet
Benzyl alcohol	<0.33	0.33	mg/kg wet
Bis(2-chloroethoxy)methane	<0.33	0.33	mg/kg wet
Bis(2-chloroethyl)ether	<0.33	0.33	mg/kg wet
Bis(2-chloroisopropyl)ether	<0.33	0.33	mg/kg wet
Bis(2-ethylhexyl)phthalate	<0.33	0.33	mg/kg wet
Butyl benzyl phthalate	<0.33	0.33	mg/kg wet
Carbazole	<0.33	0.33	mg/kg wet

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SVOC SOIL 8270C - Quality Control
LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1002 - EPA 3545 ASE Extraction

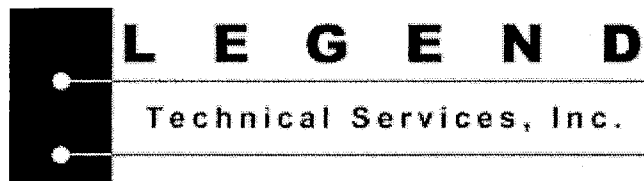
Blank (B4F1002-BLK1)

Prepared: 06/10/04 Analyzed: 06/11/04

Chrysene	<0.33	0.33	mg/kg wet							
Dibenz (a,h) anthracene	<0.33	0.33	mg/kg wet							
Dibenzofuran	<0.33	0.33	mg/kg wet							
Diethyl phthalate	<0.33	0.33	mg/kg wet							
Dimethyl phthalate	<0.33	0.33	mg/kg wet							
Di-n-butyl phthalate	<0.33	0.33	mg/kg wet							
Di-n-octyl phthalate	<0.33	0.33	mg/kg wet							
Fluoranthene	<0.33	0.33	mg/kg wet							
Fluorene	<0.33	0.33	mg/kg wet							
Hexachlorobenzene	<0.33	0.33	mg/kg wet							
Hexachlorobutadiene	<0.33	0.33	mg/kg wet							
Hexachlorocyclopentadiene	<0.33	0.33	mg/kg wet							
Hexachloroethane	<0.33	0.33	mg/kg wet							
Indeno (1,2,3-cd) pyrene	<0.33	0.33	mg/kg wet							
Isophorone	<0.33	0.33	mg/kg wet							
Naphthalene	<0.33	0.33	mg/kg wet							
Nitrobenzene	<0.33	0.33	mg/kg wet							
N-Nitrosodimethylamine	<0.33	0.33	mg/kg wet							
N-Nitrosodi-n-propylamine	<0.33	0.33	mg/kg wet							
N-Nitrosodiphenylamine	<0.33	0.33	mg/kg wet							
Pentachlorophenol	<0.33	0.33	mg/kg wet							
Phenanthrene	<0.33	0.33	mg/kg wet							
Phenol	<0.33	0.33	mg/kg wet							
Pyrene	<0.33	0.33	mg/kg wet							

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Project Manager: Mr. Ward Swanson

Date Reported:
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SVOC SOIL 8270C - Quality Control

LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1002 - EPA 3545 ASE Extraction

Blank (B4F1002-BLK1)

Prepared: 06/10/04 Analyzed: 06/11/04

Surrogate: 2,4,6-Tribromophenol	8.37		mg/kg wet	13.3		62.9	30-115			
Surrogate: 2-Fluorobiphenyl	4.62		mg/kg wet	6.67		69.3	38.1-115			
Surrogate: 2-Fluorophenol	7.99		mg/kg wet	13.3		60.1	30-115			
Surrogate: Nitrobenzene-d5	4.48		mg/kg wet	6.67		67.2	39.4-115			
Surrogate: Phenol-d5	8.02		mg/kg wet	13.3		60.3	30-115			
Surrogate: Terphenyl-dl4	5.84		mg/kg wet	6.67		87.6	36.1-115			

LCS (B4F1002-BS1)

Prepared: 06/10/04 Analyzed: 06/14/04

1,2,4-Trichlorobenzene	5.28	0.33	mg/kg wet	6.67		79.2	40.9-115			
1,4-Dichlorobenzene	5.06	0.33	mg/kg wet	6.67		75.9	41.5-115			
2,4-Dinitrotoluene	4.60	0.33	mg/kg wet	6.67		69.0	37.8-115			
2-Chlorophenol	11.2	0.33	mg/kg wet	13.3		84.2	42-115			
4-Chloro-3-methylphenol	8.93	0.33	mg/kg wet	13.3		67.1	38.7-115			
4-Nitrophenol	9.57	0.33	mg/kg wet	13.3		72.0	33-115			
Acenaphthene	5.10	0.33	mg/kg wet	6.67		76.5	37.5-115			
N-Nitrosodi-n-propylamine	5.34	0.33	mg/kg wet	6.67		80.1	41.8-115			
Pentachlorophenol	4.97	0.33	mg/kg wet	13.3		37.4	30-115			
Phenol	9.66	0.33	mg/kg wet	13.3		72.6	38-115			
Pyrene	3.69	0.33	mg/kg wet	6.67		55.3	30.2-115			
Surrogate: 2,4,6-Tribromophenol	9.96		mg/kg wet	13.3		74.9	30-115			
Surrogate: 2-Fluorobiphenyl	5.40		mg/kg wet	6.67		81.0	38.1-115			
Surrogate: 2-Fluorophenol	8.54		mg/kg wet	13.3		64.2	30-115			
Surrogate: Nitrobenzene-d5	5.51		mg/kg wet	6.67		82.6	39.4-115			
Surrogate: Phenol-d5	8.78		mg/kg wet	13.3		66.0	30-115			
Surrogate: Terphenyl-dl4	5.02		mg/kg wet	6.67		75.3	36.1-115			

Matrix Spike (B4F1002-MS1)

Source: 0401154-12 Prepared: 06/10/04 Analyzed: 06/11/04

1,2,4-Trichlorobenzene	6.01	0.37	mg/kg dry	7.48	<0.37	80.3	31.1-115			
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 June 24, 2004

SVOC SOIL 8270C - Quality Control

LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1002 - EPA 3545 ASE Extraction

Matrix Spike (B4F1002-MS1)

