BLUE RIDGE
ENVIRONMENTAL
SERVICES,
INC.

ENGINEERING • ENVIRONMENTAL • GEOLOGY

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Shelby, North Carolina 28152
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Email: BRESI@BlueRidge-ESI.com

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Facility Name:

Travis Knits
1515 West Academy Street
Cherryville, NC 28021

Property Owner:

Travis Knits Inc.
P.O. Box 190
Lincolnton, North Carolina 28052

Consultant:
Blue Ridge Environmental Services, Inc.
2315 Kings Road Ext.
Shelby, North Carolina 28152
(704) 482-2111

Kenneth A. Pimienta
Geologist/Project Manager

Joseph W. McMurray, P.G.
Registration No. 1382

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A. Site Information

1. Site Identification

Date of Report: August 20, 2015

Site Name: Travis Knits

Address: 1515 West Academy Street

City: Cherryville State: North Carolina Zip Code: 28021

County: Gaston

Description of Geographical Data Point: Former textile facility building

Location Method: GPS

Latitude: 35°N 22' 9.159" Longitude: 81°W 24' 6.9186"

2. Information about Contacts Associated with Site:

Property Owner: Travis Knits Inc.

Address: P.O. Box 190

City: Lincolnton State: North Carolina Zip Code: 28093

Telephone: N/A

Consultant: Blue Ridge Environmental Services, Inc.

Address: 2315 Kings Road Extension

City: Shelby State: North Carolina Zip Code: 28152

Telephone: (704) 482-2111

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Analytical Laboratory: Shealy Environmental Services, INC.

State Certification No.: 329

Address: 106 Vantage Point Drive, West Columbia, SC 29172

Telephone: (803) 791-9700

B. Site History and Background

The Travis Knits site is located in an industrial/residential area at 1515 West Academy Street, Cherryville, North Carolina. The project site contains a former textile dyeing and finishing facility with a warehouse area. The western most portion of the building and former warehouse area was being utilized by Tire Cord USA for storage at the time of this assessment. Two USTs were removed from the eastern portion of the building outside of the boiler room in the early 1980's. The USTs reportedly consisted of a 10,000-gallon tank containing #6 fuel oil and a 500-gallon tank containing #2 fuel oil. The fuel oil was reportedly utilized in the boiler system.

D. Site Geology/Hydrogeology

The project site is located within the Piedmont physiographic province of North Carolina according to the Geologic Map of North Carolina (1985). Underlying bedrock at the site likely consists of plutonic and intrusive, Pennsylvanian aged Upper Paleozoic granitic rocks (Pzg3).

No water supply wells were found within the boundaries of the project site. Natural springs and streams were not observed within the boundaries of the project site. Without performing a hydrogeologic evaluation, the actual direction of groundwater flow at the subject site cannot be determined. Based on our site visit and our review of the local topography, the shallow groundwater resources would be expected to flow towards the southeast toward an unnamed perennial creek which is a tributary to Muddy Fork stream.

E. Sampling Results

Site Assessment Activities

On July 28, 2015 and July 29, 2015 Blue Ridge installed soil borings SB-1 through SB-9. Soil borings SB-1 and SB-2 were completed to 35 feet below grade level (bgl) and

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SB-3 through SB-6 and SB-8 were completed to 40 feet bgl. Soil boring SB-7 was completed to 20 feet bgl and SB-9 was completed to 15 feet bgl. A copy of the boring logs is included as Appendix A.

Soil samples were collected from SB-2, SB-4, SB-7, SB-8, SB-9 at depths ranging from 4 to 20 feet bgl. The soil samples were submitted for laboratory analysis by Method 8260, 8270 and 8 Resource Conservation and Recovery Act (RCRA) Metals. Analytical results indicated that of the five soil samples collected, two (SB-8, SB-9) had detectable contaminant concentrations of Tetrachloroethene above the soil-to-water Maximum Soil Contaminant Concentration (MSCC). All other remaining constituents analyzed were below the Maximum Soil Contaminant Concentration (MSCC) in the soil samples collected. Soil analytical results are summarized in Table - 1 Summary of Soil Sampling Results and Table - 2 Summary of Soil Sampling Results (8 RCRA Metals). Please refer to Figure 3 for soil analytical results at site specific locations.

Of the soil borings installed during this assessment, Blue Ridge collected groundwater samples from SB-1 through SB-6 and SB-8. The groundwater samples were submitted for laboratory analysis by Method 8260, 8270 and 8 RCRA Metals. Groundwater analytical results indicated that of the seven groundwater samples collected, six (SB-2 through SB-6 and SB-8) had detectable concentrations of cis-1,2-Dichloroethane, Tetrachloroethene (PCE), Trichloroethene (TCE), Chromium and Lead above the North Carolina Groundwater Quality Standards (GWQS). All other remaining constituents analyzed were below the GWQS in the groundwater samples collected. Groundwater analytical results are summarized in Table - 3 Summary of Groundwater Sampling Results and Table - 4 Summary of Groundwater Sampling Results (8 RCRA Metals). Please refer to Figure 4 for groundwater analytical results at site specific locations. A copy of the laboratory analytical data is included as Appendix B.

F. Conclusions

- Soil samples collected from SB-8 and SB-9 indicated a violation of the soil-to-water MSCC for Tetrachloroethene.
- Laboratory results of the groundwater samples collected from SB-2, SB-3, SB-4, SB-5, SB-6 and SB-8 revealed detectable concentrations of cis-1,2-Dichloroethene, Tetrachloroethene (PCE), Trichloroethene (TCE), Chromium and Lead that exceeded the GWQS.
- Furthermore, the soil and groundwater violations detailed in this report should be reported to the North Carolina Department of Environment and Natural Resources (NCDENR).

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Enclosures

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Table 3 - Select Summary of Groundwater Sampling Results
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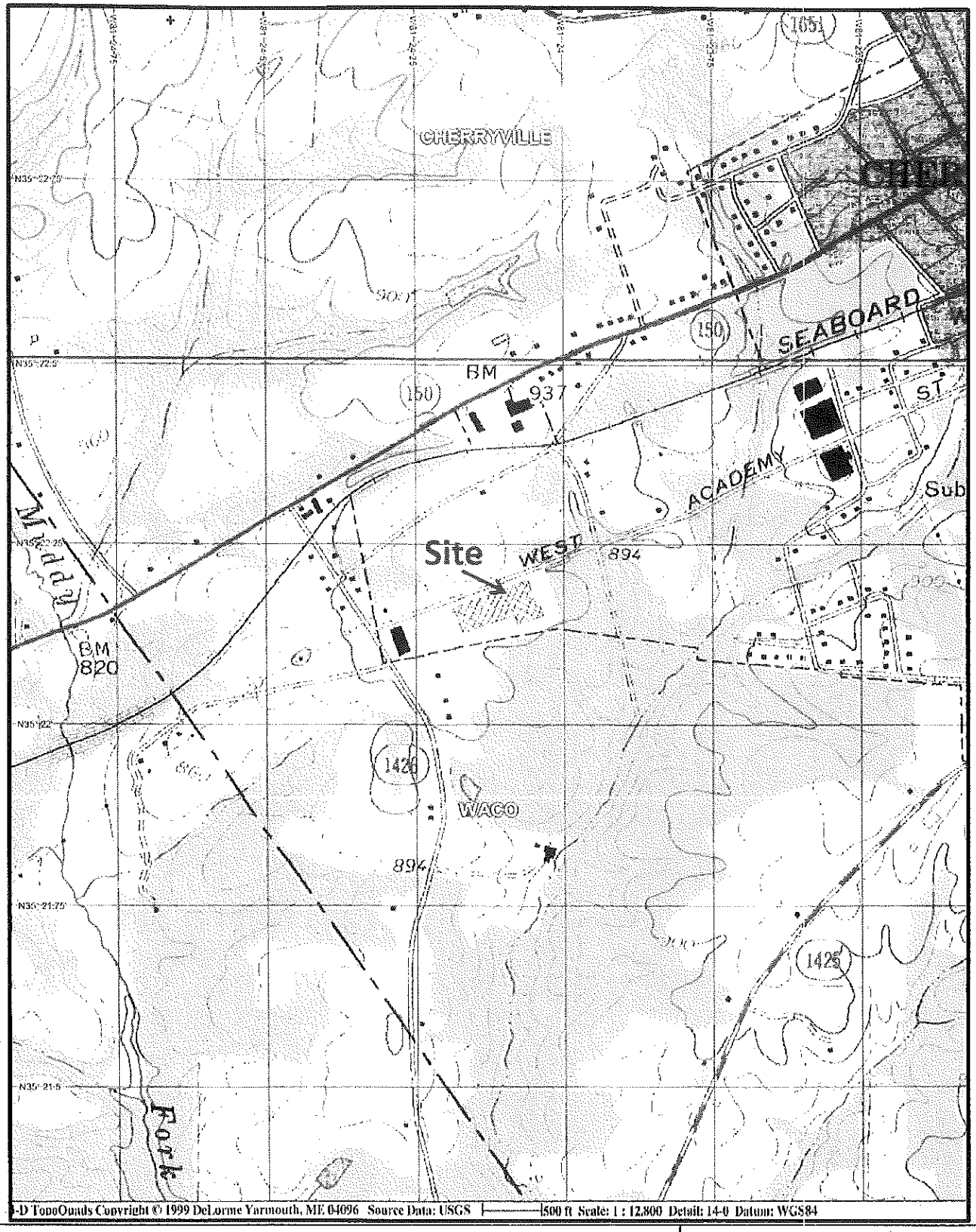
Appendices
Appendix A - Soil Boring Logs
Appendix B - Laboratory Analytical Data and Chain of Custody Records

FIGURES



SITE VICINITY MAP

North

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Project:	Travis Knits
Location:	1515 West Academy Street
	Cherryville, North Carolina 28021
Source:	Delorme 3-D Topoquads
Date: August 20, 2015	Figure 1

