ENVIRO-PRO
PROFESSIONAL CORPORATION

July 5, 2013

Mr. Mike Griffin
Griffin Brothers Companies
19109 West Catawba Avenue, Suite 200
Cornelius, North Carolina 28078-5613

Subject: Semi-Annual Groundwater Sampling Report (27)
Highway 49 C&D Landfill
Harrisburg, North Carolina
Project No. EP-1271

Dear Mr. Griffin:

In accordance with the Water Quality Monitoring Plan approved by the North Carolina DENR-Solid Waste Section as part of the Site Plan Application Report, Enviro-Pro, P.C. (EP) personnel have completed the first semi-annual 2013 sampling event for the subject site.

Please contact me at (803) 547-4955 if you have any questions concerning the data submitted herein. Thank you for the opportunity to continue to provide our environmental services on this project.

Sincerely,
ENVIRO-PRO, P.C.

Thomas H. Bolyard

Thomas H. Bolyard, P.G.
Senior Hydrogeologist

2646 Farmlake Lane • Fort Mill, SC 29708 • (803) 547-4955 • Fax (803) 548-2233

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Enviro-Pro, P.C.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Thomas H. Bolyard, P.G. Phone: (803) 547-4955

E-mail: enviropro@comporium.net

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Highway 49 C&D Landfill	2105 Speedrail Court, Harrisburg, NC	13.06	.0500	April 22, 2013

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify)
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Thomas H. Bolyard, P.G. Senior Hydrogeologist (803) 547-4955

Facility Representative Name (Print) Title (Area Code) Telephone Number

Thomas H. Bolyard 7/5/13

Signature Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 492 GEOLOGIST THOMAS H. BOLYARD

Revised 01/2007

MONITORING REPORT (27)

Highway 49 C&D Landfill
Harrisburg, North Carolina

Prepared for:
Mr. Mike Griffin
Griffin Brothers Companies
19109 West Catawba Avenue, Suite 200
Cornelius, North Carolina 28031-5613

Prepared by:
Enviro-Pro, P.C.
2646 Farmlake Lane
Fort Mill, South Carolina

Project Number EP-1271

July 5, 2013

Monitor well purging and sampling were completed by Enviro-Pro, P.C. (EP) personnel on April 22, 2013. This sampling event included upstream and downstream samples of Coddle Creek (SW-1 and SW-2) and groundwater monitor wells MW-21, MW-55, MW-56, and MW-57.

All samples were collected as described in the approved Water Quality Monitoring Plan and were then transported to Shealy Environmental Services, Inc. in West Columbia, South Carolina for analysis of Appendix I volatile organic compounds (VOCs) (Method 8260B), Appendix I metals with mercury, and alkalinity, chloride, sulfate, and total dissolved solids (TDS). The completed Chain of Custody Record and the Report of Analysis for these samples are included as Appendix A. The Well Development, Purge, and Sample Record is included in Appendix B. At least three well volumes were removed from each well to purge stagnant water and to ensure that fresh formation water would be sampled. All purging and sampling activities were conducted using dedicated bailers and disposable sampling gloves were changed between each sampling location to minimize the potential for any cross-contamination to occur. Analytical QA/QC measures included a field (bailer rinse) blank and a laboratory-prepared trip blank analyzed for volatile organic compounds (VOCs) by Method 8260B.

The field information recorded in Appendix B indicates that the groundwater levels increased in one monitor well and decreased in three monitor wells since the previous sampling event on October 23, 2012.

Laboratory test results indicate low concentrations of the metal barium in all the monitor wells sampled. Low levels of barium were also present in samples SW-1 and SW-2 from Coddle Creek, providing further evidence that these levels are representative of this naturally-occurring metal in the bedrock, soil, and groundwater in this area. Cobalt, zinc, and copper were detected in some of the monitor wells sampled. Alkalinity was detected in all the wells sampled. No 2L Standard has been set for this parameter by the DENR. TDS was detected in well MW-57 at a concentration above its 2L Standard. Benzene and vinyl chloride was detected in well MW-56 at concentrations that exceed their 2L Standards. Vinyl chloride was also detected in well MW-57 at a concentration above its 2L Standard. No other VOCs or Appendix I metals were detected above their respective 2L Standards in any of the remaining monitor wells or stream samples analyzed from this site. Table 1 provides a summary of the laboratory test results obtained during this sampling event.

The next sampling event for the Highway 49 C&D Landfill site is scheduled for October 2013.

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
Highway 49 C&D Landfill
Harrisburg, North Carolina
July 5, 2013

Analytical Method →	8260B	8260B	8260B	8260B	8260B	6010C	6010C	6010C	6010C	2320B	2540C	300.0	300.0
Contaminant of Concern → / Sample ID	Benzene	Cis-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Methylene Chloride	Barium	Cobalt	Zinc	Copper	Alkalinity	TDS	Sulfate	Chloride
MW-21	BDL	BDL	BDL	BDL	BDL	0.14	BDL	0.050	0.0056	**180**	270	32	11
MW-55	BDL	BDL	BDL	BDL	BDL	0.19	BDL	BDL	0.017	**220**	350	55	13
MW-56	**2**	12	1.2	**14**	BDL	0.07	**0.027**	0.062	BDL	**130**	260	63	8.2
MW-57	BDL	1.2	BDL	**7.2**	1.1	0.079	BDL	BDL	BDL	**700**	**1,100**	120	63
SW-1	BDL	BDL	BDL	BDL	BDL	0.048	BDL	BDL	BDL	BDL	BDL	BDL	BDL
SW-2	BDL	BDL	BDL	BDL	BDL	0.048	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Field Blank	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trip Blank	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2L Standard	**1**	**70**	**3**	**0.03**	**5**	**0.7**	**NE**	**1**	**1**	**NE**	**500**	**250**	**250**

Notes: All metals/Inorganic compounds are presented in milligrams per liter (mg/l)
BDL = Below detection limit
All VOCs are presented in micrograms per liter (ug/l)
NE = None Established
Shaded areas represents parameters over the 2L Standard
TDS = Total Dissolved Solids

APPENDIX A

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Enviro-Pro, P.C.
2646 Farmlake Lane
Fort Mill, SC 29708
Attention: Tom Bolyard

Project Name: **Highway 49 C & D**

Project Number: **EP-1271**

Lot Number: **OD23048**

Date Completed: **05/07/2013**

Nisreen Saikaly
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
Enviro-Pro, P.C.
Lot Number: OD23048

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary
Enviro-Pro, P.C.
Lot Number: OD23048

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-21	Aqueous	04/22/2013 0800	04/23/2013
002	MW-55	Aqueous	04/22/2013 0830	04/23/2013
003	MW-56	Aqueous	04/22/2013 0900	04/23/2013
004	MW-57	Aqueous	04/22/2013 0930	04/23/2013
005	SW-1 (up)	Aqueous	04/22/2013 1000	04/23/2013
006	SW-2 (down)	Aqueous	04/22/2013 1015	04/23/2013
007	Field Blank	Aqueous	04/22/2013 0915	04/23/2013
008	Trip Blank	Aqueous	04/22/2013	04/23/2013

(8 samples)