Source: 0401154-12 Prepared: 06/10/04 Analyzed: 06/11/04

1,4-Dichlorobenzene	6.07	0.37	mg/kg dry	7.48	<0.37	81.1	30-115			
2,4-Dinitrotoluene	5.40	0.37	mg/kg dry	7.48	<0.37	72.2	30-115			
2-Chlorophenol	13.2	0.37	mg/kg dry	15.0	<0.37	88.0	30-115			
4-Chloro-3-methylphenol	10.0	0.37	mg/kg dry	15.0	<0.37	66.7	30-115			
4-Nitrophenol	11.3	0.37	mg/kg dry	15.0	<0.37	75.3	30-115			
Acenaphthene	5.98	0.37	mg/kg dry	7.48	<0.37	78.1	30-115			
N-Nitrosodi-n-propylamine	5.73	0.37	mg/kg dry	7.48	<0.37	76.6	30-117			
Pentachlorophenol	10.3	0.37	mg/kg dry	15.0	<0.37	68.7	30-115			
Phenol	12.2	0.37	mg/kg dry	15.0	<0.37	81.3	30-115			
Pyrene	3.52	0.37	mg/kg dry	7.48	0.400	41.7	30-115			
Surrogate: 2,4,6-Tribromophenol	12.6		mg/kg dry	15.0		84.0	30-115			
Surrogate: 2-Fluorobiphenyl	6.48		mg/kg dry	7.48		86.6	38.1-115			
Surrogate: 2-Fluorophenol	9.96		mg/kg dry	15.0		66.4	30-115			
Surrogate: Nitrobenzene-d5	6.26		mg/kg dry	7.48		83.7	39.4-115			
Surrogate: Phenol-d5	10.6		mg/kg dry	15.0		70.7	30-115			
Surrogate: Terphenyl-d14	5.57		mg/kg dry	7.48		74.5	36.1-115			

Matrix Spike Dup (B4F1002-MSD1)

Source: 0401154-12 Prepared: 06/10/04 Analyzed: 06/11/04

1,2,4-Trichlorobenzene	6.03	0.37	mg/kg dry	7.50	<0.37	80.4	31.1-115	0.332	35.9	
1,4-Dichlorobenzene	5.90	0.37	mg/kg dry	7.50	<0.37	78.7	30-115	2.84	32.4	
2,4-Dinitrotoluene	5.43	0.37	mg/kg dry	7.50	<0.37	72.4	30-115	0.554	35.4	
2-Chlorophenol	13.0	0.37	mg/kg dry	15.0	<0.37	86.7	30-115	1.53	34.3	
4-Chloro-3-methylphenol	10.9	0.37	mg/kg dry	15.0	<0.37	72.7	30-115	8.61	37.5	
4-Nitrophenol	11.9	0.37	mg/kg dry	15.0	<0.37	79.3	30-115	5.17	40	
Acenaphthene	6.14	0.37	mg/kg dry	7.50	<0.37	80.1	30-115	2.64	40	
N-Nitrosodi-n-propylamine	5.88	0.37	mg/kg dry	7.50	<0.37	78.4	30-117	2.58	40	

Barr Engineering Co. 4700 W 77th St Minneapolis MN, 55435	Project: 23/69-823INV240 Project Number: 23/68-823INV240 Project Manager: Mr. Ward Swanson	Date Reported: June 24, 2004
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SVOC SOIL 8270C - Quality Control
LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1002 - EPA 3545 ASE Extraction

Matrix Spike Dup (B4F1002-MSD1)

Source: 0401154-12 Prepared: 06/10/04 Analyzed: 06/11/04

Pentachlorophenol	10.9	0.37	mg/kg dry	15.0	<0.37	72.7	30-115	5.66	40	
Phenol	12.6	0.37	mg/kg dry	15.0	<0.37	84.0	30-115	3.23	30	
Pyrene	3.74	0.37	mg/kg dry	7.50	0.400	44.5	30-115	6.06	37.8	
Surrogate: 2,4,6-Tribromophenol	13.7		mg/kg dry	15.0		91.3	30-115			
Surrogate: 2-Fluorobiphenyl	6.32		mg/kg dry	7.50		84.3	38.1-115			
Surrogate: 2-Fluorophenol	9.86		mg/kg dry	15.0		65.7	30-115			
Surrogate: Nitrobenzene-d5	6.34		mg/kg dry	7.50		84.5	39.4-115			
Surrogate: Phenol-d5	10.7		mg/kg dry	15.0		71.3	30-115			
Surrogate: Terphenyl-d14	5.64		mg/kg dry	7.50		75.2	36.1-115			

Batch B4F1116 - EPA 3545 ASE Extraction

Blank (B4F1116-BLK1)

Prepared & Analyzed: 06/14/04

1,2,4-Trichlorobenzene	<0.33	0.33	mg/kg wet
1,2-Dichlorobenzene	<0.33	0.33	mg/kg wet
1,3-Dichlorobenzene	<0.33	0.33	mg/kg wet
1,4-Dichlorobenzene	<0.33	0.33	mg/kg wet
2,3,4,6-Tetrachlorophenol	<0.33	0.33	mg/kg wet
2,4,5-Trichlorophenol	<0.33	0.33	mg/kg wet
2,4,6-Trichlorophenol	<0.33	0.33	mg/kg wet
2,4-Dichlorophenol	<0.33	0.33	mg/kg wet
2,4-Dimethylphenol	<0.33	0.33	mg/kg wet
2,4-Dinitrophenol	<0.33	0.33	mg/kg wet
2,4-Dinitrotoluene	<0.33	0.33	mg/kg wet
2,6-Dichlorophenol	<0.33	0.33	mg/kg wet
2,6-Dinitrotoluene	<0.33	0.33	mg/kg wet
2-Chloronaphthalene	<0.33	0.33	mg/kg wet

Barr Engineering Co. 4700 W 77th St Minneapolis MN, 55435	Project: 23/69-823INV240 Project Number: 23/68-823INV240 Project Manager: Mr. Ward Swanson	Date Reported: June 24, 2004
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SVOC SOIL 8270C - Quality Control
LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1116 - EPA 3545 ASE Extraction

Blank (B4F1116-BLK1)