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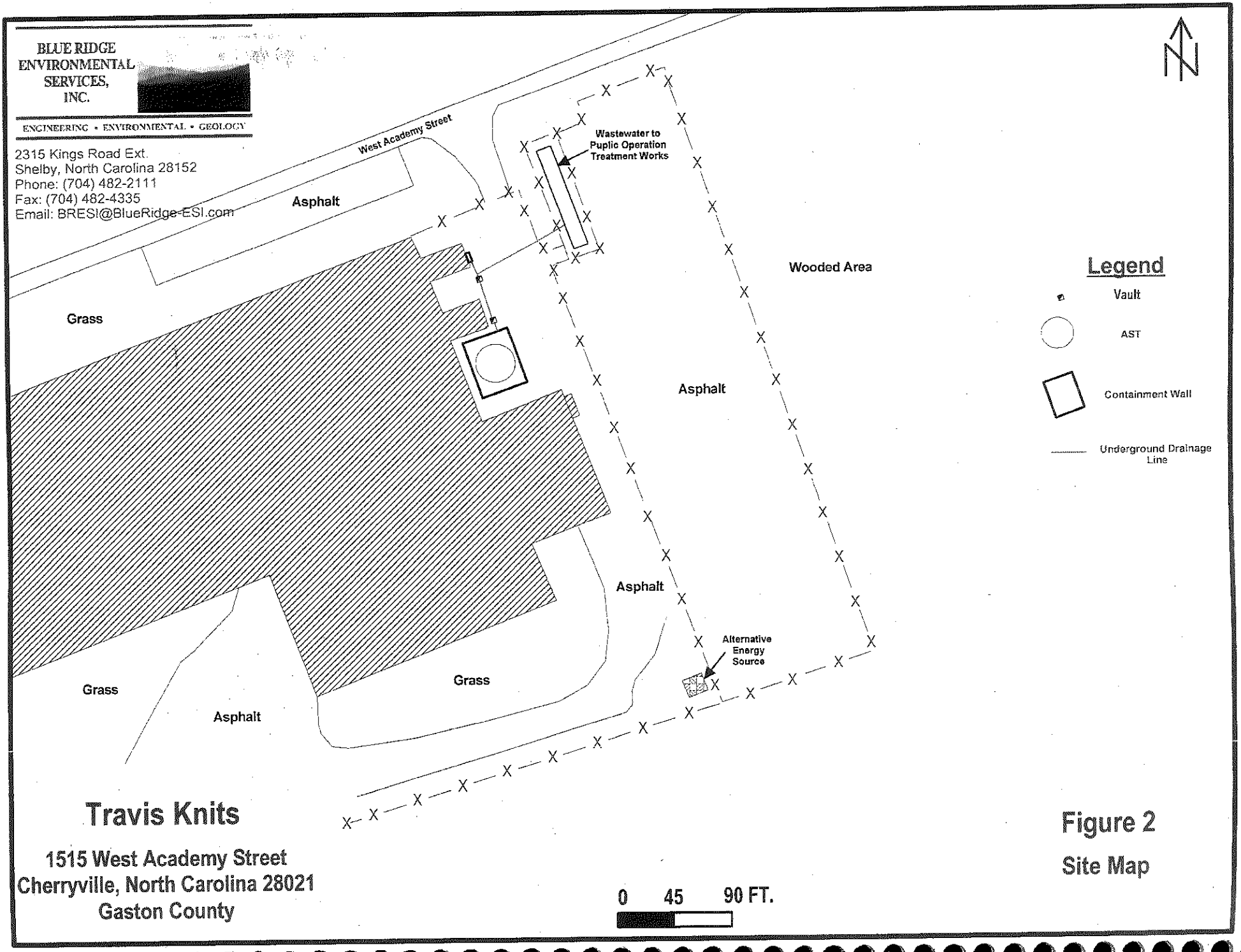

Travis Knits

1515 West Academy Street
Cherryville, North Carolina 28021
Gaston County

Figure 2
Site Map

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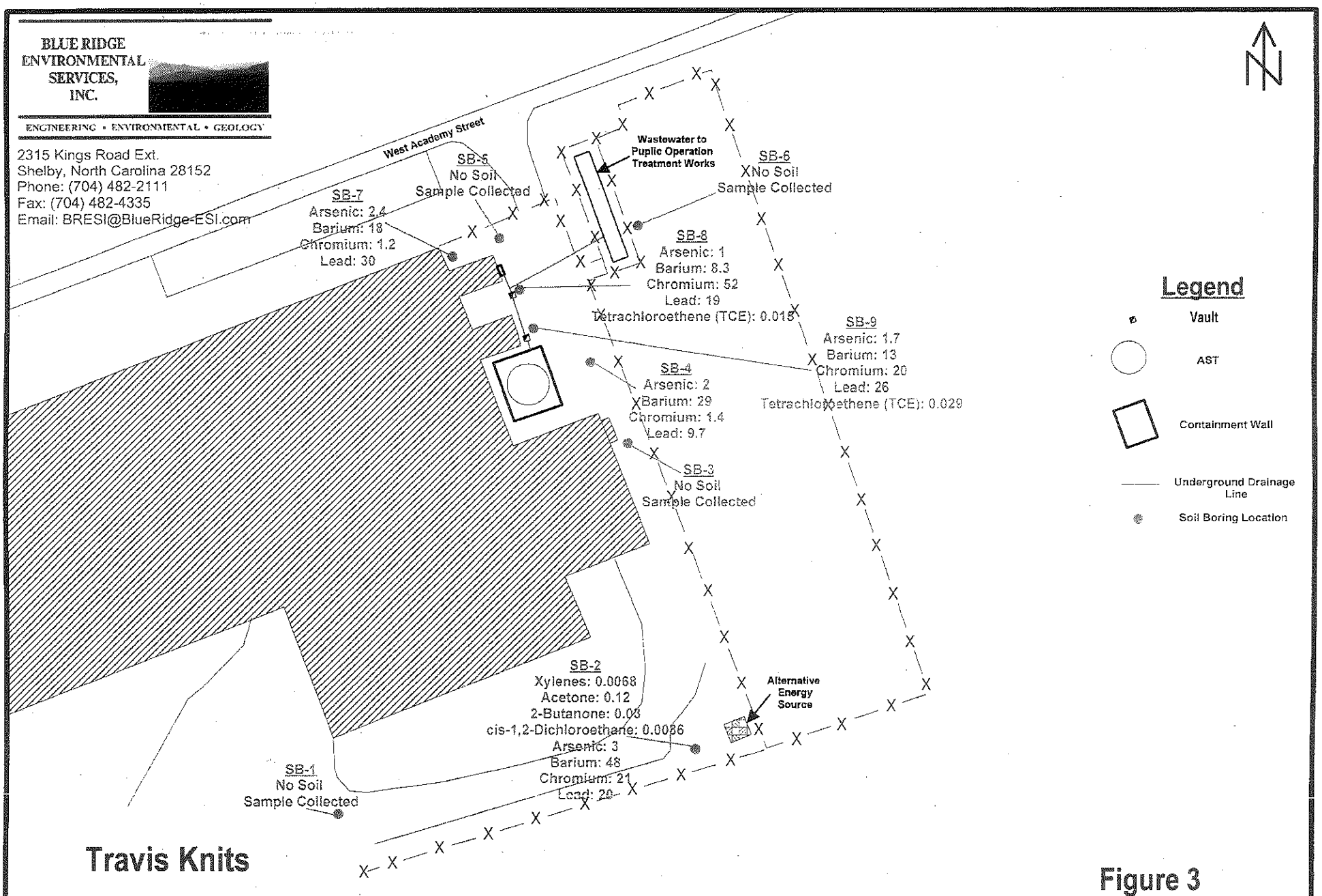

Travis Knits

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Gaston County

Soil Results Shown in mg/KG
Only Laboratory Detected Constiuents Are Noted

0 45 90 FT.

Figure 3

Soil Contaminant Map

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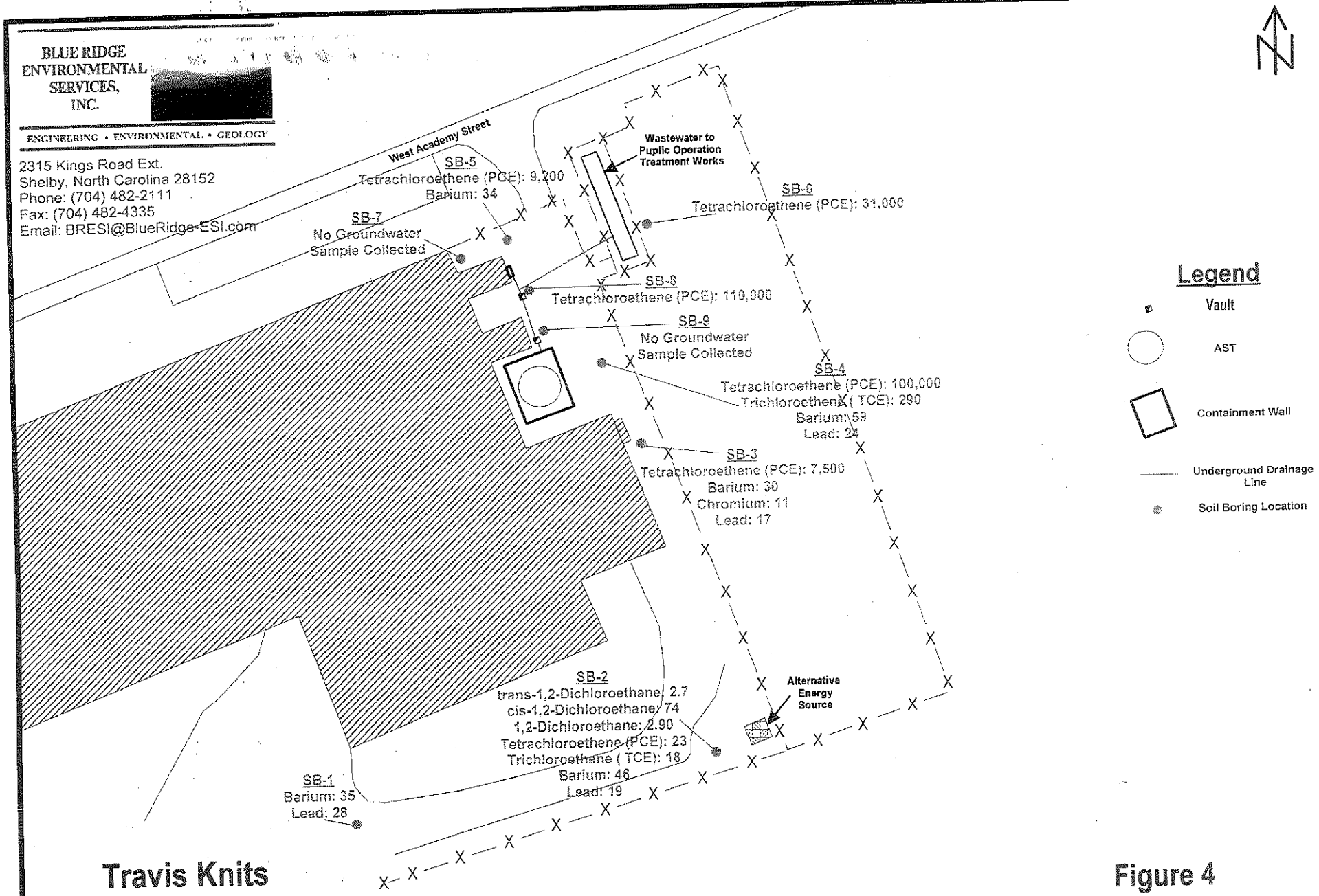

Travis Knits

1515 West Academy Street
Cherryville, North Carolina 28021
Gaston County

Groundwater Results Shown in ug/L
Only Laboratory Detected Constiuents Are Noted

0 45 90 FT.

Figure 4

Groundwater Contaminant Map

TABLES

Table 1[1]
Travis Knits

Summary of Soil Sampling Results

Analytical Method →				EPA METHOD 8260B & EPA METHOD 8270D									
Contaminant of Concern (mg/kg) →				Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	MTBE	Acetone	2-Butanone (MEK)	cis-1,2-Dichloroethene	Tetrachloroethene (TCE)
Sample ID	Date Collected	Sample Depth (ft.)	Incident Phase										
SB-2	7/28/2015	4-5	Phase II ESA	<0.0059	<0.0059	<0.0059	0.0068	<0.43	<0.0059	0.12	0.03	0.0086	<0.0059
SB-4	7/28/2015	14-15	Phase II ESA	<0.0053	<0.0053	<0.0053	<0.0053	<0.390	<0.0053	<0.021	<0.011	<0.0053	<0.0053
SB-7	7/29/2015	14-15	Phase II ESA	<0.0050	<0.0050	<0.0050	<0.0050	<0.400	<0.0050	<0.020	<0.0010	<0.0050	<0.0050
SB-8	7/29/2015	19-20	Phase II ESA	<0.0043	<0.0043	<0.0043	<0.0043	<0.380	<0.0043	<0.017	<0.085	<0.043	**0.029**
SB-9	7/29/2015	9-10	Phase II ESA	<0.0049	<0.0049	<0.0049	<0.0049	<0.380	<0.0049	<0.020	<0.0098	<0.0049	**0.015**
Soil to groundwater MSCC (mg/kg)				0.0056	4.3	4.9	4.6	0.16	0.091	24	16	0.35	0.0074
Residential MSCC (mg/kg)				18	1,200	1,560	3,129	313	350	14,000	9,385	156	1.1
Industrial/Commercial MSCC (mg/kg)				164	32,000	40,000	81,760	8,176	3,100	360,000	245,280	4,000	10

[1]: Keyed to Figure 3

Concentraions in bold exceed soil to groundwater MSCC.