Executive Summary
Enviro-Pro, P.C.
Lot Number: OD23048

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-21	Aqueous	Alkalinity	SM 2320B-	180		mg/L	5
001	MW-21	Aqueous	Chloride	300.0	11		mg/L	5
001	MW-21	Aqueous	Sulfate	300.0	32		mg/L	5
001	MW-21	Aqueous	TDS	SM 2540C-	270		mg/L	5
001	MW-21	Aqueous	Barium	6010C	0.14		mg/L	8
001	MW-21	Aqueous	Copper	6010C	0.0056		mg/L	8
001	MW-21	Aqueous	Zinc	6010C	0.050		mg/L	8
002	MW-55	Aqueous	Alkalinity	SM 2320B-	220		mg/L	10
002	MW-55	Aqueous	Chloride	300.0	13		mg/L	10
002	MW-55	Aqueous	Sulfate	300.0	55		mg/L	10
002	MW-55	Aqueous	TDS	SM 2540C-	350		mg/L	10
002	MW-55	Aqueous	Barium	6010C	0.19		mg/L	13
002	MW-55	Aqueous	Copper	6010C	0.017		mg/L	13
003	MW-56	Aqueous	Alkalinity	SM 2320B-	130		mg/L	15
003	MW-56	Aqueous	Chloride	300.0	8.2		mg/L	15
003	MW-56	Aqueous	Sulfate	300.0	63		mg/L	15
003	MW-56	Aqueous	TDS	SM 2540C-	260		mg/L	15
003	MW-56	Aqueous	Benzene	8260B	2.0		ug/L	16
003	MW-56	Aqueous	cis-1,2-Dichloroethene	8260B	12		ug/L	16
003	MW-56	Aqueous	Trichloroethene	8260B	1.2		ug/L	16
003	MW-56	Aqueous	Vinyl chloride	8260B	14		ug/L	17
003	MW-56	Aqueous	Barium	6010C	0.070		mg/L	18
003	MW-56	Aqueous	Cobalt	6010C	0.027		mg/L	18
003	MW-56	Aqueous	Zinc	6010C	0.062		mg/L	18
004	MW-57	Aqueous	Alkalinity	SM 2320B-	700	S	mg/L	20
004	MW-57	Aqueous	Chloride	300.0	63		mg/L	20
004	MW-57	Aqueous	Sulfate	300.0	120	S	mg/L	20
004	MW-57	Aqueous	TDS	SM 2540C-	1100		mg/L	20
004	MW-57	Aqueous	cis-1,2-Dichloroethene	8260B	1.2		ug/L	21
004	MW-57	Aqueous	Methylene chloride	8260B	1.1		ug/L	21
004	MW-57	Aqueous	Vinyl chloride	8260B	7.2		ug/L	22
004	MW-57	Aqueous	Barium	6010C	0.079		mg/L	23
005	SW-1 (up)	Aqueous	Barium	6010C	0.048		mg/L	27
006	SW-2 (down)	Aqueous	Barium	6010C	0.048		mg/L	31

(34 detections)

Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Description: **MW-21**
Date Sampled: **04/22/2013 0800**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Alkalinity) SM 2320B-2011	1	04/24/2013 2106	KMB		19076
1		(Chloride) 300.0	1	04/30/2013 2106	SMH		19320
1		(Sulfate) 300.0	1	04/28/2013 0804	SMH		19321
1		(TDS) SM 2540C-2011	1	04/26/2013 1029	AMM1		19177

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Alkalinity		**SM 2320B-20**	**180**		**10**	**mg/L**	**1**
Chloride		**300.0**	**11**		**1.0**	**mg/L**	**1**
Sulfate		**300.0**	**32**		**1.0**	**mg/L**	**1**
TDS		**SM 2540C-20**	**270**		**10**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW-21**
Date Sampled: **04/22/2013 0800**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2013 1657	AAC		19605

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Tetrahydrofuran	109-99-9	8260B	ND		5.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW-21**
Date Sampled: **04/22/2013 0800**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2013 1657	AAC		19605

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		111	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Appendix I Metals

Client: Enviro-Pro, P.C.
Description: MW-21
Date Sampled: 04/22/2013 0800
Date Received: 04/23/2013

Laboratory ID: OD23048-001
Matrix: Aqueous

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	04/26/2013 0236	CDF	04/24/2013 1500	19011

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Antimony	7440-36-0	6010C	ND		0.010	mg/L	1
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	**7440-39-3**	**6010C**	**0.14**		**0.025**	**mg/L**	**1**
Beryllium	7440-41-7	6010C	ND		0.0040	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Cobalt	7440-48-4	6010C	ND		0.025	mg/L	1
Copper	**7440-50-8**	**6010C**	**0.0056**		**0.0050**	**mg/L**	**1**
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Nickel	7440-02-0	6010C	ND		0.040	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1
Vanadium	7440-62-2	6010C	ND		0.050	mg/L	1
Zinc	**7440-66-6**	**6010C**	**0.050**		**0.020**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW-21**
Date Sampled: **04/22/2013 0800**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-001**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	04/26/2013 1133	FCJ	04/25/2013 1630	19090

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Description: **MW-55**
Date Sampled: **04/22/2013 0830**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-002**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Alkalinity) SM 2320B-2011	1	04/24/2013 2113	KMB		19076
1		(Chloride) 300.0	2	04/30/2013 1705	SMH		19320
1		(Sulfate) 300.0	2	04/30/2013 1705	SMH		19468
1		(TDS) SM 2540C-2011	1	04/26/2013 1029	AMM1		19177

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Alkalinity		**SM 2320B-20**	**220**		**10**	**mg/L**	**1**
Chloride		**300.0**	**13**		**2.0**	**mg/L**	**1**
Sulfate		**300.0**	**55**		**2.0**	**mg/L**	**1**
TDS		**SM 2540C-20**	**350**		**10**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW-55**
Date Sampled: **04/22/2013 0830**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-002**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2013 1721	AAC		19605

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Tetrahydrofuran	109-99-9	8260B	ND		5.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW-55**
Date Sampled: **04/22/2013 0830**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-002**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2013 1721	AAC		19605

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Appendix I Metals

Client: **Enviro-Pro, P.C.**
Description: **MW-55**
Date Sampled: **04/22/2013 0830**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-002**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	04/26/2013 0240	CDF	04/24/2013 1500	19011

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Antimony	7440-36-0	6010C	ND		0.010	mg/L	1
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	**7440-39-3**	**6010C**	**0.19**		**0.025**	**mg/L**	**1**
Beryllium	7440-41-7	6010C	ND		0.0040	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Cobalt	7440-48-4	6010C	ND		0.025	mg/L	1
Copper	**7440-50-8**	**6010C**	**0.017**		**0.0050**	**mg/L**	**1**
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Nickel	7440-02-0	6010C	ND		0.040	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1
Vanadium	7440-62-2	6010C	ND		0.050	mg/L	1
Zinc	7440-66-6	6010C	ND		0.020	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW-55**
Date Sampled: **04/22/2013 0830**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-002**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	04/26/2013 1136	FCJ	04/25/2013 1630	19090

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Description: **MW-56**
Date Sampled: **04/22/2013 0900**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-003**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Alkalinity) SM 2320B-2011	1	04/24/2013 2120	KMB		19076
1		(Chloride) 300.0	2	04/30/2013 1729	SMH		19320
1		(Sulfate) 300.0	2	04/30/2013 1729	SMH		19468
1		(TDS) SM 2540C-2011	1	04/26/2013 1029	AMM1		19177

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Alkalinity		**SM 2320B-20**	**130**		**10**	**mg/L**	**1**
Chloride		**300.0**	**8.2**		**2.0**	**mg/L**	**1**
Sulfate		**300.0**	**63**		**2.0**	**mg/L**	**1**
TDS		**SM 2540C-20**	**260**		**10**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW-56**
Date Sampled: **04/22/2013 0900**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-003**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2013 1923	AAC		19605

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	**71-43-2**	**8260B**	**2.0**		**1.0**	**ug/L**	**1**
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**12**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Tetrahydrofuran	109-99-9	8260B	ND		5.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**1.2**		**1.0**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW-56**
Date Sampled: **04/22/2013 0900**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-003**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2013 1923	AAC		19605

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**14**		**1.0**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Bromofluorobenzene		115	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Appendix I Metals

Client: **Enviro-Pro, P.C.**
Description: **MW-56**
Date Sampled: **04/22/2013 0900**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-003**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	04/26/2013 0244	CDF	04/24/2013 1500	19011