Prepared & Analyzed: 06/14/04

2-Chlorophenol	<0.33	0.33	mg/kg wet							
2-Methylnaphthalene	<0.33	0.33	mg/kg wet							
2-Methylphenol	<0.33	0.33	mg/kg wet							
2-Nitroaniline	<0.33	0.33	mg/kg wet							
2-Nitrophenol	<0.33	0.33	mg/kg wet							
3,3'-Dichlorobenzidine	<1.6	1.6	mg/kg wet							
3-Nitroaniline	<0.33	0.33	mg/kg wet							
4,6-Dinitro-2-methylphenol	<0.33	0.33	mg/kg wet							
4-Bromophenyl phenyl ether	<0.33	0.33	mg/kg wet							
4-Chloro-3-methylphenol	<0.33	0.33	mg/kg wet							
4-Chloroaniline	<0.33	0.33	mg/kg wet							
4-Chlorophenyl phenyl ether	<0.33	0.33	mg/kg wet							
4-Methylphenol	<0.33	0.33	mg/kg wet							
4-Nitroaniline	<0.33	0.33	mg/kg wet							
4-Nitrophenol	<0.33	0.33	mg/kg wet							
Acenaphthene	<0.33	0.33	mg/kg wet							
Acenaphthylene	<0.33	0.33	mg/kg wet							
Aniline	<0.33	0.33	mg/kg wet							
Anthracene	<0.33	0.33	mg/kg wet							
Azobenzene	<0.33	0.33	mg/kg wet							
Benzidine	<3.7	3.7	mg/kg wet							
Benzo (a) anthracene	<0.33	0.33	mg/kg wet							
Benzo (a) pyrene	<0.33	0.33	mg/kg wet							
Benzo (b) fluoranthene	<0.33	0.33	mg/kg wet							

Barr Engineering Co.
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 Project: 23/69-823INV240
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 Project Manager: Mr. Ward Swanson

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 June 24, 2004

SVOC SOIL 8270C - Quality Control

LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1116 - EPA 3545 ASE Extraction

Blank (B4F1116-BLK1)

Prepared & Analyzed: 06/14/04

Benzo (g,h,i) perylene	<0.33	0.33	mg/kg wet
Benzo (k) fluoranthene	<0.33	0.33	mg/kg wet
Benzoic acid	<0.33	0.33	mg/kg wet
Benzyl alcohol	<0.33	0.33	mg/kg wet
Bis(2-chloroethoxy)methane	<0.33	0.33	mg/kg wet
Bis(2-chloroethyl)ether	<0.33	0.33	mg/kg wet
Bis(2-chloroisopropyl)ether	<0.33	0.33	mg/kg wet
Bis(2-ethylhexyl)phthalate	<0.33	0.33	mg/kg wet
Butyl benzyl phthalate	<0.33	0.33	mg/kg wet
Carbazole	<0.33	0.33	mg/kg wet
Chrysene	<0.33	0.33	mg/kg wet
Dibenz (a,h) anthracene	<0.33	0.33	mg/kg wet
Dibenzofuran	<0.33	0.33	mg/kg wet
Diethyl phthalate	<0.33	0.33	mg/kg wet
Dimethyl phthalate	<0.33	0.33	mg/kg wet
Di-n-butyl phthalate	<0.33	0.33	mg/kg wet
Di-n-octyl phthalate	<0.33	0.33	mg/kg wet
Fluoranthene	<0.33	0.33	mg/kg wet
Fluorene	<0.33	0.33	mg/kg wet
Hexachlorobenzene	<0.33	0.33	mg/kg wet
Hexachlorobutadiene	<0.33	0.33	mg/kg wet
Hexachlorocyclopentadiene	<0.33	0.33	mg/kg wet
Hexachloroethane	<0.33	0.33	mg/kg wet
Indeno (1,2,3-cd) pyrene	<0.33	0.33	mg/kg wet

Barr Engineering Co. 4700 W 77th St Minneapolis MN, 55435	Project: 23/69-823INV240 Project Number: 23/68-823INV240 Project Manager: Mr. Ward Swanson	Date Reported: June 24, 2004
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SVOC SOIL 8270C - Quality Control
LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1116 - EPA 3545 ASE Extraction

Blank (B4F1116-BLK1)

Prepared & Analyzed: 06/14/04

Isophorone	<0.33	0.33	mg/kg wet						
Naphthalene	<0.33	0.33	mg/kg wet						
Nitrobenzene	<0.33	0.33	mg/kg wet						
N-Nitrosodimethylamine	<0.33	0.33	mg/kg wet						
N-Nitrosodi-n-propylamine	<0.33	0.33	mg/kg wet						
N-Nitrosodiphenylamine	<0.33	0.33	mg/kg wet						
Pentachlorophenol	<0.33	0.33	mg/kg wet						
Phenanthrene	<0.33	0.33	mg/kg wet						
Phenol	<0.33	0.33	mg/kg wet						
Pyrene	<0.33	0.33	mg/kg wet						
Surrogate: 2,4,6-Tribromophenol	9.98		mg/kg wet	13.3		75.0		30-115	
Surrogate: 2-Fluorobiphenyl	5.53		mg/kg wet	6.67		82.9		38.1-115	
Surrogate: 2-Fluorophenol	8.55		mg/kg wet	13.3		64.3		30-115	
Surrogate: Nitrobenzene-d5	5.34		mg/kg wet	6.67		80.1		39.4-115	
Surrogate: Phenol-d5	9.46		mg/kg wet	13.3		71.1		30-115	
Surrogate: Terphenyl-d14	5.01		mg/kg wet	6.67		75.1		36.1-115	

LCS (B4F1116-BS1)

Prepared & Analyzed: 06/14/04

1,2,4-Trichlorobenzene	4.65	0.33	mg/kg wet	6.67		69.7		40.9-115	
1,4-Dichlorobenzene	4.40	0.33	mg/kg wet	6.67		66.0		41.5-115	
2,4-Dinitrotoluene	4.10	0.33	mg/kg wet	6.67		61.5		37.8-115	
2-Chlorophenol	9.51	0.33	mg/kg wet	13.3		71.5		42-115	
4-Chloro-3-methylphenol	7.91	0.33	mg/kg wet	13.3		59.5		38.7-115	
4-Nitrophenol	8.87	0.33	mg/kg wet	13.3		66.7		33-115	
Acenaphthene	4.22	0.33	mg/kg wet	6.67		63.3		37.5-115	
N-Nitrosodi-n-propylamine	4.76	0.33	mg/kg wet	6.67		71.4		41.8-115	

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 Project Manager: Mr. Ward Swanson

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SVOC SOIL 8270C - Quality Control

LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1116 - EPA 3545 ASE Extraction

LCS (B4F1116-BS1)

Prepared & Analyzed: 06/14/04

Pentachlorophenol	8.01	0.33	mg/kg wet	13.3		60.2	30-115			
Phenol	8.28	0.33	mg/kg wet	13.3		62.3	38-115			
Pyrene	2.88	0.33	mg/kg wet	6.67		43.2	30.2-115			
Surrogate: 2,4,6-Tribromophenol	9.20		mg/kg wet	13.3		69.2	30-115			
Surrogate: 2-Fluorobiphenyl	4.59		mg/kg wet	6.67		68.8	38.1-115			
Surrogate: 2-Fluorophenol	7.61		mg/kg wet	13.3		57.2	30-115			
Surrogate: Nitrobenzene-d5	4.89		mg/kg wet	6.67		73.3	39.4-115			
Surrogate: Phenol-d5	7.87		mg/kg wet	13.3		59.2	30-115			
Surrogate: Terphenyl-dl4	4.52		mg/kg wet	6.67		67.8	36.1-115			