Please note that only common and detectable constituents are noted.

Table 2[1]
Travis Knits

Summary of Soil Sampling Results
(8 RCRA Metals)

Analytical Method →				8 RCRA METALS							
Contaminant of Concern (mg/kg) →				Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Sample ID	Date Collected	Sample Depth (ft.)	Incident Phase								
SB-2	7/28/2015	4-5	Phase II ESA	**3**	**48**	<0.31	**21**	**20**	<0.099	<1.2	<0.62
SB-4	7/28/2015	14-15	Phase II ESA	**2**	**29**	<0.29	**1.4**	**9.7**	<0.094	<1.2	<0.58
SB-7	7/29/2015	14-15	Phase II ESA	**2.4**	**18**	<0.29	**1.2**	**30**	<0.096	<1.2	<0.058
SB-8	7/29/2015	19-20	Phase II ESA	**1**	**8.3**	<0.27	**52**	**19**	<0.095	**1.1**	<0.53
SB-9	7/29/2015	9-10	Phase II ESA	**1.70**	**13**	<0.29	**20**	**26**	<0.086	<1.1	<0.57

[1]: Keyed to Figure 3

Detectable concentraions are noted in bold.

Table 3[1]
Travis Knits

Summary of Groundwater Sampling Results

Analytical Method →				EPA METHOD 8260B & EPA METHOD 8270D												
Contaminant of Concern → (ug/L)				Benzene	Ethylbenzene	Toluene	Xylenes	MTBE	Naphthalene	1,2-Dibromoethane (EDB)	trans-1,2-Dichloroethane	cis-1,2-Dichloroethane	1,2-Dichloroethane	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1'-Biphenyl
Well or SW ID	Date Collected	Sample ID	Incident Phase													
SB-1	7/28/2015	SB-1	Phase II ESA	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<5
SB-2	7/28/2015	SB-2	Phase II ESA	<1	<1	<1	<1	<1	<5	<1	2.70	**74**	2.90	**23**	**18**	<5
SB-3	7/28/2015	SB-3	Phase II ESA	<2,000	<2,000	<2,000	<2,000	<2,000	<10	<2,000	<2,000	<2,000	<2,000	**7,500**	<2,000	<10
SB-4	7/28/2015	SB-4	Phase II ESA	<200	<200	<200	<200	<200	<5	<200	<200	<200	<200	**100,000**	**290**	<5
SB-5	7/28/2015	SB-5	Phase II ESA	<500	<500	<500	<500	<500	<5	<500	<500	<500	<500	**9,200**	<500	<5
SB-6	7/28/2015	SB-6	Phase II ESA	<5,000	<5,000	<5,000	<5,000	<5,000	<5	<5,000	<5,000	<5,000	<5,000	**31,000**	<5,000	<5
SB-8	7/28/2015	SB-8	Phase II ESA	<500	<500	<500	<500	<500	<5	<500	<500	<500	<500	**110,000**	<500	10
2L Standard (ug/L)				1	600	600	500	20	6	0.02	100	70	7	0.70	3	400

[1]: Keyed to Figure 4
Concentrations in bold exceed the NC 15A NCAC 2L .0202 Groundwater Standard
Please note that only common and detectable constituents are noted.

Table 4[1]
Travis Knits
Summary of Groundwater Sampling Results
(8 RCRA Metals)

Analytical Method →				8 RCRA METALS							
Contaminant of Concern → (ug/L)				Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Well or SW ID	Date Collected	Sample ID	Incident Phase								
SB-1	7/28/2015	SB-1	Phase II ESA	<15	35	<5	<10	**28**	<0.10	<20	<10
SB-2	7/28/2015	SB-2	Phase II ESA	<15	46	<5	<10	**19**	<0.10	<20	<10
SB-3	7/28/2015	SB-3	Phase II ESA	<15	30	<5	**11**	**17**	<0.10	<20	<10
SB-4	7/28/2015	SB-4	Phase II ESA	<15	59	<5	<10	**24**	<0.10	<20	<10
SB-5	7/28/2015	SB-5	Phase II ESA	<15	34	<5	<10	<10	<0.10	<20	<10
SB-6	7/28/2015	SB-6	Phase II ESA	<15	<25	<5	<10	<10	<0.10	<20	<10
SB-8	7/28/2015	SB-8	Phase II ESA	<15	<25	<5	<10	<10	<0.10	<20	<10
2L Standard (ug/L)				10	700	2	10	15	1	20	20

[1]: Keyed to Figure 4

Concentrations in bold exceed the NC 15A NCAC 2L .0202 Groundwater Standard

APPENDICES

APPENDIX A

BLUE RIDGE ENVIRONMENTAL SERVICES, INC.

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Soil Boring Log

Project: Travis Knits

Date Started: 7/28/15

Date Completed: 7/28/15

Driller: Joe McMurray

	Strata Depth (Ft.)		Soil Lithologhy	PID Readings (ppm)
Sample ID	From	To	Soil Description and Remarks	
SB-1	0	5	Red Orange Silty Clay	9.4
	5	10	Orange Micaceous Silty Sand	9.6
	10	15	Brown Micaceous Silty Sand	2.9
	15	20	Brown Micaceous Silty Sand	0.4
	20	25	Brown Micaceous Silty Sand	2.5
	25	30	Brown Micaceous Silty Sand	3.8
	30	35	Brown Micaceous Silty Sand	N/A
SB-2	0	5	Gray Silty Clay	4.4
	5	10	Red Orange Silty Sand	0.0
	10	15	Brown Silty Sand	0.0
	15	20	Brown to White Micaceous Silty Sand	0.0
	20	25	Brown to White Micaceous Silty Sand	0.0
	25	30	Brown to White Micaceous Silty Sand	0.0
	30	35	Brown to White Micaceous Silty Sand	N/A
SB-3	0	5	Gray Silty Clay	5.7
	5	10	Red Orange Silty Sand	4.3
	10	15	Brown Silty Sand	5.1
	15	20	Brown to White Micaceous Silty Sand	11.6
	20	25	Brown to White Micaceous Silty Sand	2.2
	25	30	Brown to White Micaceous Silty Sand	1.3
	30	35	Brown to White Micaceous Silty Sand	6.9
	35	40	Brown to White Micaceous Silty Sand	N/A

BLUE RIDGE ENVIRONMENTAL SERVICES, INC.

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Soil Boring Log

Project: Travis Knits

Date Started: 7/28/15

Date Completed: 7/28/15

Driller: Joe McMurray

	Strata Depth (Ft.)		Soil Lithologhy	PID Readings (ppm)
Sample ID	From	To	Soil Description and Remarks	
SB-4	0	5	Orange Micaceous Silty Sand	25.1
	5	10	Orange Micaceous Silty Sand	12.9
	10	15	Red-Orange to Brown Micaceous Silty Sand	120
	15	20	Red-Orange to Brown Micaceous Silty Sand	51
	20	25	Red-Orange to Brown Micaceous Silty Sand	35.8
	25	30	Red-Orange to Brown Micaceous Silty Sand	5
	30	35	Red-Orange to Brown Micaceous Silty Sand	6
	35	40	Red-Orange to Brown Micaceous Silty Sand	N/A
SB-5	0	5	Red-Orange Micaceous Silty Sand	6.4
	5	10	White to Brown Micaceous Silty Sand	3.6
	10	15	White to Brown Micaceous Silty Sand	4.5
	15	20	White to Brown Micaceous Silty Sand	5.1
	20	25	White to Brown Micaceous Silty Sand	4
	25	30	White to Brown Micaceous Silty Sand	4.6
	30	35	White to Brown Micaceous Silty Sand	1.3
	35	40	White to Brown Micaceous Silty Sand	1.2
SB-6	0	5	Reddish Brown Micaceous Silty Sand	1.6
	5	10	Reddish Brown Micaceous Silty Sand	4.0
	10	15	Reddish Brown Micaceous Silty Sand	2.9
	15	20	Reddish Brown Micaceous Silty Sand	9.1
	20	25	Reddish Brown Micaceous Silty Sand	15
	25	30	Reddish Brown Micaceous Silty Sand	4.2
	30	35	Brown to White Micaceous Silty Sand	7.9
	35	40	Brown to White Micaceous Silty Sand	N/A

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Soil Boring Log

Project: Travis Knits

Date Started: 7/29/15

Date Completed: 7/29/15

Driller: Joe McMurray

	Strata Depth (Ft.)		Soil Lithologhy	PID Readings (ppm)
Sample ID	From	To	Soil Description and Remarks	
SB-7	0	5	Reddish Brown Micaceous Silty Sand	5.8
	5	10	Light Brown Micaceous Silty Sand	11.7
	10	15	Light Brown Micaceous Silty Sand	22.3
	15	20	Light Brown Micaceous Silty Sand	12.5
SB-8	0	5	Reddish Brown Micaceous Silty Sand	187
	5	10	Reddish Brown Micaceous Silty Sand	39.7
	10	15	White to Brown Micaceous Silty Sand	32.1
	15	20	White to Brown Micaceous Silty Sand	266.1
	20	25	White to Brown Micaceous Silty Sand	231.2
	25	30	White to Brown Micaceous Silty Sand	N/A
	30	35	Brown Micaceous Silty Sand	N/A
	35	40	Brown Micaceous Silty Sand	N/A
SB-9	0	5	Reddish Brown Micaceous Silty Sand	51.4
	5	10	Light Brown Micaceous Silty Sand	76.5
	10	15	Light Brown Micaceous Silty Sand	30.4

APPENDIX B

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Blue Ridge Environmental Services
2315 Kings Road Ext.
Shelby, NC 28152
Attention: Joe McMurray

Project Name: **Travis Knits**

Project Number: **1515 West Academy St. Cherryville NC**

Lot Number: **QG30064**

Date Completed: **08/13/2015**

Kelly M. Nance
Project Manager

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

Case Narrative
Blue Ridge Environmental Services
Lot Number: QG30064

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.

GC/MS Volatiles
The MS/MSD associated with sample -009 had tetrachloroethene recovered outside of the acceptance limits. The LCS was recovered within the required acceptance limits; therefore, this demonstrates a matrix effect and data quality is not impacted.

Sample -012 was analyzed at a 2000x dilution for tetrachloroethene out of a vial with headspace.

GC/MS Semivolatiles
The LCS associated with batch 81249 had 2,4-dimethylphenol, acenaphthylene and caprolactam recovered above the acceptance limits. This demonstrates a high bias on analytical results. There were no detections for these compounds in the samples associated with this batch; therefore, data quality is not impacted.

The MS/MSD associated with sample -001 had compounds recovered outside of the acceptance limits. This demonstrates a matrix effect and data quality is not impacted.

Inorganic Metals
The low level continuing calibration verification for batch 81315 had arsenic recovered above the acceptance limits. There were no detections for arsenic in the samples associated with this batch; therefore, data quality is not impacted.

The low level continuing calibration verification for batch 81519 had selenium recovered above the acceptance limits. There were no detections for selenium in the samples associated with this batch; therefore, data quality is not impacted.