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Antimony	7440-36-0	6010C	ND		0.010	mg/L	1
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	**7440-39-3**	**6010C**	**0.070**		**0.025**	**mg/L**	**1**
Beryllium	7440-41-7	6010C	ND		0.0040	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Cobalt	**7440-48-4**	**6010C**	**0.027**		**0.025**	**mg/L**	**1**
Copper	7440-50-8	6010C	ND		0.0050	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Nickel	7440-02-0	6010C	ND		0.040	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1
Vanadium	7440-62-2	6010C	ND		0.050	mg/L	1
Zinc	**7440-66-6**	**6010C**	**0.062**		**0.020**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW-56**
Date Sampled: **04/22/2013 0900**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-003**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	04/26/2013 1139	FCJ	04/25/2013 1630	19090

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Description: **MW-57**
Date Sampled: **04/22/2013 0930**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-004**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Alkalinity) SM 2320B-2011	1	04/24/2013 2133	KMB		19076
1		(Chloride) 300.0	5	05/02/2013 1856	SMH		19679
1		(Sulfate) 300.0	5	05/02/2013 1856	SMH		19680
1		(TDS) SM 2540C-2011	1	04/26/2013 1029	AMM1		19177

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Alkalinity		**SM 2320B-20**	**700**	**S**	**10**	**mg/L**	**1**
Chloride		**300.0**	**63**		**5.0**	**mg/L**	**1**
Sulfate		**300.0**	**120**	**S**	**5.0**	**mg/L**	**1**
TDS		**SM 2540C-20**	**1100**		**10**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW-57**
Date Sampled: **04/22/2013 0930**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-004**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2013 1746	AAC		19605

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**1.2**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	**75-09-2**	**8260B**	**1.1**		**1.0**	**ug/L**	**1**
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Tetrahydrofuran	109-99-9	8260B	ND		5.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW-57**
Date Sampled: **04/22/2013 0930**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-004**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2013 1746	AAC		19605

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	**75-01-4**	**8260B**	**7.2**		**1.0**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Appendix I Metals

Client: **Enviro-Pro, P.C.**
Description: **MW-57**
Date Sampled: **04/22/2013 0930**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-004**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	04/26/2013 0248	CDF	04/24/2013 1500	19011

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Antimony	7440-36-0	6010C	ND		0.010	mg/L	1
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	**7440-39-3**	**6010C**	**0.079**		**0.025**	**mg/L**	**1**
Beryllium	7440-41-7	6010C	ND		0.0040	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Cobalt	7440-48-4	6010C	ND		0.025	mg/L	1
Copper	7440-50-8	6010C	ND		0.0050	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Nickel	7440-02-0	6010C	ND		0.040	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1
Vanadium	7440-62-2	6010C	ND		0.050	mg/L	1
Zinc	7440-66-6	6010C	ND		0.020	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW-57**
Date Sampled: **04/22/2013 0930**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-004**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	04/26/2013 1141	FCJ	04/25/2013 1630	19090

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **SW-1 (up)**
Date Sampled: **04/22/2013 1000**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-005**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2013 1810	AAC		19605

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Tetrahydrofuran	109-99-9	8260B	ND		5.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **SW-1 (up)**
Date Sampled: **04/22/2013 1000**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-005**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2013 1810	AAC		19605

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Appendix I Metals

Client: **Enviro-Pro, P.C.**
Description: **SW-1 (up)**
Date Sampled: **04/22/2013 1000**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-005**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	04/26/2013 0251	CDF	04/24/2013 1500	19011

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Antimony	7440-36-0	6010C	ND		0.010	mg/L	1
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	**7440-39-3**	**6010C**	**0.048**		**0.025**	**mg/L**	**1**
Beryllium	7440-41-7	6010C	ND		0.0040	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Cobalt	7440-48-4	6010C	ND		0.025	mg/L	1
Copper	7440-50-8	6010C	ND		0.0050	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Nickel	7440-02-0	6010C	ND		0.040	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1
Vanadium	7440-62-2	6010C	ND		0.050	mg/L	1
Zinc	7440-66-6	6010C	ND		0.020	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

CVAA

Client: **Enviro-Pro, P.C.**
Description: **SW-1 (up)**
Date Sampled: **04/22/2013 1000**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-005**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	04/26/2013 1143	FCJ	04/25/2013 1630	19090

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **SW-2 (down)**
Date Sampled: **04/22/2013 1015**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2013 1834	AAC		19605

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Tetrahydrofuran	109-99-9	8260B	ND		5.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **SW-2 (down)**
Date Sampled: **04/22/2013 1015**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2013 1834	AAC		19605

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		113	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Appendix I Metals

Client: **Enviro-Pro, P.C.**
Description: **SW-2 (down)**
Date Sampled: **04/22/2013 1015**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6010C	1	04/26/2013 0255	CDF	04/24/2013 1500	19011

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Antimony	7440-36-0	6010C	ND		0.010	mg/L	1
Arsenic	7440-38-2	6010C	ND		0.010	mg/L	1
Barium	**7440-39-3**	**6010C**	**0.048**		**0.025**	**mg/L**	**1**
Beryllium	7440-41-7	6010C	ND		0.0040	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0020	mg/L	1
Chromium	7440-47-3	6010C	ND		0.0050	mg/L	1
Cobalt	7440-48-4	6010C	ND		0.025	mg/L	1
Copper	7440-50-8	6010C	ND		0.0050	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Nickel	7440-02-0	6010C	ND		0.040	mg/L	1
Selenium	7782-49-2	6010C	ND		0.010	mg/L	1
Silver	7440-22-4	6010C	ND		0.0050	mg/L	1
Vanadium	7440-62-2	6010C	ND		0.050	mg/L	1
Zinc	7440-66-6	6010C	ND		0.020	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

CVAA

Client: **Enviro-Pro, P.C.**
Description: **SW-2 (down)**
Date Sampled: **04/22/2013 1015**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	04/26/2013 1146	FCJ	04/25/2013 1630	19090

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **Field Blank**
Date Sampled: **04/22/2013 0915**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-007**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2013 1859	AAC		19605

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Tetrahydrofuran	109-99-9	8260B	ND		5.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **Field Blank**
Date Sampled: **04/22/2013 0915**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-007**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/27/2013 1859	AAC		19605

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		110	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **Trip Blank**
Date Sampled: **04/22/2013**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	05/01/2013 2050	JAC		19838

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	2
Acrylonitrile	107-13-1	8260B	ND		20	ug/L	2
Benzene	71-43-2	8260B	ND		1.0	ug/L	2
Bromochloromethane	74-97-5	8260B	ND		1.0	ug/L	2
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	2
Bromoform	75-25-2	8260B	ND		1.0	ug/L	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	2
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	2
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	2
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	2
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	2
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	2
Chloroform	67-66-3	8260B	ND		1.0	ug/L	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	2
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	2
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		1.0	ug/L	2
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		2.0	ug/L	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	2
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	2
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	2
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	2
2-Hexanone	591-78-6	8260B	ND		10	ug/L	2
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.0	ug/L	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	2
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	2
Styrene	100-42-5	8260B	ND		1.0	ug/L	2
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		1.0	ug/L	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	2
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	2
Tetrahydrofuran	109-99-9	8260B	ND		5.0	ug/L	2
Toluene	108-88-3	8260B	ND		1.0	ug/L	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	2
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	2
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	2

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **Trip Blank**
Date Sampled: **04/22/2013**
Date Received: **04/23/2013**

Laboratory ID: **OD23048-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	05/01/2013 2050	JAC		19838

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,2,3-Trichloropropane	96-18-4	8260B	ND		1.0	ug/L	2
Vinyl acetate	108-05-4	8260B	ND		5.0	ug/L	2
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	2
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		112	70-130
Toluene-d8		106	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Inorganic non-metals - MB