Matrix Spike (B4F1116-MS1)

Source: 0401246-01 Prepared & Analyzed: 06/14/04

1,2,4-Trichlorobenzene	6.83	0.61	mg/kg dry	12.3	<0.61	55.5	31.1-115			
1,4-Dichlorobenzene	6.53	0.61	mg/kg dry	12.3	<0.61	53.1	30-115			
2,4-Dinitrotoluene	5.85	0.61	mg/kg dry	12.3	<0.61	47.6	30-115			
2-Chlorophenol	13.6	0.61	mg/kg dry	24.6	<0.61	55.3	30-115			
4-Chloro-3-methylphenol	13.6	0.61	mg/kg dry	24.6	<0.61	55.3	30-115			
4-Nitrophenol	9.73	0.61	mg/kg dry	24.6	<0.61	39.6	30-115			
Acenaphthene	6.45	0.61	mg/kg dry	12.3	<0.61	50.8	30-115			
N-Nitrosodi-n-propylamine	6.61	0.61	mg/kg dry	12.3	<0.61	53.7	30-117			
Pentachlorophenol	8.84	0.61	mg/kg dry	24.6	<0.61	35.9	30-115			
Phenol	13.0	0.61	mg/kg dry	24.6	<0.61	52.8	30-115			
Pyrene	6.87	0.61	mg/kg dry	12.3	1.26	45.6	30-115			
Surrogate: 2,4,6-Tribromophenol	13.7		mg/kg dry	24.6		55.7	30-115			
Surrogate: 2-Fluorobiphenyl	6.85		mg/kg dry	12.3		55.7	38.1-115			
Surrogate: 2-Fluorophenol	13.4		mg/kg dry	24.6		54.5	30-115			
Surrogate: Nitrobenzene-d5	7.33		mg/kg dry	12.3		59.6	39.4-115			
Surrogate: Phenol-d5	13.6		mg/kg dry	24.6		55.3	30-115			
Surrogate: Terphenyl-dl4	9.45		mg/kg dry	12.3		76.8	36.1-115			

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Barr Engineering Co.
4700 W 77th St
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Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

SVOC SOIL 8270C - Quality Control LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1116 - EPA 3545 ASE Extraction

Matrix Spike Dup (B4F1116-MSD1)

Source: 0401246-01

Prepared & Analyzed: 06/14/04

1,2,4-Trichlorobenzene	7.14	0.61	mg/kg dry	12.3	<0.61	58.0	31.1-115	4.44	35.9	
1,4-Dichlorobenzene	6.91	0.61	mg/kg dry	12.3	<0.61	56.2	30-115	5.65	32.4	
2,4-Dinitrotoluene	5.92	0.61	mg/kg dry	12.3	<0.61	48.1	30-115	1.19	35.4	
2-Chlorophenol	14.5	0.61	mg/kg dry	24.6	<0.61	58.9	30-115	6.41	34.3	
4-Chloro-3-methylphenol	14.2	0.61	mg/kg dry	24.6	<0.61	57.7	30-115	4.32	37.5	
4-Nitrophenol	10.9	0.61	mg/kg dry	24.6	<0.61	44.3	30-115	11.3	40	
Acenaphthene	6.76	0.61	mg/kg dry	12.3	<0.61	53.3	30-115	4.69	40	
N-Nitrosodi-n-propylamine	7.00	0.61	mg/kg dry	12.3	<0.61	56.9	30-117	5.73	40	
Pentachlorophenol	9.51	0.61	mg/kg dry	24.6	<0.61	38.7	30-115	7.30	40	
Phenol	13.7	0.61	mg/kg dry	24.6	<0.61	55.7	30-115	5.24	30	
Pyrene	7.38	0.61	mg/kg dry	12.3	1.26	49.8	30-115	7.16	37.8	
Surrogate: 2,4,6-Tribromophenol	14.5		mg/kg dry	24.6		58.9	30-115			
Surrogate: 2-Fluorobiphenyl	7.47		mg/kg dry	12.3		60.7	38.1-115			
Surrogate: 2-Fluorophenol	14.5		mg/kg dry	24.6		58.9	30-115			
Surrogate: Nitrobenzene-d5	7.63		mg/kg dry	12.3		62.0	39.4-115			
Surrogate: Phenol-d5	14.4		mg/kg dry	24.6		58.5	30-115			
Surrogate: Terphenyl-d14	10.4		mg/kg dry	12.3		84.6	36.1-115			

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Project Number: 23/68-823INV240
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Date Reported:
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SVOC WATER 8270C - Quality Control

LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	%RPD Limit	Notes
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Batch B4F1012 - EPA 3510C (Sep Funnel)

Blank (B4F1012-BLK1)

Prepared & Analyzed: 06/10/04

1,2,4-Trichlorobenzene	<10	10	ug/L
1,2-Dichlorobenzene	<10	10	ug/L
1,3-Dichlorobenzene	<10	10	ug/L
1,4-Dichlorobenzene	<10	10	ug/L
2,3,4,6-Tetrachlorophenol	<10	10	ug/L
2,4,5-Trichlorophenol	<10	10	ug/L
2,4,6-Trichlorophenol	<10	10	ug/L
2,4-Dichlorophenol	<10	10	ug/L
2,4-Dimethylphenol	<10	10	ug/L
2,4-Dinitrophenol	<20	20	ug/L
2,4-Dinitrotoluene	<10	10	ug/L
2,6-Dichlorophenol	<10	10	ug/L
2,6-Dinitrotoluene	<10	10	ug/L
2-Chloronaphthalene	<10	10	ug/L
2-Chlorophenol	<10	10	ug/L
2-Methylnaphthalene	<10	10	ug/L
2-Methylphenol	<10	10	ug/L
2-Nitroaniline	<10	10	ug/L
2-Nitrophenol	<10	10	ug/L
3,3'-Dichlorobenzidine	<40	40	ug/L
3-Nitroaniline	<10	10	ug/L
4,6-Dinitro-2-methylphenol	<20	20	ug/L
4-Bromophenyl phenyl ether	<10	10	ug/L
4-Chloro-3-methylphenol	<10	10	ug/L

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SVOC WATER 8270C - Quality Control