Sample Summary
Blue Ridge Environmental Services
Lot Number: QG30064

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SB-2	Solid	07/28/2015 1145	07/30/2015
002	SB-4	Solid	07/28/2015 1600	07/30/2015
003	SB-7	Solid	07/29/2015 1205	07/30/2015
004	SB-8	Solid	07/29/2015 1210	07/30/2015
005	SB-9	Solid	07/29/2015 1215	07/30/2015
006	SB-1	Aqueous	07/28/2015 1136	07/30/2015
007	SB-2	Aqueous	07/28/2015 1150	07/30/2015
008	SB-3	Aqueous	07/28/2015 1507	07/30/2015
009	SB-4	Aqueous	07/28/2015 1612	07/30/2015
010	SB-5	Aqueous	07/28/2015 1600	07/30/2015
011	SB-6	Aqueous	07/29/2015 1009	07/30/2015
012	SB-8	Aqueous	07/29/2015 1255	07/30/2015

(12 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary
Blue Ridge Environmental Services
Lot Number: QG30064

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	SB-2	Solid	Acetone	8260B	120		ug/kg	6
001	SB-2	Solid	2-Butanone (MEK)	8260B	30		ug/kg	6
001	SB-2	Solid	cis-1,2-Dichloroethene	8260B	8.6		ug/kg	6
001	SB-2	Solid	Xylenes (total)	8260B	6.8		ug/kg	7
001	SB-2	Solid	Arsenic	6010C	2.7		mg/kg	10
001	SB-2	Solid	Barium	6010C	48		mg/kg	10
001	SB-2	Solid	Chromium	6010C	21		mg/kg	10
001	SB-2	Solid	Lead	6010C	20		mg/kg	10
002	SB-4	Solid	Arsenic	6010C	2.0		mg/kg	15
002	SB-4	Solid	Barium	6010C	29		mg/kg	15
002	SB-4	Solid	Chromium	6010C	1.4		mg/kg	15
002	SB-4	Solid	Lead	6010C	9.7		mg/kg	15
003	SB-7	Solid	Arsenic	6010C	2.4		mg/kg	20
003	SB-7	Solid	Barium	6010C	18		mg/kg	20
003	SB-7	Solid	Chromium	6010C	1.2		mg/kg	20
003	SB-7	Solid	Lead	6010C	30		mg/kg	20
004	SB-8	Solid	Tetrachloroethene	8260B	29		ug/kg	21
004	SB-8	Solid	Arsenic	6010C	1.0		mg/kg	25
004	SB-8	Solid	Barium	6010C	8.3		mg/kg	25
004	SB-8	Solid	Chromium	6010C	52		mg/kg	25
004	SB-8	Solid	Lead	6010C	19		mg/kg	25
005	SB-9	Solid	Tetrachloroethene	8260B	15		ug/kg	26
005	SB-9	Solid	Arsenic	6010C	1.7		mg/kg	30
005	SB-9	Solid	Barium	6010C	13		mg/kg	30
005	SB-9	Solid	Chromium	6010C	20		mg/kg	30
005	SB-9	Solid	Lead	6010C	26		mg/kg	30
006	SB-1	Aqueous	Barium	6010C	0.035		mg/L	35
006	SB-1	Aqueous	Lead	6010C	0.028		mg/L	35
007	SB-2	Aqueous	trans-1,2-Dichloroethene	8260B	2.7		ug/L	36
007	SB-2	Aqueous	cis-1,2-Dichloroethene	8260B	74		ug/L	36
007	SB-2	Aqueous	1,1-Dichloroethene	8260B	2.9		ug/L	36
007	SB-2	Aqueous	Tetrachloroethene	8260B	23		ug/L	36
007	SB-2	Aqueous	Trichloroethene	8260B	18		ug/L	37
007	SB-2	Aqueous	Barium	6010C	0.046		mg/L	40
007	SB-2	Aqueous	Lead	6010C	0.019		mg/L	40
008	SB-3	Aqueous	Tetrachloroethene	8260B	7500		ug/L	41
008	SB-3	Aqueous	Barium	6010C	0.030		mg/L	45
008	SB-3	Aqueous	Chromium	6010C	0.011		mg/L	45
008	SB-3	Aqueous	Lead	6010C	0.017		mg/L	45
009	SB-4	Aqueous	Tetrachloroethene	8260B	100000		ug/L	46
009	SB-4	Aqueous	Trichloroethene	8260B	290		ug/L	47
009	SB-4	Aqueous	Barium	6010C	0.059		mg/L	50
009	SB-4	Aqueous	Lead	6010C	0.024		mg/L	50
010	SB-5	Aqueous	Tetrachloroethene	8260B	9200		ug/L	51
010	SB-5	Aqueous	Barium	6010C	0.034		mg/L	55

Executive Summary (Continued)

Lot Number: QG30064

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
011	SB-6	Aqueous	Tetrachloroethene	8260B	31000		ug/L	56
012	SB-8	Aqueous	Tetrachloroethene	8260B	110000		ug/L	61
012	SB-8	Aqueous	1,1'-Biphenyl	8270D	10		ug/L	63

(48 detections)

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Volatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Description: **SB-2**
Date Sampled: **07/28/2015 1145**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-001**
Matrix: **Solid**
% Solids: **76.8** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/03/2015 1337	DCS		81351	5.56

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**120**		**23**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.9	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	ug/kg	1
2-Butanone (MEK)	**78-93-3**	**8260B**	**30**		**12**	**ug/kg**	**1**
Carbon disulfide	75-15-0	8260B	ND		5.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.9	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	ug/kg	1
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**8.6**		**5.9**	**ug/kg**	**1**
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.9	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.9	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.9	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	ug/kg	1
Styrene	100-42-5	8260B	ND		5.9	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.9	ug/kg	1
Toluene	108-88-3	8260B	ND		5.9	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.9	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	ug/kg	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
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: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-001**
Description: **SB-2**
Matrix: **Solid**
Date Sampled: **07/28/2015 1145**
% Solids: **76.8** **07/31/2015 0945**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/03/2015 1337	DCS		81351	5.56

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.9	ug/kg	1
Xylenes (total)	**1330-20-7**	**8260B**	**6.8**		**5.9**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	53-142
Bromofluorobenzene		106	47-138
Toluene-d8		105	68-124

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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-001**
Description: **SB-2**
Matrix: **Solid**
Date Sampled: **07/28/2015 1145**
% Solids: **76.8** **07/31/2015 0945**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	08/11/2015 1903	DRB1	07/31/2015 2230	81249

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		430	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		430	ug/kg	1
Acetophenone	98-86-2	8270D	ND		430	ug/kg	1
Anthracene	120-12-7	8270D	ND		430	ug/kg	1
Atrazine	1912-24-9	8270D	ND		430	ug/kg	1
Benzaldehyde	100-52-7	8270D	ND		1100	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		430	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		430	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		430	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		430	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		430	ug/kg	1
1,1'-Biphenyl	92-52-4	8270D	ND		430	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		430	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270D	ND		430	ug/kg	1
Caprolactam	105-60-2	8270D	ND		1100	ug/kg	1
Carbazole	86-74-8	8270D	ND		430	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		430	ug/kg	1
4-Chloroaniline	106-47-8	8270D	ND		430	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		430	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		430	ug/kg	1
bis (2-Chloro-1-methylethyl) ether	108-60-1	8270D	ND		430	ug/kg	1
2-Chloronaphthalene	91-58-7	8270D	ND		430	ug/kg	1
2-Chlorophenol	95-57-8	8270D	ND		430	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		430	ug/kg	1
Chrysene	218-01-9	8270D	ND		430	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270D	ND		430	ug/kg	1
Di-n-octylphthalate	117-84-0	8270D	ND		430	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		430	ug/kg	1
Dibenzofuran	132-64-9	8270D	ND		430	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		1100	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270D	ND		430	ug/kg	1
Diethylphthalate	84-66-2	8270D	ND		430	ug/kg	1
Dimethyl phthalate	131-11-3	8270D	ND		430	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270D	ND		430	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		1100	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270D	ND		1100	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		430	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		430	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		430	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		430	ug/kg	1
Fluorene	86-73-7	8270D	ND		430	ug/kg	1
Hexachlorobenzene	118-74-1	8270D	ND		430	ug/kg	1
Hexachlorobutadiene	87-68-3	8270D	ND		430	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		1100	ug/kg	1

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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-001**
Description: **SB-2**
Matrix: **Solid**
Date Sampled: **07/28/2015 1145**
% Solids: **76.8** **07/31/2015 0945**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	08/11/2015 1903	DRB1	07/31/2015 2230	81249

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		430	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		430	ug/kg	1
Isophorone	78-59-1	8270D	ND		430	ug/kg	1
2-Methylnaphthalene	91-57-6	8270D	ND		430	ug/kg	1
2-Methylphenol	95-48-7	8270D	ND		430	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270D	ND		870	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		430	ug/kg	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		430	ug/kg	1
Naphthalene	91-20-3	8270D	ND		430	ug/kg	1
2-Nitroaniline	88-74-4	8270D	ND		430	ug/kg	1
3-Nitroaniline	99-09-2	8270D	ND		430	ug/kg	1
4-Nitroaniline	100-01-6	8270D	ND		430	ug/kg	1
Nitrobenzene	98-95-3	8270D	ND		430	ug/kg	1
2-Nitrophenol	88-75-5	8270D	ND		430	ug/kg	1
4-Nitrophenol	100-02-7	8270D	ND		1100	ug/kg	1
Pentachlorophenol	87-86-5	8270D	ND		1100	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		430	ug/kg	1
Phenol	108-95-2	8270D	ND		430	ug/kg	1
Pyrene	129-00-0	8270D	ND		430	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		430	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		430	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		99	30-117
2-Fluorobiphenyl		82	33-102
2-Fluorophenol		83	28-104
Nitrobenzene-d5		82	22-109
Phenol-d5		92	27-103
Terphenyl-d14		93	41-120

PQL = Practical quantitation limit
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: **Blue Ridge Environmental Services**
Description: **SB-2**
Date Sampled: **07/28/2015 1145**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-001**
Matrix: **Solid**
% Solids: **76.8** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	7471B	7471B	1	08/10/2015 1602	COH	08/10/2015 1440	81906
1	3050B	6010C	1	08/04/2015 1952	BNW	08/04/2015 0839	81373

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010C**	**2.7**		**0.93**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010C**	**48**		**1.6**	**mg/kg**	**1**
Cadmium	7440-43-9	6010C	ND		0.31	mg/kg	1
Chromium	**7440-47-3**	**6010C**	**21**		**0.62**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010C**	**20**		**0.62**	**mg/kg**	**1**
Mercury	7439-97-6	7471B	ND		0.099	mg/kg	1
Selenium	7782-49-2	6010C	ND		1.2	mg/kg	1
Silver	7440-22-4	6010C	ND		0.62	mg/kg	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
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: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-002**
Description: **SB-4**
Matrix: **Solid**
Date Sampled: **07/28/2015 1600**
% Solids: **85.5** **07/31/2015 0945**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/03/2015 1401	DCS		81351	5.47

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		21	ug/kg	1
Benzene	71-43-2	8260B	ND		5.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.3	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.3	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.3	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.3	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.3	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.3	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.3	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.3	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.3	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.3	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.3	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.3	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.3	ug/kg	1
Styrene	100-42-5	8260B	ND		5.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.3	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.3	ug/kg	1
Toluene	108-88-3	8260B	ND		5.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.3	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.3	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
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: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-002**
Description: **SB-4**
Matrix: **Solid**
Date Sampled: **07/28/2015 1600**
% Solids: **85.5** **07/31/2015 0945**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/03/2015 1401	DCS		81351	5.47

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.3	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.3	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	53-142
Bromofluorobenzene		107	47-138
Toluene-d8		100	68-124