Sample ID: OQ19076-001 **Matrix:** Aqueous
Batch: 19076
Analytical Method: SM 2320B-2011

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Alkalinity	ND		1	10	mg/L	04/24/2013 2046

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCS

Sample ID: OQ19076-002 **Matrix:** Aqueous
Batch: 19076
Analytical Method: SM 2320B-2011

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Alkalinity	100	100		1	103	90-110	04/24/2013 2052

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCSD

Sample ID: OQ19076-003 **Matrix:** Aqueous
Batch: 19076
Analytical Method: SM 2320B-2011

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Alkalinity	100	100		1	105	2.1	90-110	20	04/24/2013 2058

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MS

Sample ID: OD23048-004MS
Batch: 19076
Analytical Method: SM 2320B-2011

Matrix: Aqueous

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Alkalinity	700	100	760	N	1	62	70-130	04/24/2013 2147

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MSD

Sample ID: OD23048-004MD
Batch: 19076
Analytical Method: SM 2320B-2011

Matrix: Aqueous

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Alkalinity	700	100	750	N	1	48	1.9	70-130	20	04/24/2013 2202

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MB

Sample ID: OQ19177-001
Batch: 19177
Analytical Method: SM 2540C-2011

Matrix: Aqueous

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TDS	ND		1	10	mg/L	04/26/2013 1029

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCS

Sample ID: OQ19177-002 **Matrix:** Aqueous
Batch: 19177
Analytical Method: SM 2540C-2011

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TDS	1500	1400		1	94	90-110	04/26/2013 1029

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - Duplicate

Sample ID: OD23048-003DU
Batch: 19177
Analytical Method: SM 2540C-2011

Matrix: Aqueous

Parameter	Sample Amount (mg/L)	Result (mg/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
TDS	260	280		1	6.2	20	04/26/2013 1029

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MB

Sample ID: OQ19320-001 **Matrix:** Aqueous
Batch: 19320
Analytical Method: 300.0

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Chloride	ND		1	1.0	mg/L	04/30/2013 1011

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCS

Sample ID: OQ19320-002
Batch: 19320
Analytical Method: 300.0

Matrix: Aqueous

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Chloride	20	20		1	102	90-110	04/30/2013 1036

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCSD

Sample ID: OQ19320-003 **Matrix:** Aqueous
Batch: 19320
Analytical Method: 300.0

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Chloride	20	20		1	102	0.19	90-110	20	04/30/2013 1100

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MS

Sample ID: OD23048-001MS
Batch: 19320
Analytical Method: 300.0

Matrix: Aqueous

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Chloride	11	20	32		1	105	90-110	04/30/2013 2130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MSD

Sample ID: OD23048-001MD
Batch: 19320
Analytical Method: 300.0

Matrix: Aqueous

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Chloride	11	20	32		1	105	0.092	90-110	20	04/30/2013 2154

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MB

Sample ID: OQ19321-001 **Matrix:** Aqueous
Batch: 19321
Analytical Method: 300.0

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Sulfate	ND		1	1.0	mg/L	04/27/2013 1624

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCS

Sample ID: OQ19321-002 **Matrix:** Aqueous
Batch: 19321
Analytical Method: 300.0

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Sulfate	20	21		1	104	90-110	04/27/2013 1648

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCSD

Sample ID: OQ19321-003 **Matrix:** Aqueous
Batch: 19321
Analytical Method: 300.0

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Sulfate	20	21		1	104	0.091	90-110	20	04/27/2013 1712

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MS

Sample ID: OD23048-001MS
Batch: 19321
Analytical Method: 300.0

Matrix: Aqueous

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Sulfate	32	20	52		1	103	90-110	04/28/2013 0828

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MSD

Sample ID: OD23048-001MD
Batch: 19321
Analytical Method: 300.0
Matrix: Aqueous

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Sulfate	32	20	52		1	103	0.0050	90-110	20	04/28/2013 0852

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MB

Sample ID: OQ19468-001
Batch: 19468
Analytical Method: 300.0

Matrix: Aqueous

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Sulfate	ND		1	1.0	mg/L	04/30/2013 1011

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCS

Sample ID: OQ19468-002 **Matrix:** Aqueous
Batch: 19468
Analytical Method: 300.0

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Sulfate	20	21		1	105	90-110	04/30/2013 1036

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCSD

Sample ID: OQ19468-003 **Matrix:** Aqueous
Batch: 19468
Analytical Method: 300.0

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Sulfate	20	21		1	105	0.32	90-110	20	04/30/2013 1100

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MB

Sample ID: OQ19679-001
Batch: 19679
Analytical Method: 300.0

Matrix: Aqueous

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Chloride	ND		1	1.0	mg/L	05/02/2013 0844

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCS

Sample ID: OQ19679-002 **Matrix:** Aqueous
Batch: 19679
Analytical Method: 300.0

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Chloride	20	20		1	100	90-110	05/02/2013 0908

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCSD

Sample ID: OQ19679-003 **Matrix:** Aqueous
Batch: 19679
Analytical Method: 300.0

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Chloride	20	20		1	102	1.4	90-110	20	05/02/2013 0932

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MS

Sample ID: OD23048-004MS
Batch: 19679
Analytical Method: 300.0

Matrix: Aqueous

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Chloride	63	20	85		5	105	90-110	05/02/2013 1920

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MSD

Sample ID: OD23048-004MD
Batch: 19679
Analytical Method: 300.0

Matrix: Aqueous

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Chloride	63	20	83		5	98	1.8	90-110	20	05/02/2013 1944

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MB

Sample ID: OQ19680-001 **Matrix:** Aqueous
Batch: 19680
Analytical Method: 300.0

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Sulfate	ND		1	1.0	mg/L	05/02/2013 0844

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCS

Sample ID: OQ19680-002
Batch: 19680
Analytical Method: 300.0

Matrix: Aqueous

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Sulfate	20	21		1	105	90-110	05/02/2013 0908

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - LCSD

Sample ID: OQ19680-003 **Matrix:** Aqueous
Batch: 19680
Analytical Method: 300.0

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Sulfate	20	21		1	105	0.28	90-110	20	05/02/2013 0932

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MS

Sample ID: OD23048-004MS
Batch: 19680
Analytical Method: 300.0

Matrix: Aqueous

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Sulfate	120	20	140	N	5	113	90-110	05/02/2013 1920

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Inorganic non-metals - MSD

Sample ID: OD23048-004MD
Batch: 19680
Analytical Method: 300.0

Matrix: Aqueous

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Sulfate	120	20	140		5	102	1.5	90-110	20	05/02/2013 1944