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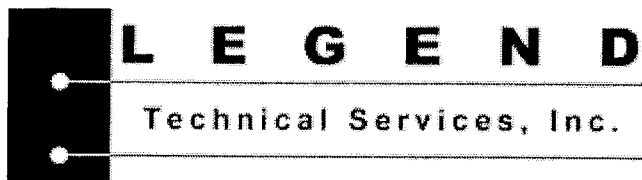
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1012 - EPA 3510C (Sep Funnel)

Blank (B4F1012-BLK1)

Prepared & Analyzed: 06/10/04

4-Chloroaniline	<20	20	ug/L
4-Chlorophenyl phenyl ether	<10	10	ug/L
4-Methylphenol	<10	10	ug/L
4-Nitroaniline	<10	10	ug/L
4-Nitrophenol	<20	20	ug/L
Acenaphthene	<10	10	ug/L
Acenaphthylene	<10	10	ug/L
Aniline	<10	10	ug/L
Anthracene	<10	10	ug/L
Azobenzene	<10	10	ug/L
Benzidine	<55	55	ug/L
Benzo (a) anthracene	<10	10	ug/L
Benzo (a) pyrene	<10	10	ug/L
Benzo (b) fluoranthene	<10	10	ug/L
Benzo (g,h,i) perylene	<10	10	ug/L
Benzo (k) fluoranthene	<10	10	ug/L
Benzoic acid	<10	10	ug/L
Benzyl alcohol	<10	10	ug/L
Bis(2-chloroethoxy)methane	<10	10	ug/L
Bis(2-chloroethyl)ether	<10	10	ug/L
Bis(2-chloroisopropyl)ether	<10	10	ug/L
Bis(2-ethylhexyl)phthalate	<10	10	ug/L
Butyl benzyl phthalate	<10	10	ug/L
Carbazole	<10	10	ug/L



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Date Reported:
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SVOC WATER 8270C - Quality Control
LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1012 - EPA 3510C (Sep Funnel)

Blank (B4F1012-BLK1)

Prepared & Analyzed: 06/10/04

Chrysene	<10	10	ug/L
Dibenz (a,h) anthracene	<10	10	ug/L
Dibenzofuran	<10	10	ug/L
Diethyl phthalate	<10	10	ug/L
Dimethyl phthalate	<10	10	ug/L
Di-n-butyl phthalate	<10	10	ug/L
Di-n-octyl phthalate	<10	10	ug/L
Fluoranthene	<10	10	ug/L
Fluorene	<10	10	ug/L
Hexachlorobenzene	<10	10	ug/L
Hexachlorobutadiene	<10	10	ug/L
Hexachlorocyclopentadiene	<10	10	ug/L
Hexachloroethane	<10	10	ug/L
Indeno (1,2,3-cd) pyrene	<10	10	ug/L
Isophorone	<10	10	ug/L
Naphthalene	<10	10	ug/L
Nitrobenzene	<10	10	ug/L
N-Nitrosodimethylamine	<10	10	ug/L
N-Nitrosodi-n-propylamine	<10	10	ug/L
N-Nitrosodiphenylamine	<10	10	ug/L
Pentachlorophenol	<10	10	ug/L
Phenanthrene	<10	10	ug/L
Phenol	<10	10	ug/L
Pyrene	<10	10	ug/L

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SVOC WATER 8270C - Quality Control

LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1012 - EPA 3510C (Sep Funnel)

Blank (B4F1012-BLK1)

Prepared & Analyzed: 06/10/04

Surrogate: 2,4,6-Tribromophenol	6.25		ug/L	200		3.12	42.6-115			S-02
Surrogate: 2-Fluorobiphenyl	2.36		ug/L	100		2.36	48.6-115			S-02
Surrogate: 2-Fluorophenol	4.86		ug/L	200		2.43	30-115			S-02
Surrogate: Nitrobenzene-d5	2.59		ug/L	100		2.59	56.8-115			S-02
Surrogate: Phenol-d5	4.29		ug/L	200		2.14	30-115			S-02
Surrogate: Terphenyl-dl4	2.40		ug/L	100		2.40	37.1-115.2			S-02

LCS (B4F1012-BS1)

Prepared & Analyzed: 06/10/04

1,2,4-Trichlorobenzene	57.2	10	ug/L	100		57.2	52.6-115			
1,4-Dichlorobenzene	58.7	10	ug/L	100		58.7	47.5-115			
2,4-Dinitrotoluene	62.0	10	ug/L	100		62.0	59.1-115			
2-Chlorophenol	59.1	10	ug/L	100		59.1	41-115			
4-Chloro-3-methylphenol	56.3	10	ug/L	100		56.3	52.4-115			
4-Nitrophenol	54.5	20	ug/L	100		54.5	54.2-115			
Acenaphthene	57.8	10	ug/L	100		57.8	61.3-115			L2a
N-Nitrosodi-n-propylamine	58.8	10	ug/L	100		58.8	58-115			
Pentachlorophenol	60.5	10	ug/L	100		60.5	44.1-115			
Phenol	37.9	10	ug/L	100		37.9	35.8-115			
Pyrene	55.2	10	ug/L	100		55.2	37.5-120			
Surrogate: 2,4,6-Tribromophenol	105		ug/L	200		52.5	42.6-115			
Surrogate: 2-Fluorobiphenyl	58.8		ug/L	100		58.8	48.6-115			
Surrogate: 2-Fluorophenol	85.4		ug/L	200		42.7	30-115			
Surrogate: Nitrobenzene-d5	58.3		ug/L	100		58.3	56.8-115			
Surrogate: Phenol-d5	79.2		ug/L	200		39.6	30-115			
Surrogate: Terphenyl-dl4	55.8		ug/L	100		55.8	37.1-115.2			

LCS Dup (B4F1012-BSD1)

Prepared & Analyzed: 06/10/04

1,2,4-Trichlorobenzene	68.3	10	ug/L	100		68.3	52.6-115	17.7	20	
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SVOC WATER 8270C - Quality Control

LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	%RPD Limit	Notes
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Batch B4F1012 - EPA 3510C (Sep Funnel)

LCS Dup (B4F1012-BSD1)