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

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Description: **SB-4**
Date Sampled: **07/28/2015 1600**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-002**
Matrix: **Solid**
% Solids: **85.5** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	08/11/2015 1927	DRB1	07/31/2015 2230	81249

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		390	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		390	ug/kg	1
Acetophenone	98-86-2	8270D	ND		390	ug/kg	1
Anthracene	120-12-7	8270D	ND		390	ug/kg	1
Atrazine	1912-24-9	8270D	ND		390	ug/kg	1
Benzaldehyde	100-52-7	8270D	ND		970	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		390	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		390	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		390	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		390	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		390	ug/kg	1
1,1'-Biphenyl	92-52-4	8270D	ND		390	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		390	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270D	ND		390	ug/kg	1
Caprolactam	105-60-2	8270D	ND		970	ug/kg	1
Carbazole	86-74-8	8270D	ND		390	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		390	ug/kg	1
4-Chloroaniline	106-47-8	8270D	ND		390	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		390	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		390	ug/kg	1
bis (2-Chloro-1-methylethyl) ether	108-60-1	8270D	ND		390	ug/kg	1
2-Chloronaphthalene	91-58-7	8270D	ND		390	ug/kg	1
2-Chlorophenol	95-57-8	8270D	ND		390	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		390	ug/kg	1
Chrysene	218-01-9	8270D	ND		390	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270D	ND		390	ug/kg	1
Di-n-octylphthalate	117-84-0	8270D	ND		390	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		390	ug/kg	1
Dibenzofuran	132-64-9	8270D	ND		390	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		970	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270D	ND		390	ug/kg	1
Diethylphthalate	84-66-2	8270D	ND		390	ug/kg	1
Dimethyl phthalate	131-11-3	8270D	ND		390	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270D	ND		390	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		970	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270D	ND		970	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		390	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		390	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		390	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		390	ug/kg	1
Fluorene	86-73-7	8270D	ND		390	ug/kg	1
Hexachlorobenzene	118-74-1	8270D	ND		390	ug/kg	1
Hexachlorobutadiene	87-68-3	8270D	ND		390	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		970	ug/kg	1

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

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Description: **SB-4**
Date Sampled: **07/28/2015 1600**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-002**
Matrix: **Solid**
% Solids: **85.5** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	08/11/2015 1927	DRB1	07/31/2015 2230	81249

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		390	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		390	ug/kg	1
Isophorone	78-59-1	8270D	ND		390	ug/kg	1
2-Methylnaphthalene	91-57-6	8270D	ND		390	ug/kg	1
2-Methylphenol	95-48-7	8270D	ND		390	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270D	ND		780	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		390	ug/kg	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		390	ug/kg	1
Naphthalene	91-20-3	8270D	ND		390	ug/kg	1
2-Nitroaniline	88-74-4	8270D	ND		390	ug/kg	1
3-Nitroaniline	99-09-2	8270D	ND		390	ug/kg	1
4-Nitroaniline	100-01-6	8270D	ND		390	ug/kg	1
Nitrobenzene	98-95-3	8270D	ND		390	ug/kg	1
2-Nitrophenol	88-75-5	8270D	ND		390	ug/kg	1
4-Nitrophenol	100-02-7	8270D	ND		970	ug/kg	1
Pentachlorophenol	87-86-5	8270D	ND		970	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		390	ug/kg	1
Phenol	108-95-2	8270D	ND		390	ug/kg	1
Pyrene	129-00-0	8270D	ND		390	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		390	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		390	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		83	30-117
2-Fluorobiphenyl		75	33-102
2-Fluorophenol		75	28-104
Nitrobenzene-d5		71	22-109
Phenol-d5		82	27-103
Terphenyl-d14		84	41-120

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

RCRA Metals

Client: **Blue Ridge Environmental Services**
Description: **SB-4**
Date Sampled: **07/28/2015 1600**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-002**
Matrix: **Solid**
% Solids: **85.5** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	7471B	7471B	1	08/10/2015 1605	COH	08/10/2015 1440	81906
1	3050B	6010C	1	08/04/2015 1956	BNW	08/04/2015 0839	81373

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010C**	**2.0**		**0.87**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010C**	**29**		**1.5**	**mg/kg**	**1**
Cadmium	7440-43-9	6010C	ND		0.29	mg/kg	1
Chromium	**7440-47-3**	**6010C**	**1.4**		**0.58**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010C**	**9.7**		**0.58**	**mg/kg**	**1**
Mercury	7439-97-6	7471B	ND		0.094	mg/kg	1
Selenium	7782-49-2	6010C	ND		1.2	mg/kg	1
Silver	7440-22-4	6010C	ND		0.58	mg/kg	1

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Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Volatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Description: **SB-7**
Date Sampled: **07/29/2015 1205**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-003**
Matrix: **Solid**
% Solids: **83.4** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/03/2015 1425	DCS		81351	5.99

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/kg	1
Benzene	71-43-2	8260B	ND		5.0	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.0	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/kg	1
Styrene	100-42-5	8260B	ND		5.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	ug/kg	1
Toluene	108-88-3	8260B	ND		5.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	ug/kg	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
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Description: **SB-7**
Date Sampled: **07/29/2015 1205**
Date Received: **07/30/2015**

Matrix: **Solid**
% Solids: **83.4** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/03/2015 1425	DCS		81351	5.99

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	53-142
Bromofluorobenzene		109	47-138
Toluene-d8		103	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
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Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-003**
Description: **SB-7**
Matrix: **Solid**
Date Sampled: **07/29/2015 1205**
% Solids: **83.4** **07/31/2015 0945**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	08/11/2015 1952	DRB1	07/31/2015 2230	81249

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		400	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		400	ug/kg	1
Acetophenone	98-86-2	8270D	ND		400	ug/kg	1
Anthracene	120-12-7	8270D	ND		400	ug/kg	1
Atrazine	1912-24-9	8270D	ND		400	ug/kg	1
Benzaldehyde	100-52-7	8270D	ND		990	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		400	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		400	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		400	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		400	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		400	ug/kg	1
1,1'-Biphenyl	92-52-4	8270D	ND		400	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		400	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270D	ND		400	ug/kg	1
Caprolactam	105-60-2	8270D	ND		990	ug/kg	1
Carbazole	86-74-8	8270D	ND		400	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		400	ug/kg	1
4-Chloroaniline	106-47-8	8270D	ND		400	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		400	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		400	ug/kg	1
bis (2-Chloro-1-methylethyl) ether	108-60-1	8270D	ND		400	ug/kg	1
2-Chloronaphthalene	91-58-7	8270D	ND		400	ug/kg	1
2-Chlorophenol	95-57-8	8270D	ND		400	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		400	ug/kg	1
Chrysene	218-01-9	8270D	ND		400	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270D	ND		400	ug/kg	1
Di-n-octylphthalate	117-84-0	8270D	ND		400	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		400	ug/kg	1
Dibenzofuran	132-64-9	8270D	ND		400	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		990	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270D	ND		400	ug/kg	1
Diethylphthalate	84-66-2	8270D	ND		400	ug/kg	1
Dimethyl phthalate	131-11-3	8270D	ND		400	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270D	ND		400	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		990	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270D	ND		990	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		400	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		400	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		400	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		400	ug/kg	1
Fluorene	86-73-7	8270D	ND		400	ug/kg	1
Hexachlorobenzene	118-74-1	8270D	ND		400	ug/kg	1
Hexachlorobutadiene	87-68-3	8270D	ND		400	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		990	ug/kg	1

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Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Description: **SB-7**
Date Sampled: **07/29/2015 1205**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-003**
Matrix: **Solid**
% Solids: **83.4** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	08/11/2015 1952	DRB1	07/31/2015 2230	81249

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		400	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		400	ug/kg	1
Isophorone	78-59-1	8270D	ND		400	ug/kg	1
2-Methylnaphthalene	91-57-6	8270D	ND		400	ug/kg	1
2-Methylphenol	95-48-7	8270D	ND		400	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270D	ND		800	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		400	ug/kg	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		400	ug/kg	1
Naphthalene	91-20-3	8270D	ND		400	ug/kg	1
2-Nitroaniline	88-74-4	8270D	ND		400	ug/kg	1
3-Nitroaniline	99-09-2	8270D	ND		400	ug/kg	1
4-Nitroaniline	100-01-6	8270D	ND		400	ug/kg	1
Nitrobenzene	98-95-3	8270D	ND		400	ug/kg	1
2-Nitrophenol	88-75-5	8270D	ND		400	ug/kg	1
4-Nitrophenol	100-02-7	8270D	ND		990	ug/kg	1
Pentachlorophenol	87-86-5	8270D	ND		990	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		400	ug/kg	1
Phenol	108-95-2	8270D	ND		400	ug/kg	1
Pyrene	129-00-0	8270D	ND		400	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		400	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		400	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		87	30-117
2-Fluorobiphenyl		79	33-102
2-Fluorophenol		82	28-104
Nitrobenzene-d5		77	22-109
Phenol-d5		87	27-103
Terphenyl-d14		92	41-120

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

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

RCRA Metals

Client: **Blue Ridge Environmental Services**
Description: **SB-7**
Date Sampled: **07/29/2015 1205**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-003**
Matrix: **Solid**
% Solids: **83.4** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	7471B	7471B	1	08/10/2015 1607	COH	08/10/2015 1440	81906
1	3050B	6010C	1	08/04/2015 2000	BNW	08/04/2015 0839	81373

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010C**	**2.4**		**0.87**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010C**	**18**		**1.5**	**mg/kg**	**1**
Cadmium	7440-43-9	6010C	ND		0.29	mg/kg	1
Chromium	**7440-47-3**	**6010C**	**1.2**		**0.58**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010C**	**30**		**0.58**	**mg/kg**	**1**
Mercury	7439-97-6	7471B	ND		0.096	mg/kg	1
Selenium	7782-49-2	6010C	ND		1.2	mg/kg	1
Silver	7440-22-4	6010C	ND		0.58	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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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
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: **Blue Ridge Environmental Services**
Description: **SB-8**
Date Sampled: **07/29/2015 1210**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-004**
Matrix: **Solid**
% Solids: **86.2** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/03/2015 1448	DCS		81351	6.80

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		17	ug/kg	1
Benzene	71-43-2	8260B	ND		4.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.3	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.3	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.3	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.3	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.3	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.3	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.3	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.3	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.3	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.3	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.3	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.3	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.3	ug/kg	1
Styrene	100-42-5	8260B	ND		4.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.3	ug/kg	1
Tetrachloroethene	**127-18-4**	**8260B**	**29**		**4.3**	**ug/kg**	**1**
Toluene	108-88-3	8260B	ND		4.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.3	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.3	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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Volatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Description: **SB-8**
Date Sampled: **07/29/2015 1210**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-004**
Matrix: **Solid**
% Solids: **86.2** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/03/2015 1448	DCS		81351	6.80

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		4.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.3	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.3	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	53-142
Bromofluorobenzene		111	47-138
Toluene-d8		105	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-004**
Description: **SB-8**
Matrix: **Solid**
Date Sampled: **07/29/2015 1210**
% Solids: **86.2** **07/31/2015 0945**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	08/11/2015 2017	DRB1	07/31/2015 2230	81249