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: OQ19605-001
Batch: 19605
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/L	04/27/2013 1115
Acrylonitrile	ND		1	20	ug/L	04/27/2013 1115
Benzene	ND		1	1.0	ug/L	04/27/2013 1115
Bromochloromethane	ND		1	1.0	ug/L	04/27/2013 1115
Bromodichloromethane	ND		1	1.0	ug/L	04/27/2013 1115
Bromoform	ND		1	1.0	ug/L	04/27/2013 1115
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	04/27/2013 1115
2-Butanone (MEK)	ND		1	10	ug/L	04/27/2013 1115
Carbon disulfide	ND		1	1.0	ug/L	04/27/2013 1115
Carbon tetrachloride	ND		1	1.0	ug/L	04/27/2013 1115
Chlorobenzene	ND		1	1.0	ug/L	04/27/2013 1115
Chloroethane	ND		1	2.0	ug/L	04/27/2013 1115
Chloroform	ND		1	1.0	ug/L	04/27/2013 1115
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	04/27/2013 1115
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	04/27/2013 1115
Dibromochloromethane	ND		1	1.0	ug/L	04/27/2013 1115
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	04/27/2013 1115
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	04/27/2013 1115
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	04/27/2013 1115
1,4-Dichlorobenzene	ND		1	1.0	ug/L	04/27/2013 1115
1,2-Dichlorobenzene	ND		1	1.0	ug/L	04/27/2013 1115
1,1-Dichloroethane	ND		1	1.0	ug/L	04/27/2013 1115
1,2-Dichloroethane	ND		1	1.0	ug/L	04/27/2013 1115
1,1-Dichloroethene	ND		1	1.0	ug/L	04/27/2013 1115
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	04/27/2013 1115
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	04/27/2013 1115
1,2-Dichloropropane	ND		1	1.0	ug/L	04/27/2013 1115
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	04/27/2013 1115
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	04/27/2013 1115
Ethylbenzene	ND		1	1.0	ug/L	04/27/2013 1115
2-Hexanone	ND		1	10	ug/L	04/27/2013 1115
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	04/27/2013 1115
4-Methyl-2-pentanone	ND		1	10	ug/L	04/27/2013 1115
Methylene chloride	ND		1	1.0	ug/L	04/27/2013 1115
Styrene	ND		1	1.0	ug/L	04/27/2013 1115
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	04/27/2013 1115
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	04/27/2013 1115
Tetrachloroethene	ND		1	1.0	ug/L	04/27/2013 1115
Tetrahydrofuran	ND		1	5.0	ug/L	04/27/2013 1115
Toluene	ND		1	1.0	ug/L	04/27/2013 1115
1,1,2-Trichloroethane	ND		1	1.0	ug/L	04/27/2013 1115
1,1,1-Trichloroethane	ND		1	1.0	ug/L	04/27/2013 1115
Trichloroethene	ND		1	1.0	ug/L	04/27/2013 1115
Trichlorofluoromethane	ND		1	1.0	ug/L	04/27/2013 1115

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: OQ19605-001
Batch: 19605
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,2,3-Trichloropropane	ND		1	1.0	ug/L	04/27/2013 1115
Vinyl acetate	ND		1	5.0	ug/L	04/27/2013 1115
Vinyl chloride	ND		1	1.0	ug/L	04/27/2013 1115
Xylenes (total)	ND		1	1.0	ug/L	04/27/2013 1115

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		113	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: OQ19605-002
Batch: 19605
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	120		1	118	70-130	04/27/2013 0937
Acrylonitrile	100	95		1	95	70-130	04/27/2013 0937
Benzene	50	43		1	86	70-130	04/27/2013 0937
Bromochloromethane	50	46		1	92	70-130	04/27/2013 0937
Bromodichloromethane	50	42		1	84	70-130	04/27/2013 0937
Bromoform	50	38		1	77	70-130	04/27/2013 0937
Bromomethane (Methyl bromide)	50	53		1	106	60-140	04/27/2013 0937
2-Butanone (MEK)	100	110		1	108	60-140	04/27/2013 0937
Carbon disulfide	50	46		1	91	60-140	04/27/2013 0937
Carbon tetrachloride	50	44		1	88	70-130	04/27/2013 0937
Chlorobenzene	50	42		1	85	70-130	04/27/2013 0937
Chloroethane	50	51		1	102	42-163	04/27/2013 0937
Chloroform	50	44		1	87	70-130	04/27/2013 0937
Chloromethane (Methyl chloride)	50	53		1	106	70-130	04/27/2013 0937
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	97	70-130	04/27/2013 0937
Dibromochloromethane	50	42		1	84	70-130	04/27/2013 0937
1,2-Dibromoethane (EDB)	50	42		1	84	70-130	04/27/2013 0937
Dibromomethane (Methylene bromide)	50	44		1	87	70-130	04/27/2013 0937
trans-1,4-Dichloro-2-butene	50	37		1	75	34-142	04/27/2013 0937
1,4-Dichlorobenzene	50	42		1	85	70-130	04/27/2013 0937
1,2-Dichlorobenzene	50	45		1	89	70-130	04/27/2013 0937
1,1-Dichloroethane	50	43		1	86	70-130	04/27/2013 0937
1,2-Dichloroethane	50	42		1	84	70-130	04/27/2013 0937
1,1-Dichloroethene	50	44		1	87	70-130	04/27/2013 0937
cis-1,2-Dichloroethene	50	45		1	91	70-130	04/27/2013 0937
trans-1,2-Dichloroethene	50	44		1	89	70-130	04/27/2013 0937
1,2-Dichloropropane	50	42		1	85	70-130	04/27/2013 0937
cis-1,3-Dichloropropene	50	46		1	92	70-130	04/27/2013 0937
trans-1,3-Dichloropropene	50	45		1	90	70-130	04/27/2013 0937
Ethylbenzene	50	45		1	90	70-130	04/27/2013 0937
2-Hexanone	100	88		1	88	60-140	04/27/2013 0937
Methyl iodide (Iodomethane)	50	47		1	93	70-130	04/27/2013 0937
4-Methyl-2-pentanone	100	89		1	89	60-140	04/27/2013 0937
Methylene chloride	50	50		1	99	70-130	04/27/2013 0937
Styrene	50	45		1	90	70-130	04/27/2013 0937
1,1,2,2-Tetrachloroethane	50	50		1	99	60-140	04/27/2013 0937
1,1,1,2-Tetrachloroethane	50	47		1	93	70-130	04/27/2013 0937
Tetrachloroethene	50	45		1	91	70-130	04/27/2013 0937
Tetrahydrofuran	50	55		1	110	70-130	04/27/2013 0937
Toluene	50	44		1	87	70-130	04/27/2013 0937
1,1,2-Trichloroethane	50	43		1	85	70-130	04/27/2013 0937
1,1,1-Trichloroethane	50	46		1	91	70-130	04/27/2013 0937
Trichloroethene	50	43		1	86	70-130	04/27/2013 0937
Trichlorofluoromethane	50	48		1	95	70-130	04/27/2013 0937

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: OQ19605-002
Batch: 19605
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2,3-Trichloropropane	50	49		1	99	70-130	04/27/2013 0937
Vinyl acetate	50	70		1	140	60-140	04/27/2013 0937
Vinyl chloride	50	52		1	105	70-130	04/27/2013 0937
Xylenes (total)	100	92		1	92	70-130	04/27/2013 0937