Prepared & Analyzed: 06/10/04

1,4-Dichlorobenzene	69.5	10	ug/L	100		69.5 47.5-115	16.8	20.5
2,4-Dinitrotoluene	69.2	10	ug/L	100		69.2 59.1-115	11.0	27.4
2-Chlorophenol	64.9	10	ug/L	100		64.9 41-115	9.35	24.5
4-Chloro-3-methylphenol	62.8	10	ug/L	100		62.8 52.4-115	10.9	27.2
4-Nitrophenol	60.8	20	ug/L	100		60.8 54.2-115	10.9	30
Acenaphthene	66.8	10	ug/L	100		66.8 61.3-115	14.4	20.1
N-Nitrosodi-n-propylamine	66.0	10	ug/L	100		66.0 58-115	11.5	20.2
Pentachlorophenol	68.9	10	ug/L	100		68.9 44.1-115	13.0	24.2
Phenol	42.2	10	ug/L	100		42.2 35.8-115	10.7	23.8
Pyrene	62.9	10	ug/L	100		62.9 37.5-120	13.0	25
Surrogate: 2,4,6-Tribromophenol	118		ug/L	200		59.0 42.6-115		
Surrogate: 2-Fluorobiphenyl	69.1		ug/L	100		69.1 48.6-115		
Surrogate: 2-Fluorophenol	96.3		ug/L	200		48.2 30-115		
Surrogate: Nitrobenzene-d5	67.2		ug/L	100		67.2 56.8-115		
Surrogate: Phenol-d5	89.2		ug/L	200		44.6 30-115		
Surrogate: Terphenyl-d14	66.9		ug/L	100		66.9 37.1-115.2		

Barr Engineering Co.
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Project Manager: Mr. Ward Swanson

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VOC GCMS 8260B - Quality Control LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	%REC	%RPD Limit	%RPD	Notes
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Batch B4F1507 - Volatiles

Blank (B4F1507-BLK1)

Prepared & Analyzed: 06/14/04

1,1,1,2-Tetrachloroethane	<0.25	0.25	mg/kg wet							
1,1,1-Trichloroethane	<0.25	0.25	mg/kg wet							
1,1,2,2-Tetrachloroethane	<0.25	0.25	mg/kg wet							
1,1,2-Trichloroethane	<0.25	0.25	mg/kg wet							
1,1,2-Trichlorotrifluoroethane	<0.25	0.25	mg/kg wet							
1,1-Dichloroethane	<0.25	0.25	mg/kg wet							
1,1-Dichloroethene	<0.25	0.25	mg/kg wet							
1,1-Dichloropropene	<0.25	0.25	mg/kg wet							
1,2,3-Trichlorobenzene	<0.25	0.25	mg/kg wet							
1,2,3-Trichloropropane	<0.25	0.25	mg/kg wet							
1,2,4-Trichlorobenzene	<0.25	0.25	mg/kg wet							
1,2,4-Trimethylbenzene	<0.25	0.25	mg/kg wet							
1,2-Dibromo-3-chloropropane	<0.25	0.25	mg/kg wet							
1,2-Dibromoethane (EDB)	<0.25	0.25	mg/kg wet							
1,2-Dichlorobenzene	<0.25	0.25	mg/kg wet							
1,2-Dichloroethane	<0.25	0.25	mg/kg wet							
1,2-Dichloropropane	<0.25	0.25	mg/kg wet							
1,3,5-Trimethylbenzene	<0.25	0.25	mg/kg wet							
1,3-Dichlorobenzene	<0.25	0.25	mg/kg wet							
1,3-Dichloropropane	<0.25	0.25	mg/kg wet							
1,4-Dichlorobenzene	<0.25	0.25	mg/kg wet							
2,2-Dichloropropane	<0.25	0.25	mg/kg wet							
2-Butanone	<2.0	2.0	mg/kg wet							
2-Chlorotoluene	<0.25	0.25	mg/kg wet							

Barr Engineering Co. 4700 W 77th St Minneapolis MN, 55435	Project: 23/69-823INV240 Project Number: 23/68-823INV240 Project Manager: Mr. Ward Swanson	Date Reported: June 24, 2004
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VOC GCMS 8260B - Quality Control
LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	%RPD Limit	Notes
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Batch B4F1507 - Volatiles

Blank (B4F1507-BLK1)

Prepared & Analyzed: 06/14/04

4-Chlorotoluene	<0.25	0.25	mg/kg wet					
Acetone	<2.0	2.0	mg/kg wet					
Allyl chloride	<0.25	0.25	mg/kg wet					
Benzene	<0.25	0.25	mg/kg wet					
Bromobenzene	<0.25	0.25	mg/kg wet					
Bromochloromethane	<0.25	0.25	mg/kg wet					
Bromodichloromethane	<0.25	0.25	mg/kg wet					
Bromoform	<0.25	0.25	mg/kg wet					
Bromomethane	<0.25	0.25	mg/kg wet					
Carbon tetrachloride	<0.25	0.25	mg/kg wet					
Chlorobenzene	<0.25	0.25	mg/kg wet					
Chloroethane	<0.25	0.25	mg/kg wet					
Chloroform	<0.25	0.25	mg/kg wet					
Chloromethane	<0.25	0.25	mg/kg wet					
cis-1,2-Dichloroethene	<0.25	0.25	mg/kg wet					
cis-1,3-Dichloropropene	<0.25	0.25	mg/kg wet					
Dibromochloromethane	<0.25	0.25	mg/kg wet					
Dibromomethane	<0.25	0.25	mg/kg wet					
Dichlorodifluoromethane	<0.25	0.25	mg/kg wet					
Dichlorofluoromethane	<0.25	0.25	mg/kg wet					
Ethyl ether	<0.25	0.25	mg/kg wet					
Ethylbenzene	<0.25	0.25	mg/kg wet					
Hexachlorobutadiene	<0.25	0.25	mg/kg wet					
Isopropylbenzene	<0.25	0.25	mg/kg wet					

Barr Engineering Co. 4700 W 77th St Minneapolis MN, 55435	Project: 23/69-823INV240 Project Number: 23/68-823INV240 Project Manager: Mr. Ward Swanson	Date Reported: June 24, 2004
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VOC GCMS 8260B - Quality Control
LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1507 - Volatiles

Blank (B4F1507-BLK1)

Prepared & Analyzed: 06/14/04

m,p-Xylene	<0.50	0.50	mg/kg wet							
Methyl isobutyl ketone	<0.25	0.25	mg/kg wet							
Methyl tert-butyl ether	<0.25	0.25	mg/kg wet							
Methylene chloride	<1.5	1.5	mg/kg wet							
Naphthalene	<0.25	0.25	mg/kg wet							
n-Butylbenzene	<0.25	0.25	mg/kg wet							
n-Propylbenzene	<0.25	0.25	mg/kg wet							
o-Xylene	<0.25	0.25	mg/kg wet							
p-Isopropyltoluene	<0.25	0.25	mg/kg wet							
sec-Butylbenzene	<0.25	0.25	mg/kg wet							
Styrene	<0.25	0.25	mg/kg wet							
tert-Butylbenzene	<0.25	0.25	mg/kg wet							
Tetrachloroethene	<0.25	0.25	mg/kg wet							
Tetrahydrofuran	<0.25	0.25	mg/kg wet							
Toluene	<0.25	0.25	mg/kg wet							
trans-1,2-Dichloroethene	<0.25	0.25	mg/kg wet							
trans-1,3-Dichloropropene	<0.25	0.25	mg/kg wet							
Trichloroethene	<0.25	0.25	mg/kg wet							
Trichlorofluoromethane	<0.25	0.25	mg/kg wet							
Vinyl chloride	<0.25	0.25	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	46.1		ug/L	50.0		92.2	75-125			
Surrogate: Dibromofluoromethane	50.6		ug/L	50.0		101	75-125			
Surrogate: Toluene-d8	53.9		ug/L	50.0		108	75.5-125			