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		380	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		380	ug/kg	1
Acetophenone	98-86-2	8270D	ND		380	ug/kg	1
Anthracene	120-12-7	8270D	ND		380	ug/kg	1
Atrazine	1912-24-9	8270D	ND		380	ug/kg	1
Benzaldehyde	100-52-7	8270D	ND		960	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		380	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		380	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		380	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		380	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		380	ug/kg	1
1,1'-Biphenyl	92-52-4	8270D	ND		380	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		380	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270D	ND		380	ug/kg	1
Caprolactam	105-60-2	8270D	ND		960	ug/kg	1
Carbazole	86-74-8	8270D	ND		380	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		380	ug/kg	1
4-Chloroaniline	106-47-8	8270D	ND		380	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		380	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		380	ug/kg	1
bis (2-Chloro-1-methylethyl) ether	108-60-1	8270D	ND		380	ug/kg	1
2-Chloronaphthalene	91-58-7	8270D	ND		380	ug/kg	1
2-Chlorophenol	95-57-8	8270D	ND		380	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		380	ug/kg	1
Chrysene	218-01-9	8270D	ND		380	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270D	ND		380	ug/kg	1
Di-n-octylphthalate	117-84-0	8270D	ND		380	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		380	ug/kg	1
Dibenzofuran	132-64-9	8270D	ND		380	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		960	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270D	ND		380	ug/kg	1
Diethylphthalate	84-66-2	8270D	ND		380	ug/kg	1
Dimethyl phthalate	131-11-3	8270D	ND		380	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270D	ND		380	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		960	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270D	ND		960	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		380	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		380	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		380	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		380	ug/kg	1
Fluorene	86-73-7	8270D	ND		380	ug/kg	1
Hexachlorobenzene	118-74-1	8270D	ND		380	ug/kg	1
Hexachlorobutadiene	87-68-3	8270D	ND		380	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		960	ug/kg	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
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Description: **SB-8**
Date Sampled: **07/29/2015 1210**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-004**
Matrix: **Solid**
% Solids: **86.2** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	08/11/2015 2017	DRB1	07/31/2015 2230	81249

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		380	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		380	ug/kg	1
Isophorone	78-59-1	8270D	ND		380	ug/kg	1
2-Methylnaphthalene	91-57-6	8270D	ND		380	ug/kg	1
2-Methylphenol	95-48-7	8270D	ND		380	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270D	ND		780	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		380	ug/kg	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		380	ug/kg	1
Naphthalene	91-20-3	8270D	ND		380	ug/kg	1
2-Nitroaniline	88-74-4	8270D	ND		380	ug/kg	1
3-Nitroaniline	99-09-2	8270D	ND		380	ug/kg	1
4-Nitroaniline	100-01-6	8270D	ND		380	ug/kg	1
Nitrobenzene	98-95-3	8270D	ND		380	ug/kg	1
2-Nitrophenol	88-75-5	8270D	ND		380	ug/kg	1
4-Nitrophenol	100-02-7	8270D	ND		960	ug/kg	1
Pentachlorophenol	87-86-5	8270D	ND		960	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		380	ug/kg	1
Phenol	108-95-2	8270D	ND		380	ug/kg	1
Pyrene	129-00-0	8270D	ND		380	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		380	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		380	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		83	30-117
2-Fluorobiphenyl		65	33-102
2-Fluorophenol		65	28-104
Nitrobenzene-d5		63	22-109
Phenol-d5		72	27-103
Terphenyl-d14		88	41-120

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

RCRA Metals

Client: **Blue Ridge Environmental Services**
Description: **SB-8**
Date Sampled: **07/29/2015 1210**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-004**
Matrix: **Solid**
% Solids: **86.2** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	7471B	7471B	1	08/10/2015 1609	COH	08/10/2015 1440	81906
1	3050B	6010C	1	08/04/2015 2004	BNW	08/04/2015 0839	81373

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010C**	**1.0**		**0.80**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010C**	**8.3**		**1.4**	**mg/kg**	**1**
Cadmium	7440-43-9	6010C	ND		0.27	mg/kg	1
Chromium	**7440-47-3**	**6010C**	**52**		**0.53**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010C**	**19**		**0.53**	**mg/kg**	**1**
Mercury	7439-97-6	7471B	ND		0.095	mg/kg	1
Selenium	7782-49-2	6010C	ND		1.1	mg/kg	1
Silver	7440-22-4	6010C	ND		0.53	mg/kg	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
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: **Blue Ridge Environmental Services**
Description: **SB-9**
Date Sampled: **07/29/2015 1215**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-005**
Matrix: **Solid**
% Solids: **85.7** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/03/2015 1512	DCS		81351	5.95

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/kg	1
Benzene	71-43-2	8260B	ND		4.9	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.9	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.9	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.9	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.9	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.9	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.9	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.9	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.9	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.9	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.9	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.9	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.9	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.9	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.9	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.9	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.9	ug/kg	1
Styrene	100-42-5	8260B	ND		4.9	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.9	ug/kg	1
Tetrachloroethene	**127-18-4**	**8260B**	**15**		**4.9**	**ug/kg**	**1**
Toluene	108-88-3	8260B	ND		4.9	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.9	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.9	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.9	ug/kg	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
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: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-005**
Description: **SB-9**
Matrix: **Solid**
Date Sampled: **07/29/2015 1215**
% Solids: **85.7** **07/31/2015 0945**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	08/03/2015 1512	DCS		81351	5.95

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		4.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		4.9	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	53-142
Bromofluorobenzene		110	47-138
Toluene-d8		105	68-124

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

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Description: **SB-9**
Date Sampled: **07/29/2015 1215**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-005**
Matrix: **Solid**
% Solids: **85.7** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	08/11/2015 2041	DRB1	07/31/2015 2230	81249

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		380	ug/kg	1
Acenaphthylene	208-96-8	8270D	ND		380	ug/kg	1
Acetophenone	98-86-2	8270D	ND		380	ug/kg	1
Anthracene	120-12-7	8270D	ND		380	ug/kg	1
Atrazine	1912-24-9	8270D	ND		380	ug/kg	1
Benzaldehyde	100-52-7	8270D	ND		970	ug/kg	1
Benzo(a)anthracene	56-55-3	8270D	ND		380	ug/kg	1
Benzo(a)pyrene	50-32-8	8270D	ND		380	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		380	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		380	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		380	ug/kg	1
1,1'-Biphenyl	92-52-4	8270D	ND		380	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		380	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270D	ND		380	ug/kg	1
Caprolactam	105-60-2	8270D	ND		970	ug/kg	1
Carbazole	86-74-8	8270D	ND		380	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		380	ug/kg	1
4-Chloroaniline	106-47-8	8270D	ND		380	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		380	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		380	ug/kg	1
bis (2-Chloro-1-methylethyl) ether	108-60-1	8270D	ND		380	ug/kg	1
2-Chloronaphthalene	91-58-7	8270D	ND		380	ug/kg	1
2-Chlorophenol	95-57-8	8270D	ND		380	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		380	ug/kg	1
Chrysene	218-01-9	8270D	ND		380	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270D	ND		380	ug/kg	1
Di-n-octylphthalate	117-84-0	8270D	ND		380	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		380	ug/kg	1
Dibenzofuran	132-64-9	8270D	ND		380	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		970	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270D	ND		380	ug/kg	1
Diethylphthalate	84-66-2	8270D	ND		380	ug/kg	1
Dimethyl phthalate	131-11-3	8270D	ND		380	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270D	ND		380	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		970	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270D	ND		970	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		380	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		380	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		380	ug/kg	1
Fluoranthene	206-44-0	8270D	ND		380	ug/kg	1
Fluorene	86-73-7	8270D	ND		380	ug/kg	1
Hexachlorobenzene	118-74-1	8270D	ND		380	ug/kg	1
Hexachlorobutadiene	87-68-3	8270D	ND		380	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		970	ug/kg	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
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Description: **SB-9**
Date Sampled: **07/29/2015 1215**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-005**
Matrix: **Solid**
% Solids: **85.7** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550C	8270D	1	08/11/2015 2041	DRB1	07/31/2015 2230	81249

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		380	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		380	ug/kg	1
Isophorone	78-59-1	8270D	ND		380	ug/kg	1
2-Methylnaphthalene	91-57-6	8270D	ND		380	ug/kg	1
2-Methylphenol	95-48-7	8270D	ND		380	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270D	ND		780	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		380	ug/kg	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		380	ug/kg	1
Naphthalene	91-20-3	8270D	ND		380	ug/kg	1
2-Nitroaniline	88-74-4	8270D	ND		380	ug/kg	1
3-Nitroaniline	99-09-2	8270D	ND		380	ug/kg	1
4-Nitroaniline	100-01-6	8270D	ND		380	ug/kg	1
Nitrobenzene	98-95-3	8270D	ND		380	ug/kg	1
2-Nitrophenol	88-75-5	8270D	ND		380	ug/kg	1
4-Nitrophenol	100-02-7	8270D	ND		970	ug/kg	1
Pentachlorophenol	87-86-5	8270D	ND		970	ug/kg	1
Phenanthrene	85-01-8	8270D	ND		380	ug/kg	1
Phenol	108-95-2	8270D	ND		380	ug/kg	1
Pyrene	129-00-0	8270D	ND		380	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		380	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		380	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		87	30-117
2-Fluorobiphenyl		79	33-102
2-Fluorophenol		80	28-104
Nitrobenzene-d5		76	22-109
Phenol-d5		88	27-103
Terphenyl-d14		88	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
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H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: **Blue Ridge Environmental Services**
Description: **SB-9**
Date Sampled: **07/29/2015 1215**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-005**
Matrix: **Solid**
% Solids: **85.7** **07/31/2015 0945**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	7471B	7471B	1	08/10/2015 1612	COH	08/10/2015 1440	81906
1	3050B	6010C	1	08/04/2015 2009	BNW	08/04/2015 0839	81373

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	**7440-38-2**	**6010C**	**1.7**		**0.86**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010C**	**13**		**1.5**	**mg/kg**	**1**
Cadmium	7440-43-9	6010C	ND		0.29	mg/kg	1
Chromium	**7440-47-3**	**6010C**	**20**		**0.57**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010C**	**26**		**0.57**	**mg/kg**	**1**
Mercury	7439-97-6	7471B	ND		0.086	mg/kg	1
Selenium	7782-49-2	6010C	ND		1.1	mg/kg	1
Silver	7440-22-4	6010C	ND		0.57	mg/kg	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
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: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-006**
Description: **SB-1**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1136**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/06/2015 0350	JJG		81617

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	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
Cyclohexane	110-82-7	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
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	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
Isopropylbenzene	98-82-8	8260B	ND		1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	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
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
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: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-006**
Description: **SB-1**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1136**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/06/2015 0350	JJG		81617

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	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		89	70-130
Toluene-d8		100	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
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Description: **SB-1**
Date Sampled: **07/28/2015 1136**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-006**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0022	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		5.0	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		5.0	ug/L	1
Acetophenone	98-86-2	8270D	ND		5.0	ug/L	1
Anthracene	120-12-7	8270D	ND		5.0	ug/L	1
Atrazine	1912-24-9	8270D	ND		5.0	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		25	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		5.0	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		5.0	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		5.0	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		5.0	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		5.0	ug/L	1
1,1'-Biphenyl	92-52-4	8270D	ND		5.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		5.0	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		10	ug/L	1
Caprolactam	105-60-2	8270D	ND		25	ug/L	1
Carbazole	86-74-8	8270D	ND		5.0	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		5.0	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		5.0	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		5.0	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		5.0	ug/L	1
bis (2-Chloro-1-methylethyl) ether	108-60-1	8270D	ND		5.0	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		5.0	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		5.0	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		5.0	ug/L	1
Chrysene	218-01-9	8270D	ND		5.0	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		5.0	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		5.0	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		25	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		5.0	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.0	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.0	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		5.0	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		25	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		25	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		10	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		10	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	ug/L	1
Fluoranthene	206-44-0	8270D	ND		5.0	ug/L	1
Fluorene	86-73-7	8270D	ND		5.0	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		5.0	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		5.0	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		25	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
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-006**
Description: **SB-1**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1136**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0022	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		5.0	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		5.0	ug/L	1
Isophorone	78-59-1	8270D	ND		5.0	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		5.0	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		5.0	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		10	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		5.0	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		5.0	ug/L	1
Naphthalene	91-20-3	8270D	ND		5.0	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		10	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		10	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		10	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		5.0	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		10	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		25	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		25	ug/L	1
Phenanthrene	85-01-8	8270D	ND		5.0	ug/L	1
Phenol	108-95-2	8270D	ND		5.0	ug/L	1
Pyrene	129-00-0	8270D	ND		5.0	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		5.0	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		89	41-144
2-Fluorobiphenyl		94	37-129
2-Fluorophenol		84	24-127
Nitrobenzene-d5		89	38-127
Phenol-d5		91	28-128
Terphenyl-d14		94	10-148