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		84	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: OQ19605-003 **Matrix:** Aqueous
Batch: 19605 **Prep Method:** 5030B
Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	120		1	125	5.5	70-130	20	04/27/2013 1001
Acrylonitrile	100	96		1	96	1.2	70-130	20	04/27/2013 1001
Benzene	50	43		1	87	0.79	70-130	20	04/27/2013 1001
Bromochloromethane	50	47		1	94	2.1	70-130	20	04/27/2013 1001
Bromodichloromethane	50	43		1	85	1.4	70-130	20	04/27/2013 1001
Bromoform	50	40		1	80	3.6	70-130	20	04/27/2013 1001
Bromomethane (Methyl bromide)	50	56		1	112	5.0	60-140	20	04/27/2013 1001
2-Butanone (MEK)	100	110		1	107	0.66	60-140	20	04/27/2013 1001
Carbon disulfide	50	46		1	93	1.3	60-140	20	04/27/2013 1001
Carbon tetrachloride	50	44		1	89	0.74	70-130	20	04/27/2013 1001
Chlorobenzene	50	43		1	87	2.3	70-130	20	04/27/2013 1001
Chloroethane	50	53		1	105	2.5	42-163	20	04/27/2013 1001
Chloroform	50	44		1	88	0.27	70-130	20	04/27/2013 1001
Chloromethane (Methyl chloride)	50	55		1	109	2.6	70-130	20	04/27/2013 1001
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	99	2.1	70-130	20	04/27/2013 1001
Dibromochloromethane	50	43		1	85	1.5	70-130	20	04/27/2013 1001
1,2-Dibromoethane (EDB)	50	43		1	86	2.5	70-130	20	04/27/2013 1001
Dibromomethane (Methylene bromide)	50	44		1	89	1.7	70-130	20	04/27/2013 1001
trans-1,4-Dichloro-2-butene	50	40		1	80	7.1	34-142	20	04/27/2013 1001
1,4-Dichlorobenzene	50	43		1	85	0.65	70-130	20	04/27/2013 1001
1,2-Dichlorobenzene	50	45		1	89	0.28	70-130	20	04/27/2013 1001
1,1-Dichloroethane	50	44		1	88	1.2	70-130	20	04/27/2013 1001
1,2-Dichloroethane	50	43		1	86	1.7	70-130	20	04/27/2013 1001
1,1-Dichloroethene	50	44		1	88	1.3	70-130	20	04/27/2013 1001
cis-1,2-Dichloroethene	50	46		1	92	1.9	70-130	20	04/27/2013 1001
trans-1,2-Dichloroethene	50	45		1	89	0.82	70-130	20	04/27/2013 1001
1,2-Dichloropropane	50	43		1	86	2.0	70-130	20	04/27/2013 1001
cis-1,3-Dichloropropene	50	47		1	93	1.5	70-130	20	04/27/2013 1001
trans-1,3-Dichloropropene	50	46		1	91	1.1	70-130	20	04/27/2013 1001
Ethylbenzene	50	46		1	92	2.4	70-130	20	04/27/2013 1001
2-Hexanone	100	90		1	90	1.5	60-140	20	04/27/2013 1001
Methyl iodide (Iodomethane)	50	47		1	95	1.6	70-130	20	04/27/2013 1001
4-Methyl-2-pentanone	100	91		1	91	2.5	60-140	20	04/27/2013 1001
Methylene chloride	50	50		1	100	1.1	70-130	20	04/27/2013 1001
Styrene	50	46		1	92	2.3	70-130	20	04/27/2013 1001
1,1,2,2-Tetrachloroethane	50	50		1	101	1.4	60-140	20	04/27/2013 1001
1,1,1,2-Tetrachloroethane	50	48		1	96	2.6	70-130	20	04/27/2013 1001
Tetrachloroethene	50	46		1	91	0.88	70-130	20	04/27/2013 1001
Tetrahydrofuran	50	56		1	112	1.8	70-130	20	04/27/2013 1001
Toluene	50	44		1	88	1.1	70-130	20	04/27/2013 1001
1,1,2-Trichloroethane	50	43		1	86	0.69	70-130	20	04/27/2013 1001
1,1,1-Trichloroethane	50	46		1	93	1.2	70-130	20	04/27/2013 1001
Trichloroethene	50	44		1	87	1.5	70-130	20	04/27/2013 1001
Trichlorofluoromethane	50	49		1	98	2.6	70-130	20	04/27/2013 1001

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: OQ19605-003
Batch: 19605
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
1,2,3-Trichloropropane	50	47		1	95	4.4	70-130	20	04/27/2013 1001
Vinyl acetate	50	69		1	139	0.92	60-140	20	04/27/2013 1001
Vinyl chloride	50	53		1	107	2.1	70-130	20	04/27/2013 1001
Xylenes (total)	100	94		1	94	2.0	70-130	20	04/27/2013 1001

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		85	70-130
Toluene-d8		97	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: OQ19838-001 **Matrix:** Aqueous
Batch: 19838 **Prep Method:** 5030B
Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/L	05/01/2013 1950
Acrylonitrile	ND		1	20	ug/L	05/01/2013 1950
Benzene	ND		1	1.0	ug/L	05/01/2013 1950
Bromochloromethane	ND		1	1.0	ug/L	05/01/2013 1950
Bromodichloromethane	ND		1	1.0	ug/L	05/01/2013 1950
Bromoform	ND		1	1.0	ug/L	05/01/2013 1950
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	05/01/2013 1950
2-Butanone (MEK)	ND		1	10	ug/L	05/01/2013 1950
Carbon disulfide	ND		1	1.0	ug/L	05/01/2013 1950
Carbon tetrachloride	ND		1	1.0	ug/L	05/01/2013 1950
Chlorobenzene	ND		1	1.0	ug/L	05/01/2013 1950
Chloroethane	ND		1	2.0	ug/L	05/01/2013 1950
Chloroform	ND		1	1.0	ug/L	05/01/2013 1950
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	05/01/2013 1950
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	05/01/2013 1950
Dibromochloromethane	ND		1	1.0	ug/L	05/01/2013 1950
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	05/01/2013 1950
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	05/01/2013 1950
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	05/01/2013 1950
1,4-Dichlorobenzene	ND		1	1.0	ug/L	05/01/2013 1950
1,2-Dichlorobenzene	ND		1	1.0	ug/L	05/01/2013 1950
1,1-Dichloroethane	ND		1	1.0	ug/L	05/01/2013 1950
1,2-Dichloroethane	ND		1	1.0	ug/L	05/01/2013 1950
1,1-Dichloroethene	ND		1	1.0	ug/L	05/01/2013 1950
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	05/01/2013 1950
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	05/01/2013 1950
1,2-Dichloropropane	ND		1	1.0	ug/L	05/01/2013 1950
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	05/01/2013 1950
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	05/01/2013 1950
Ethylbenzene	ND		1	1.0	ug/L	05/01/2013 1950
2-Hexanone	ND		1	10	ug/L	05/01/2013 1950
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	05/01/2013 1950
4-Methyl-2-pentanone	ND		1	10	ug/L	05/01/2013 1950
Methylene chloride	ND		1	1.0	ug/L	05/01/2013 1950
Styrene	ND		1	1.0	ug/L	05/01/2013 1950
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	05/01/2013 1950
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	05/01/2013 1950
Tetrachloroethene	ND		1	1.0	ug/L	05/01/2013 1950
Tetrahydrofuran	ND		1	5.0	ug/L	05/01/2013 1950
Toluene	ND		1	1.0	ug/L	05/01/2013 1950
1,1,1-Trichloroethane	ND		1	1.0	ug/L	05/01/2013 1950
1,1,2-Trichloroethane	ND		1	1.0	ug/L	05/01/2013 1950
Trichloroethene	ND		1	1.0	ug/L	05/01/2013 1950
Trichlorofluoromethane	ND		1	1.0	ug/L	05/01/2013 1950

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: OQ19838-001
Batch: 19838
Analytical Method: 8260B
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,2,3-Trichloropropane	ND		1	1.0	ug/L	05/01/2013 1950
Vinyl acetate	ND		1	5.0	ug/L	05/01/2013 1950
Vinyl chloride	ND		1	1.0	ug/L	05/01/2013 1950
Xylenes (total)	ND		1	1.0	ug/L	05/01/2013 1950