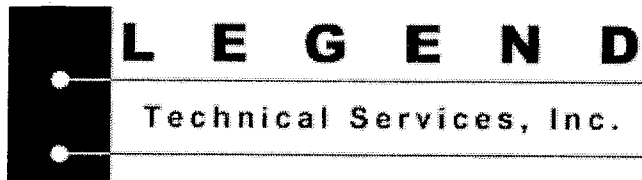
LCS (B4F1507-BS1)

Prepared: 06/14/04 Analyzed: 06/15/04

1,1-Dichloroethene	44.4		ug/L	50.0		88.8	80-120			
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LEGEND Technical Services, Inc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



775 Vandalia Street
St Paul, MN 55114
651 642.1150

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

VOC GCMS 8260B - Quality Control LEGEND Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B4F1507 - Volatiles

LCS (B4F1507-BS1)

Prepared: 06/14/04 Analyzed: 06/15/04

Benzene	52.2		ug/L	50.0		104	80-120			
Chlorobenzene	50.6		ug/L	50.0		101	80-120			
Toluene	51.3		ug/L	50.0		103	80-120			
Trichloroethene	49.2		ug/L	50.0		98.4	80-120			
Surrogate: 4-Bromofluorobenzene	46.8		ug/L	50.0		93.6	75-125			
Surrogate: Dibromofluoromethane	51.0		ug/L	50.0		102	75-125			
Surrogate: Toluene-d8	54.6		ug/L	50.0		109	75.5-125			

Matrix Spike (B4F1507-MS1)

Source: 0401128-06

Prepared: 06/14/04 Analyzed: 06/15/04

1,1-Dichloroethene	45.6		ug/L	50.0	<	91.2	75-120			
Benzene	49.3		ug/L	50.0	<	98.6	80-120			
Chlorobenzene	55.5		ug/L	50.0	<	111	80-120			
Toluene	52.6		ug/L	50.0	<	105	80-120			
Trichloroethene	47.6		ug/L	50.0	<	95.2	80-120			
Surrogate: 4-Bromofluorobenzene	51.9		ug/L	50.0		104	75-125			
Surrogate: Dibromofluoromethane	50.1		ug/L	50.0		100	75-125			
Surrogate: Toluene-d8	56.5		ug/L	50.0		113	75.5-125			

Matrix Spike Dup (B4F1507-MSD1)

Source: 0401128-06

Prepared: 06/14/04 Analyzed: 06/15/04

1,1-Dichloroethene	47.0		ug/L	50.0	<	94.0	75-120	3.02	20	
Benzene	48.7		ug/L	50.0	<	97.4	80-120	1.22	20	
Chlorobenzene	56.5		ug/L	50.0	<	113	80-120	1.79	20	
Toluene	52.0		ug/L	50.0	<	104	80-120	1.15	20	
Trichloroethene	48.0		ug/L	50.0	<	96.0	80-120	0.837	20	
Surrogate: 4-Bromofluorobenzene	52.5		ug/L	50.0		105	75-125			
Surrogate: Dibromofluoromethane	50.5		ug/L	50.0		101	75-125			
Surrogate: Toluene-d8	56.4		ug/L	50.0		113	75.5-125			

LEGEND Technical Services, Inc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

Project: 23/69-823INV240
Project Number: 23/68-823INV240
Project Manager: Mr. Ward Swanson

Date Reported:
June 24, 2004

Notes and Definitions

- S-02 Surrogate recovery outside of laboratory acceptance limits.
- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QC-4 Sample was reanalyzed past hold time for confirmation purposes.
- L2a The associated blank spike recovery was below laboratory acceptance limits.
- L1 Results in the diesel organics range are primarily due to overlap from a heavy oil range product.
- H3 This sample was extracted outside of the EPA recommended holding time.
- A Sample does not display a fuel pattern. Sample contains several discreet peaks.
- < Less than value listed
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.

0401128

Chain of Custody

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

BARR

Project Number

23 / 68 - 8 23 1 NV 240

NO 15842

Sample Identification	Collection Date	Time	Matrix				Type
			Water	Soil	Other	Grab	
1. B7 0-1.0	6/2/04	0743	✓			✓	X
2. B7 2.5-5		0748					
3. MW7 0-2.5		0746					
4. B5 0-2.5		0938					
5. B5 5-7.5		0949					
6. MW3 7.5-10		1414					
7. B6 2.5-5		1019					
8. S55 0-1		1047					
9. B8 7.5-10		1102					
10. S54 0-0.5		1528					
11. S53 0-0.5		1351					
12. B2 7.5-10		1412					
13. MW3 0-0.5		1352					
14. B4 0-2.5		1319					
15. S58 0.5-1.0		1213					
16. B3 0.5-2.5		1249					✓

Sampled By: *[Signature]*

Remarks:

-13 - Trip 13 (Meoul)
6/2/04

Number of Containers/Preservative

Volatiles Organic (Unpres.)	Volatiles Organic (Pres.)	Semivolatiles Organic	Total Metals (HNO ₃)	Dissolved Metals (HNO ₃)	General (Unpreserved)	Cyanide (NaOH,Asc. Acid)	Nutrients (H ₂ SO ₄)	Oil and Grease (H ₂ SO ₄)	TOC (H ₂ SO ₄)	Sulfide (Zn Acetate)	Dioxin	Whitlock	Total Phenol (H ₂ SO ₄)	Methane	(HCL)/DRO, IL Glass	Lugols, Glass, Amber	Polymers, Glass DRO	Metals	VOC	SVOC	PCB	Total No. Of Containers	
																			2	1	1	1	4
																	1						1
																		1					1
																				1	2		2
																					1		1
																			2	2			3
																		1	1				2
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Relinquished By: *[Signature]*