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

RCRA Metals

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-006**
Description: **SB-1**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1136**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	08/04/2015 1628	COH	08/03/2015 1507	81318
1	3005A	6010C	1	08/03/2015 2359	BNW	08/03/2015 1447	81315

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.015	mg/L	1
Barium	**7440-39-3**	**6010C**	**0.035**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010C	ND		0.0050	mg/L	1
Chromium	7440-47-3	6010C	ND		0.010	mg/L	1
Lead	**7439-92-1**	**6010C**	**0.028**		**0.010**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010C	ND		0.020	mg/L	1
Silver	7440-22-4	6010C	ND		0.010	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
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: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-007**
Description: **SB-2**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1150**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	08/08/2015 0327	JJG		81847

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	2
Benzene	71-43-2	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
Cyclohexane	110-82-7	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
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	2
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	2
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	2
trans-1,2-Dichloroethene	**156-60-5**	**8260B**	**2.7**		**1.0**	**ug/L**	**2**
cis-1,2-Dichloroethene	**156-59-2**	**8260B**	**74**		**1.0**	**ug/L**	**2**
1,1-Dichloroethene	**75-35-4**	**8260B**	**2.9**		**1.0**	**ug/L**	**2**
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	2
cis-1,3-Dichloropropene	10061-01-5	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
Isopropylbenzene	98-82-8	8260B	ND		1.0	ug/L	2
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	ug/L	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	2
Methylcyclohexane	108-87-2	8260B	ND		5.0	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
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	2
Tetrachloroethene	**127-18-4**	**8260B**	**23**		**1.0**	**ug/L**	**2**
Toluene	108-88-3	8260B	ND		1.0	ug/L	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		1.0	ug/L	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	2

PQL = Practical quantitation limit
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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
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: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-007**
Description: **SB-2**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1150**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	08/08/2015 0327	JJG		81847

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**18**		**1.0**	**ug/L**	**2**
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	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		90	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		99	70-130

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Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-007**
Description: **SB-2**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1150**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0046	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		5.0	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		5.0	ug/L	1
Acetophenone	98-86-2	8270D	ND		5.0	ug/L	1
Anthracene	120-12-7	8270D	ND		5.0	ug/L	1
Atrazine	1912-24-9	8270D	ND		5.0	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		25	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		5.0	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		5.0	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		5.0	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		5.0	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		5.0	ug/L	1
1,1'-Biphenyl	92-52-4	8270D	ND		5.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		5.0	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		10	ug/L	1
Caprolactam	105-60-2	8270D	ND		25	ug/L	1
Carbazole	86-74-8	8270D	ND		5.0	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		5.0	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		5.0	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		5.0	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		5.0	ug/L	1
bis (2-Chloro-1-methylethyl) ether	108-60-1	8270D	ND		5.0	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		5.0	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		5.0	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		5.0	ug/L	1
Chrysene	218-01-9	8270D	ND		5.0	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		5.0	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		5.0	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		25	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		5.0	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.0	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.0	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		5.0	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		25	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		25	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		10	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		10	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	ug/L	1
Fluoranthene	206-44-0	8270D	ND		5.0	ug/L	1
Fluorene	86-73-7	8270D	ND		5.0	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		5.0	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		5.0	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		25	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
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-007**
Description: **SB-2**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1150**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0046	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		5.0	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		5.0	ug/L	1
Isophorone	78-59-1	8270D	ND		5.0	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		5.0	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		5.0	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		10	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		5.0	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		5.0	ug/L	1
Naphthalene	91-20-3	8270D	ND		5.0	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		10	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		10	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		10	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		5.0	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		10	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		25	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		25	ug/L	1
Phenanthrene	85-01-8	8270D	ND		5.0	ug/L	1
Phenol	108-95-2	8270D	ND		5.0	ug/L	1
Pyrene	129-00-0	8270D	ND		5.0	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		5.0	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		96	41-144
2-Fluorobiphenyl		95	37-129
2-Fluorophenol		82	24-127
Nitrobenzene-d5		90	38-127
Phenol-d5		88	28-128
Terphenyl-d14		65	10-148

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

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RCRA Metals

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-007**
Description: **SB-2**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1150**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	08/04/2015 1638	COH	08/03/2015 1507	81318
1	3005A	6010C	1	08/04/2015 0003	BNW	08/03/2015 1447	81315

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.015	mg/L	1
Barium	**7440-39-3**	**6010C**	**0.046**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010C	ND		0.0050	mg/L	1
Chromium	7440-47-3	6010C	ND		0.010	mg/L	1
Lead	**7439-92-1**	**6010C**	**0.019**		**0.010**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010C	ND		0.020	mg/L	1
Silver	7440-22-4	6010C	ND		0.010	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
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: **Blue Ridge Environmental Services**
Description: **SB-3**
Date Sampled: **07/28/2015 1507**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	2000	08/06/2015 1744	SES		81663

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		40000	ug/L	1
Benzene	71-43-2	8260B	ND		2000	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		2000	ug/L	1
Bromoform	75-25-2	8260B	ND		2000	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4000	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		20000	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		2000	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		2000	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2000	ug/L	1
Chloroethane	75-00-3	8260B	ND		4000	ug/L	1
Chloroform	67-66-3	8260B	ND		2000	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2000	ug/L	1
Cyclohexane	110-82-7	8260B	ND		2000	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2000	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		2000	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2000	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2000	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2000	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2000	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4000	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		2000	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		2000	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2000	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2000	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		2000	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		2000	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2000	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2000	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		2000	ug/L	1
2-Hexanone	591-78-6	8260B	ND		20000	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		2000	ug/L	1
Methyl acetate	79-20-9	8260B	ND		2000	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2000	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		20000	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		10000	ug/L	1
Methylene chloride	75-09-2	8260B	ND		2000	ug/L	1
Styrene	100-42-5	8260B	ND		2000	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2000	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**7500**		**2000**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		2000	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2000	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2000	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2000	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2000	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
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Volatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-008**
Description: **SB-3**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1507**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	2000	08/06/2015 1744	SES		81663

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		2000	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		2000	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2000	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		2000	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		93	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
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services** | Laboratory ID: **QG30064-008**

Description: **SB-3** | Matrix: **Aqueous**

Date Sampled: **07/28/2015 1507**

Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0111	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		5.0	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		5.0	ug/L	1
Acetophenone	98-86-2	8270D	ND		5.0	ug/L	1
Anthracene	120-12-7	8270D	ND		5.0	ug/L	1
Atrazine	1912-24-9	8270D	ND		5.0	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		25	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		5.0	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		5.0	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		5.0	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		5.0	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		5.0	ug/L	1
1,1'-Biphenyl	92-52-4	8270D	ND		5.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		5.0	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		10	ug/L	1
Caprolactam	105-60-2	8270D	ND		25	ug/L	1
Carbazole	86-74-8	8270D	ND		5.0	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		5.0	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		5.0	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		5.0	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		5.0	ug/L	1
bis (2-Chloro-1-methylethyl) ether	108-60-1	8270D	ND		5.0	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		5.0	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		5.0	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		5.0	ug/L	1
Chrysene	218-01-9	8270D	ND		5.0	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		5.0	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		5.0	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		25	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		5.0	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.0	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.0	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		5.0	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		25	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		25	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		10	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		10	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	ug/L	1
Fluoranthene	206-44-0	8270D	ND		5.0	ug/L	1
Fluorene	86-73-7	8270D	ND		5.0	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		5.0	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		5.0	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		25	ug/L	1

PQL = Practical quantitation limit | B = Detected in the method blank | E = Quantitation of compound exceeded the calibration range | H = Out of holding time

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

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

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-008**
Description: **SB-3**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1507**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0111	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		5.0	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		5.0	ug/L	1
Isophorone	78-59-1	8270D	ND		5.0	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		5.0	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		5.0	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		10	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		5.0	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		5.0	ug/L	1
Naphthalene	91-20-3	8270D	ND		5.0	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		10	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		10	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		10	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		5.0	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		10	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		25	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		25	ug/L	1
Phenanthrene	85-01-8	8270D	ND		5.0	ug/L	1
Phenol	108-95-2	8270D	ND		5.0	ug/L	1
Pyrene	129-00-0	8270D	ND		5.0	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		5.0	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		87	41-144
2-Fluorobiphenyl		94	37-129
2-Fluorophenol		84	24-127
Nitrobenzene-d5		88	38-127
Phenol-d5		88	28-128
Terphenyl-d14		79	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

RCRA Metals

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-008**
Description: **SB-3**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1507**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	08/04/2015 1641	COH	08/03/2015 1507	81318
1	3005A	6010C	1	08/04/2015 0008	BNW	08/03/2015 1447	81315

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.015	mg/L	1
Barium	**7440-39-3**	**6010C**	**0.030**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010C	ND		0.0050	mg/L	1
Chromium	**7440-47-3**	**6010C**	**0.011**		**0.010**	**mg/L**	**1**
Lead	**7439-92-1**	**6010C**	**0.017**		**0.010**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010C	ND		0.020	mg/L	1
Silver	7440-22-4	6010C	ND		0.010	mg/L	1

PQL = Practical quantitation limit
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N = Recovery is out of criteria
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: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-009**
Description: **SB-4**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1612**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	08/06/2015 1655	SES		81663
2	5030B	8260B	1000	08/08/2015 0502	JJG		81847

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		4000	ug/L	1
Benzene	71-43-2	8260B	ND		200	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		200	ug/L	1
Bromoform	75-25-2	8260B	ND		200	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		400	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		2000	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		200	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		200	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		200	ug/L	1
Chloroethane	75-00-3	8260B	ND		400	ug/L	1
Chloroform	67-66-3	8260B	ND		200	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		200	ug/L	1
Cyclohexane	110-82-7	8260B	ND		200	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		200	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		200	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		200	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		200	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		200	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		200	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		400	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		200	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		200	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		200	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		200	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		200	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		200	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		200	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		200	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		200	ug/L	1
2-Hexanone	591-78-6	8260B	ND		2000	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		200	ug/L	1
Methyl acetate	79-20-9	8260B	ND		200	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		200	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		2000	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		1000	ug/L	1
Methylene chloride	75-09-2	8260B	ND		200	ug/L	1
Styrene	100-42-5	8260B	ND		200	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		200	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**100000**		**1000**	**ug/L**	**2**
Toluene	108-88-3	8260B	ND		200	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		200	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		200	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		200	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
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: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-009**
Description: **SB-4**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1612**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	08/06/2015 1655	SES		81663
2	5030B	8260B	1000	08/08/2015 0502	JJG		81847

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1-Trichloroethane	71-55-6	8260B	ND		200	ug/L	1
Trichloroethene	**79-01-6**	**8260B**	**290**		**200**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		200	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		200	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		200	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130		91	70-130
Bromofluorobenzene		98	70-130		90	70-130
Toluene-d8		93	70-130		99	70-130