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		111	70-130
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: OQ19838-002
Batch: 19838
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	103	70-130	05/01/2013 1837
Acrylonitrile	100	92		1	92	70-130	05/01/2013 1837
Benzene	50	48		1	95	70-130	05/01/2013 1837
Bromochloromethane	50	48		1	95	70-130	05/01/2013 1837
Bromodichloromethane	50	47		1	94	70-130	05/01/2013 1837
Bromoform	50	46		1	91	70-130	05/01/2013 1837
Bromomethane (Methyl bromide)	50	54		1	107	60-140	05/01/2013 1837
2-Butanone (MEK)	100	97		1	97	60-140	05/01/2013 1837
Carbon disulfide	50	55		1	109	60-140	05/01/2013 1837
Carbon tetrachloride	50	49		1	98	70-130	05/01/2013 1837
Chlorobenzene	50	46		1	93	70-130	05/01/2013 1837
Chloroethane	50	53		1	106	42-163	05/01/2013 1837
Chloroform	50	47		1	93	70-130	05/01/2013 1837
Chloromethane (Methyl chloride)	50	54		1	108	70-130	05/01/2013 1837
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	97	70-130	05/01/2013 1837
Dibromochloromethane	50	47		1	94	70-130	05/01/2013 1837
1,2-Dibromoethane (EDB)	50	46		1	91	70-130	05/01/2013 1837
Dibromomethane (Methylene bromide)	50	46		1	91	70-130	05/01/2013 1837
trans-1,4-Dichloro-2-butene	50	45		1	90	34-142	05/01/2013 1837
1,4-Dichlorobenzene	50	45		1	90	70-130	05/01/2013 1837
1,2-Dichlorobenzene	50	47		1	94	70-130	05/01/2013 1837
1,1-Dichloroethane	50	48		1	97	70-130	05/01/2013 1837
1,2-Dichloroethane	50	45		1	89	70-130	05/01/2013 1837
1,1-Dichloroethene	50	53		1	106	70-130	05/01/2013 1837
cis-1,2-Dichloroethene	50	50		1	99	70-130	05/01/2013 1837
trans-1,2-Dichloroethene	50	50		1	101	70-130	05/01/2013 1837
1,2-Dichloropropane	50	47		1	93	70-130	05/01/2013 1837
trans-1,3-Dichloropropene	50	42		1	84	70-130	05/01/2013 1837
cis-1,3-Dichloropropene	50	43		1	86	70-130	05/01/2013 1837
Ethylbenzene	50	53		1	106	70-130	05/01/2013 1837
2-Hexanone	100	88		1	88	60-140	05/01/2013 1837
Methyl iodide (Iodomethane)	50	50		1	99	70-130	05/01/2013 1837
4-Methyl-2-pentanone	100	96		1	96	60-140	05/01/2013 1837
Methylene chloride	50	48		1	96	70-130	05/01/2013 1837
Styrene	50	53		1	107	70-130	05/01/2013 1837
1,1,1,2-Tetrachloroethane	50	51		1	102	70-130	05/01/2013 1837
1,1,2,2-Tetrachloroethane	50	47		1	95	60-140	05/01/2013 1837
Tetrachloroethene	50	51		1	103	70-130	05/01/2013 1837
Tetrahydrofuran	50	45		1	91	70-130	05/01/2013 1837
Toluene	50	50		1	101	70-130	05/01/2013 1837
1,1,1-Trichloroethane	50	53		1	106	70-130	05/01/2013 1837
1,1,2-Trichloroethane	50	46		1	93	70-130	05/01/2013 1837
Trichloroethene	50	49		1	97	70-130	05/01/2013 1837
Trichlorofluoromethane	50	53		1	106	70-130	05/01/2013 1837

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: OQ19838-002
Batch: 19838
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2,3-Trichloropropane	50	45		1	91	70-130	05/01/2013 1837
Vinyl acetate	50	42		1	84	60-140	05/01/2013 1837
Vinyl chloride	50	58		1	116	70-130	05/01/2013 1837
Xylenes (total)	100	110		1	108	70-130	05/01/2013 1837

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		87	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: OQ19838-003
Batch: 19838
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	100		1	100	3.4	70-130	20	05/01/2013 1901
Acrylonitrile	100	92		1	92	0.75	70-130	20	05/01/2013 1901
Benzene	50	47		1	95	0.52	70-130	20	05/01/2013 1901
Bromochloromethane	50	48		1	95	0.038	70-130	20	05/01/2013 1901
Bromodichloromethane	50	47		1	95	0.89	70-130	20	05/01/2013 1901
Bromoform	50	46		1	92	1.1	70-130	20	05/01/2013 1901
Bromomethane (Methyl bromide)	50	48		1	97	10	60-140	20	05/01/2013 1901
2-Butanone (MEK)	100	98		1	98	0.82	60-140	20	05/01/2013 1901
Carbon disulfide	50	52		1	104	5.0	60-140	20	05/01/2013 1901
Carbon tetrachloride	50	47		1	94	3.3	70-130	20	05/01/2013 1901
Chlorobenzene	50	46		1	93	0.19	70-130	20	05/01/2013 1901
Chloroethane	50	49		1	99	7.2	42-163	20	05/01/2013 1901
Chloroform	50	46		1	93	1.0	70-130	20	05/01/2013 1901
Chloromethane (Methyl chloride)	50	50		1	100	8.2	70-130	20	05/01/2013 1901
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	99	2.1	70-130	20	05/01/2013 1901
Dibromochloromethane	50	48		1	96	1.9	70-130	20	05/01/2013 1901
1,2-Dibromoethane (EDB)	50	46		1	93	1.4	70-130	20	05/01/2013 1901
Dibromomethane (Methylene bromide)	50	46		1	92	1.2	70-130	20	05/01/2013 1901
trans-1,4-Dichloro-2-butene	50	46		1	91	1.3	34-142	20	05/01/2013 1901
1,4-Dichlorobenzene	50	45		1	91	0.61	70-130	20	05/01/2013 1901
1,2-Dichlorobenzene	50	47		1	94	0.017	70-130	20	05/01/2013 1901
1,1-Dichloroethane	50	47		1	95	1.8	70-130	20	05/01/2013 1901
1,2-Dichloroethane	50	45		1	90	0.72	70-130	20	05/01/2013 1901
1,1-Dichloroethene	50	52		1	104	2.5	70-130	20	05/01/2013 1901
cis-1,2-Dichloroethene	50	49		1	97	2.0	70-130	20	05/01/2013 1901
trans-1,2-Dichloroethene	50	49		1	98	2.8	70-130	20	05/01/2013 1901
1,2-Dichloropropane	50	46		1	93	0.43	70-130	20	05/01/2013 1901
trans-1,3-Dichloropropene	50	42		1	85	0.86	70-130	20	05/01/2013 1901
cis-1,3-Dichloropropene	50	43		1	85	0.25	70-130	20	05/01/2013 1901
Ethylbenzene	50	52		1	105	0.99	70-130	20	05/01/2013 1901
2-Hexanone	100	88		1	88	0.75	60-140	20	05/01/2013 1901
Methyl iodide (Iodomethane)	50	48		1	96	3.6	70-130	20	05/01/2013 1901
4-Methyl-2-pentanone	100	97		1	97	0.78	60-140	20	05/01/2013 1901
Methylene chloride	50	47		1	94	1.7	70-130	20	05/01/2013 1901
Styrene	50	53		1	105	1.0	70-130	20	05/01/2013 1901
1,1,1,2-Tetrachloroethane	50	50		1	101	1.1	70-130	20	05/01/2013 1901
1,1,2,2-Tetrachloroethane	50	48		1	97	2.2	60-140	20	05/01/2013 1901
Tetrachloroethene	50	51		1	102	1.3	70-130	20	05/01/2013 1901
Tetrahydrofuran	50	46		1	92	1.3	70-130	20	05/01/2013 1901
Toluene	50	50		1	101	0.091	70-130	20	05/01/2013 1901
1,1,1-Trichloroethane	50	51		1	103	3.3	70-130	20	05/01/2013 1901
1,1,2-Trichloroethane	50	48		1	95	2.8	70-130	20	05/01/2013 1901
Trichloroethene	50	49		1	98	0.34	70-130	20	05/01/2013 1901
Trichlorofluoromethane	50	50		1	100	5.5	70-130	20	05/01/2013 1901

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: OQ19838-003
Batch: 19838
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
1,2,3-Trichloropropane	50	47		1	94	3.0	70-130	20	05/01/2013 1901
Vinyl acetate	50	41		1	82	2.2	60-140	20	05/01/2013 1901
Vinyl chloride	50	54		1	109	6.6	70-130	20	05/01/2013 1901
Xylenes (total)	100	110		1	108	0.23	70-130	20	05/01/2013 1901

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		105	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Appendix I Metals - MB

Sample ID: OQ19011-001
Batch: 19011
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 04/24/2013 1500