Samples ☐ Air Freight ☐ Fed. Exp. ☐ Sampler Shipped Via ☐ Other

Date: 6/3/04 15:08

Received by: *[Signature]*

Date: 6/4/04

Time: 15:00

Time

Air Bill Number:

Relinquished By:

Samples ☐ Air Freight ☐ Fed. Exp. ☐ Sampler Shipped Via ☐ Other

Remarks:

-13 - Trip 13 (Meoul)

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

Chris, please create project
for log-in. Thank you.
1CR 6/17/04

Chain of Custody

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

BARR

Project Number

23-68-8231 NV240

No. 15842

Sample Identification	Collection		Matrix		Type			
	Date	Time	Water	Soil	Other	Grab	Comp.	QC

1.	B7	0-1.0	6/26/04	0743	✓
2.	B7	2.5-5		0748	✓
3.	MW7	0-2.5		0746	✓
4.	B5	0-2.5		0938	✓
5.	B5	5-7.5		0949	✓
6.	MW3	7.5-10		1414	✓
7.	B6	2.5-5		1019	✓
8.	SS5	0-1		1047	✓
9.	B8	7.5-10		1102	✓
10.	SS4	0-0.5		1528	✓
11.	SS3	0-0.5		1351	✓
12.	B2	7.5-10		1412	✓
13.	MW3	0-0.5		1352	✓
14.	B4	0-2.5		1319	✓
15.	SS8	0.5-1.0		1213	✓
16.	B3	0.5-2.5		1249	✓

Sampled By: 

Remarks:

Remarks: ~~- Trip 13 (192041)~~
118 614

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

Rev. (8/01/01)

Number of Containers/Preservative																						Received by:		Air Bill Number:
Volatile Organic (Unpres.)	Volatile Organic (Pres.)	Semivolatile Organic	Total Metals (HNO ₃)	Dissolved Metals (HNO ₃)	General (Unpreserved)	Cyanide (NaOH,Asc. Acid)	Nutrients (H ₂ SO ₄)	Oil and Grease (H ₂ SO ₄)	TOC (H ₂ SO ₄)	Sulfide (Zn Acetate)	Dioxin	Whitlock	Total Phenol (H ₂ SO ₄)	Methane	(HCL)/DRO, IL Glass	Lugols, Glass, Amber	Formalin, Glass DRO	Metals	VOC	SVOC	PCB	Total No. Of Containers		
			SVOC																2	1	1		4	
			metals															1					1	
			SVOC																		1		1	
			metals															1		1			2	
			SVOC																1				1	
			VOC																2	1			3	
			DRO, VOC															1	1	2			4	
			metals, VOC															1	1				3	
			metals, SVOC																1				2	
			metals															1	1				2	
			metals SVOC															1					2	
			VOC															2	1				3	
			metals															1					1	
			Hold															1					1	
			DRO, DRO dup, metals															1	1	1			5	
			metals															1					2	
Relinquished By: _____												Date: 6/3/04	Time: 15:08	Received by: V. J. Key		Air Bill Number:								
Relinquished By: _____												Date: _____	Time: _____	Received by: _____		Air Bill Number: _____								
Samples ☐ Air Freight ☐ Fed. Exp. ☐ Shipper																								
Shipped via ☐ Other _____																								

Chain of Custody

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

BARR

Project Number

23-69-8231 JV 240

15844
No

Sample Identification	Collection	15844						
		Matrix		Type				
	Date	Time	Water	Soil	Other	Grab	Comp.	QC

1.	B-7	4/2	
2.	SS-8		
3.	SS-8 SS-9	1546	
4.	SS-1 0-0.5'	1503	X
5.	SS-7 0.5-1.0	1158	X
6.	SS-2 0'-0.5'	1442	X
7.	SS-6 0.5-1.0'	1146	X
8.	B-1 0'-12.5'	1519	X
9.	TB		X
10.	B-1		X
11.	F-13		X
12.			
13.	SS-8 0.5-1.0-Dup		
14.			
15.			
16.			

Sampled By:

Remarks:

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

Rev. 08/01/01

Number of Containers/Preservative

Volatile Organic (Unpres.)
Volatile Organic (Pres.)
Semivolatile Organic
Total Metals (HNO_3)
Dissolved Metals (HNO_3)
General (Unpreserved)
Cyanide (NaOH/Asc , Acid)
Nutrients (H_2SO_4)
Oil and Grease (H_2SO_4)
TOC (H_2SO_4)
Sulfide (Zn Acetate)
Dioxin
Whirlpak
Total Phenol (H_2SO_4)
Methane
(HCL)/DRO, IL Glass
Lugols, Glass, Amber
Formalin Glass DRO
Metals
voc
svoC
PcB
Total No. Of Containers

Project Manager:
Rick Palen

 Project Contact:
Eric Dott

 Laboratory:

 Remarks/
Analysis Required:
Hold all

metals

metals, svoC

hold metals

hold voc

Hold Add VOC, met, svoC / 1 1
 hold add wds.
 dno -

con ice voc

Relinquished By:

Relinquished By:

Samples ☐ Air Freight ☐ Fed. Exp. ☐ Sampler
Shipped VIA
☐ Other _____

Date	Time
------	------

Date	Time
4/20/18	10:00

Received by: *P. A.*

Received by:

Air Bill Numbers:

Time 37

Time

Sample	Sample ID	Date	Time	DRO	RCRA Metals	VOC	SVOC	PCB	COMMENT
1	B7 0-1.0	6/2/2004	0743				1		
2	B7 2.5-5	6/2/2004			1				
3	MW7 0-2.5	6/2/2004					1		
4	B5 0-2.5	6/2/2004			1				
5	B5 5-7.5	6/2/2004					1		
6	MW3 7.5-10	6/2/2004				1			
7	B6 2.5-5	6/2/2004		1		1			
8	SS5 0-1	6/2/2004			1	1			
9	B8 7.5-10	6/2/2004			1		1		
10	SS4 0-0.5	6/2/2004			1				
11	SS3 0-0.5	6/2/2004			1		1		
12	B2 7.5-10	6/2/2004				1			
13	MW3 0-0.5	6/2/2004			1				
14	B4 0-2.5	6/2/2004							
15	SS8 0.5-1.0	6/2/2004		2	1				Extract additional DRO sample from SVOC as field duplicate.
16	B3 0.5-2.5	6/2/2004			1				
3	SS9 0-1.0	6/2/2004			1				
4	SS1 0-0.5				1		1		
5	SS7 0.5-1.0	6/2/2004							
6	SS2 0-0.5	6/2/2004			1				
7	SS6 0.5-1	6/2/2004			1				
8	B1 10-12.5	6/2/2004							
Totals				3	13	4	6	0	