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Antimony	ND		1	0.010	mg/L	04/26/2013 0146
Arsenic	ND		1	0.010	mg/L	04/26/2013 0146
Barium	ND		1	0.025	mg/L	04/26/2013 0146
Beryllium	ND		1	0.0040	mg/L	04/26/2013 0146
Cadmium	ND		1	0.0020	mg/L	04/26/2013 0146
Chromium	ND		1	0.0050	mg/L	04/26/2013 0146
Cobalt	ND		1	0.025	mg/L	04/26/2013 0146
Copper	ND		1	0.0050	mg/L	04/26/2013 0146
Lead	ND		1	0.010	mg/L	04/26/2013 0146
Nickel	ND		1	0.040	mg/L	04/26/2013 0146
Selenium	ND		1	0.010	mg/L	04/26/2013 0146
Silver	ND		1	0.0050	mg/L	04/26/2013 0146
Vanadium	ND		1	0.050	mg/L	04/26/2013 0146
Zinc	ND		1	0.020	mg/L	04/26/2013 0146

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Appendix I Metals - LCS

Sample ID: OQ19011-002
Batch: 19011
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 04/24/2013 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Antimony	0.40	0.40		1	100	80-120	04/26/2013 0150
Arsenic	0.40	0.41		1	103	80-120	04/26/2013 0150
Barium	2.0	2.0		1	99	80-120	04/26/2013 0150
Beryllium	2.0	2.0		1	102	80-120	04/26/2013 0150
Cadmium	0.40	0.40		1	101	80-120	04/26/2013 0150
Chromium	2.0	2.0		1	100	80-120	04/26/2013 0150
Cobalt	2.0	2.1		1	104	80-120	04/26/2013 0150
Copper	2.0	2.0		1	99	80-120	04/26/2013 0150
Lead	0.40	0.43		1	107	80-120	04/26/2013 0150
Nickel	2.0	2.1		1	104	80-120	04/26/2013 0150
Selenium	0.40	0.43		1	108	80-120	04/26/2013 0150
Silver	0.40	0.39		1	98	80-120	04/26/2013 0150
Vanadium	2.0	2.0		1	100	80-120	04/26/2013 0150
Zinc	2.0	2.0		1	100	80-120	04/26/2013 0150

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Appendix I Metals - LCSD

Sample ID: OQ19011-003
Batch: 19011
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 04/24/2013 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Antimony	0.40	0.40		1	101	0.39	80-120	20	04/26/2013 0154
Arsenic	0.40	0.41		1	102	0.49	80-120	20	04/26/2013 0154
Barium	2.0	2.0		1	99	0.11	80-120	20	04/26/2013 0154
Beryllium	2.0	2.0		1	102	0.073	80-120	20	04/26/2013 0154
Cadmium	0.40	0.40		1	101	0.26	80-120	20	04/26/2013 0154
Chromium	2.0	2.0		1	100	0.16	80-120	20	04/26/2013 0154
Cobalt	2.0	2.1		1	104	0.26	80-120	20	04/26/2013 0154
Copper	2.0	2.0		1	98	0.095	80-120	20	04/26/2013 0154
Lead	0.40	0.42		1	106	0.91	80-120	20	04/26/2013 0154
Nickel	2.0	2.1		1	104	0.30	80-120	20	04/26/2013 0154
Selenium	0.40	0.43		1	107	1.1	80-120	20	04/26/2013 0154
Silver	0.40	0.39		1	98	0.47	80-120	20	04/26/2013 0154
Vanadium	2.0	2.0		1	100	0.29	80-120	20	04/26/2013 0154
Zinc	2.0	2.0		1	100	0.18	80-120	20	04/26/2013 0154

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - MB

Sample ID: OQ19090-001
Batch: 19090
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 04/25/2013 1630

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.00010	mg/L	04/26/2013 1038

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCS

Sample ID: OQ19090-002
Batch: 19090
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 04/25/2013 1630

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0018		1	89	85-115	04/26/2013 1041

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

CVAA - LCSD

Sample ID: OQ19090-003 **Matrix:** Aqueous
Batch: 19090 **Prep Method:** 7470A
Analytical Method: 7470A **Prep Date:** 04/25/2013 1630

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0018		1	92	2.8	85-115	20	04/26/2013 1043

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY

Chain of Custody Record

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Number 21207

Client	Enviro-Pro, P.C.
Address	2646 Farmlake Ln.
City	Ft. Mill
State	SC
Zip Code	29708
Project Name	Hwy 49 C&D
Project Number	EP-1271
P.O Number	
Report to Contact	T. Bolyard
Telephone No. / Fax No. / Email	803-547-4955
Sampler (Printed Name)	T. Bolyard
Waybill No.	
Quote No.	
Page	1 of 1

Preservative: 1. Unpres. 2. NaOH/ZnA 3. H2SO4 4. HNO3 5. HCL 6. Na Thio. 7. NaOH

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix GW	DW	WW	S	Other	App. I VOCs + THF	App. I Metals + Hg	TDS	Alkalinity	Chloride	Sulfates	Remarks / Cooler ID
Number of Containers									3	1	1				
Bottle (See Instructions on back)									A	D	F				
Preservative									5	4	1				
Lot No.															0D23048
MW-21	4/22/13	8:00	G	X					✓	✓	✓	✓	✓	✓	Use Lower Level
MW-55	"	8:30	G	X					✓	✓	✓	✓	✓	✓	NC DENR Solid Waste
MW-56	"	9:00	G	X					✓	✓	✓	✓	✓	✓	Detection Limits; Also
MW-57	"	9:30	G	X					✓	✓	✓	✓	✓	✓	send EDD version
SW-1 (up)	"	10:00	G	X					✓	✓					of lab data
SW-2 (down)	"	10:15	G	X					✓	✓					
Field Blank	"	9:15	G	X					✓						
Trip Blank									✓						

Turn Around Time Required (Prior lab approval required for expedited TAT): ☑ Standard ☐ Rush (Please Specify) 7-day TAT

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: T. Bolyard	4/23/13	1320	1. Received by: [signature]	4.23.13	1320
2. Relinquished by: [signature]	4.23.13	1535	2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory Received by: [signature]	4/23/13	1535

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ☑ Yes ☐ No ☐ Ice Pack
Receipt Temp 1.0 °C
Temp. Blank ☐ Y / ☐ N

APPENDIX B

WELL DEVELOPMENT, PURGE, AND SAMPLE RECORD

CLIENT: Hwy 49 C&D Landfill
LOCATION: Harrisburg, NC
PROJECT NAME/DESCRIPTION: Hwy 49 C&D
DATE OF WATER LEVEL MEASUREMENTS: 5-31-13

DEVELOP:
PURGING: ✓
SAMPLING: ✓

PROJECT NO.: EP-1271
PROJ. MGR.: THB
CHECKED BY:
PREPARED BY: THB

Sample ID	A Well No.	B Sample Date	C Time (hrs)	D Well Depth (ft)	E MP* Elevation (ft)	F Depth to Water (ft-bmp)	(E-F)=G Water Level Elevation (ft)	(D-F)=H Hgt. of Water Col. (ft)	I Volume of Water (gal)*	Vol. of Water Pgd. (gal)**	Temp. (°C)	Specific Cond. (umhos)	pH	Turbidity or Appearance
	MW-21	5-31-13	8:00	56		41.15		8.85	1.44	4.3				
	MW-55	"	8:30	23		14.74		8.26	1.34	4				
	MW-56	"	9:00	25		6.31		18.69	3	9				
	MW-57	"	9:30	17		11.25		5.75	0.9	2.7				
	SW-1 (up)	"	10:00	—										
	SW-2 (down)	"	10:15	—										
	Field Blank	"	9:15	—										

Comments

*To calculate volume of water in the well multiply "H" by 0.163 for a 2" well, 0.652 for a 4" well, or 1.469 for a 6" well

**To calculate purge volume, multiply "I" by the desired number of well volumes (e.g., 3 to 5)

e.g., after each well volume)