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

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-009**
Description: **SB-4**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1612**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0135	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		5.0	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		5.0	ug/L	1
Acetophenone	98-86-2	8270D	ND		5.0	ug/L	1
Anthracene	120-12-7	8270D	ND		5.0	ug/L	1
Atrazine	1912-24-9	8270D	ND		5.0	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		25	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		5.0	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		5.0	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		5.0	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		5.0	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		5.0	ug/L	1
1,1'-Biphenyl	92-52-4	8270D	ND		5.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		5.0	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		10	ug/L	1
Caprolactam	105-60-2	8270D	ND		25	ug/L	1
Carbazole	86-74-8	8270D	ND		5.0	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		5.0	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		5.0	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		5.0	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		5.0	ug/L	1
bis (2-Chloro-1-methylethyl) ether	108-60-1	8270D	ND		5.0	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		5.0	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		5.0	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		5.0	ug/L	1
Chrysene	218-01-9	8270D	ND		5.0	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		5.0	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		5.0	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		25	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		5.0	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.0	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.0	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		5.0	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		25	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		25	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		10	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		10	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	ug/L	1
Fluoranthene	206-44-0	8270D	ND		5.0	ug/L	1
Fluorene	86-73-7	8270D	ND		5.0	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		5.0	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		5.0	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		25	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
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-009**
Description: **SB-4**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1612**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0135	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		5.0	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		5.0	ug/L	1
Isophorone	78-59-1	8270D	ND		5.0	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		5.0	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		5.0	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		10	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		5.0	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		5.0	ug/L	1
Naphthalene	91-20-3	8270D	ND		5.0	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		10	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		10	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		10	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		5.0	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		10	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		25	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		25	ug/L	1
Phenanthrene	85-01-8	8270D	ND		5.0	ug/L	1
Phenol	108-95-2	8270D	ND		5.0	ug/L	1
Pyrene	129-00-0	8270D	ND		5.0	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		5.0	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		101	41-144
2-Fluorobiphenyl		83	37-129
2-Fluorophenol		80	24-127
Nitrobenzene-d5		90	38-127
Phenol-d5		83	28-128
Terphenyl-d14		78	10-148

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

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services** | Laboratory ID: **QG30064-009**
Description: **SB-4** | Matrix: **Aqueous**
Date Sampled: **07/28/2015 1612**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0135	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		5.0	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		5.0	ug/L	1
Isophorone	78-59-1	8270D	ND		5.0	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		5.0	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		5.0	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		10	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		5.0	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		5.0	ug/L	1
Naphthalene	91-20-3	8270D	ND		5.0	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		10	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		10	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		10	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		5.0	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		10	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		25	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		25	ug/L	1
Phenanthrene	85-01-8	8270D	ND		5.0	ug/L	1
Phenol	108-95-2	8270D	ND		5.0	ug/L	1
Pyrene	129-00-0	8270D	ND		5.0	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		5.0	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		101	41-144
2-Fluorobiphenyl		83	37-129
2-Fluorophenol		80	24-127
Nitrobenzene-d5		90	38-127
Phenol-d5		83	28-128
Terphenyl-d14		78	10-148

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

RCRA Metals

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-009**
Description: **SB-4**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1612**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	08/04/2015 1643	COH	08/03/2015 1507	81318
1	3005A	6010C	1	08/04/2015 0012	BNW	08/03/2015 1447	81315

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.015	mg/L	1
Barium	**7440-39-3**	**6010C**	**0.059**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010C	ND		0.0050	mg/L	1
Chromium	7440-47-3	6010C	ND		0.010	mg/L	1
Lead	**7439-92-1**	**6010C**	**0.024**		**0.010**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010C	ND		0.020	mg/L	1
Silver	7440-22-4	6010C	ND		0.010	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
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: **Blue Ridge Environmental Services**
Description: **SB-5**
Date Sampled: **07/28/2015 1600**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-010**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	500	08/06/2015 1720	SES		81663

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10000	ug/L	1
Benzene	71-43-2	8260B	ND		500	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		500	ug/L	1
Bromoform	75-25-2	8260B	ND		500	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1000	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		5000	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		500	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		500	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		500	ug/L	1
Chloroethane	75-00-3	8260B	ND		1000	ug/L	1
Chloroform	67-66-3	8260B	ND		500	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		500	ug/L	1
Cyclohexane	110-82-7	8260B	ND		500	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		500	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		500	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		500	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		500	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		500	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		500	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1000	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		500	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		500	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		500	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		500	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		500	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		500	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		500	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		500	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		500	ug/L	1
2-Hexanone	591-78-6	8260B	ND		5000	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		500	ug/L	1
Methyl acetate	79-20-9	8260B	ND		500	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		500	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5000	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		2500	ug/L	1
Methylene chloride	75-09-2	8260B	ND		500	ug/L	1
Styrene	100-42-5	8260B	ND		500	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		500	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**9200**		**500**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		500	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		500	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		500	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		500	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		500	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
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Volatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-010**
Description: **SB-5**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1600**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	500	08/06/2015 1720	SES		81663

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		500	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		500	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		500	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		500	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	70-130
Bromofluorobenzene		97	70-130
Toluene-d8		92	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
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services** | Laboratory ID: **QG30064-010**
Description: **SB-5** | Matrix: **Aqueous**
Date Sampled: **07/28/2015 1600**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0159	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		5.0	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		5.0	ug/L	1
Acetophenone	98-86-2	8270D	ND		5.0	ug/L	1
Anthracene	120-12-7	8270D	ND		5.0	ug/L	1
Atrazine	1912-24-9	8270D	ND		5.0	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		25	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		5.0	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		5.0	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		5.0	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		5.0	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		5.0	ug/L	1
1,1'-Biphenyl	92-52-4	8270D	ND		5.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		5.0	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		10	ug/L	1
Caprolactam	105-60-2	8270D	ND		25	ug/L	1
Carbazole	86-74-8	8270D	ND		5.0	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		5.0	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		5.0	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		5.0	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		5.0	ug/L	1
bis (2-Chloro-1-methylethyl) ether	108-60-1	8270D	ND		5.0	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		5.0	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		5.0	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		5.0	ug/L	1
Chrysene	218-01-9	8270D	ND		5.0	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		5.0	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		5.0	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		25	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		5.0	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.0	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.0	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		5.0	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		25	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		25	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		10	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		10	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	ug/L	1
Fluoranthene	206-44-0	8270D	ND		5.0	ug/L	1
Fluorene	86-73-7	8270D	ND		5.0	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		5.0	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		5.0	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		25	ug/L	1

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

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-010**
Description: **SB-5**
Matrix: **Aqueous**
Date Sampled: **07/28/2015 1600**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0159	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		5.0	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		5.0	ug/L	1
Isophorone	78-59-1	8270D	ND		5.0	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		5.0	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		5.0	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		10	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		5.0	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		5.0	ug/L	1
Naphthalene	91-20-3	8270D	ND		5.0	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		10	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		10	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		10	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		5.0	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		10	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		25	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		25	ug/L	1
Phenanthrene	85-01-8	8270D	ND		5.0	ug/L	1
Phenol	108-95-2	8270D	ND		5.0	ug/L	1
Pyrene	129-00-0	8270D	ND		5.0	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		5.0	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		89	41-144
2-Fluorobiphenyl		93	37-129
2-Fluorophenol		86	24-127
Nitrobenzene-d5		92	38-127
Phenol-d5		91	28-128
Terphenyl-d14		65	10-148

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

RCRA Metals

Client: **Blue Ridge Environmental Services**
Description: **SB-5**
Date Sampled: **07/28/2015 1600**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-010**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	08/04/2015 1645	COH	08/03/2015 1507	81318
1	3005A	6010C	1	08/04/2015 0016	BNW	08/03/2015 1447	81315

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.015	mg/L	1
Barium	**7440-39-3**	**6010C**	**0.034**		**0.025**	**mg/L**	**1**
Cadmium	7440-43-9	6010C	ND		0.0050	mg/L	1
Chromium	7440-47-3	6010C	ND		0.010	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010C	ND		0.020	mg/L	1
Silver	7440-22-4	6010C	ND		0.010	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
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Volatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services** | Laboratory ID: **QG30064-011**

Description: **SB-6** | Matrix: **Aqueous**

Date Sampled: **07/29/2015 1009**

Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5000	08/06/2015 1809	SES		81663

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		100000	ug/L	1
Benzene	71-43-2	8260B	ND		5000	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5000	ug/L	1
Bromoform	75-25-2	8260B	ND		5000	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		10000	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50000	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5000	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5000	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5000	ug/L	1
Chloroethane	75-00-3	8260B	ND		10000	ug/L	1
Chloroform	67-66-3	8260B	ND		5000	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5000	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5000	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5000	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5000	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5000	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5000	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5000	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5000	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		10000	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5000	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5000	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5000	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5000	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5000	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5000	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5000	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5000	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5000	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50000	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5000	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5000	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5000	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50000	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		25000	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5000	ug/L	1
Styrene	100-42-5	8260B	ND		5000	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5000	ug/L	1
Tetrachloroethene	**127-18-4**	**8260B**	**31000**		**5000**	**ug/L**	**1**
Toluene	108-88-3	8260B	ND		5000	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5000	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5000	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5000	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5000	ug/L	1

PQL = Practical quantitation limit | B = Detected in the method blank | E = Quantitation of compound exceeded the calibration range | H = Out of holding time

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

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: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-011**
Description: **SB-6**
Matrix: **Aqueous**
Date Sampled: **07/29/2015 1009**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5000	08/06/2015 1809	SES		81663

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		5000	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5000	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		5000	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5000	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
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Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-011**
Description: **SB-6**
Matrix: **Aqueous**
Date Sampled: **07/29/2015 1009**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0224	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		5.0	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		5.0	ug/L	1
Acetophenone	98-86-2	8270D	ND		5.0	ug/L	1
Anthracene	120-12-7	8270D	ND		5.0	ug/L	1
Atrazine	1912-24-9	8270D	ND		5.0	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		25	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		5.0	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		5.0	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		5.0	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		5.0	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		5.0	ug/L	1
1,1'-Biphenyl	92-52-4	8270D	ND		5.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		5.0	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		10	ug/L	1
Caprolactam	105-60-2	8270D	ND		25	ug/L	1
Carbazole	86-74-8	8270D	ND		5.0	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		5.0	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		5.0	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		5.0	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		5.0	ug/L	1
bis (2-Chloro-1-methylethyl) ether	108-60-1	8270D	ND		5.0	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		5.0	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		5.0	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		5.0	ug/L	1
Chrysene	218-01-9	8270D	ND		5.0	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		5.0	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		5.0	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		25	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		5.0	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.0	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.0	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		5.0	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		25	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		25	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		10	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		10	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	ug/L	1
Fluoranthene	206-44-0	8270D	ND		5.0	ug/L	1
Fluorene	86-73-7	8270D	ND		5.0	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		5.0	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		5.0	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		25	ug/L	1

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P = The RPD between two GC columns exceeds 40%
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Description: **SB-6**
Date Sampled: **07/29/2015 1009**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-011**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0224	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		5.0	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		5.0	ug/L	1
Isophorone	78-59-1	8270D	ND		5.0	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		5.0	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		5.0	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		10	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		5.0	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		5.0	ug/L	1
Naphthalene	91-20-3	8270D	ND		5.0	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		10	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		10	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		10	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		5.0	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		10	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		25	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		25	ug/L	1
Phenanthrene	85-01-8	8270D	ND		5.0	ug/L	1
Phenol	108-95-2	8270D	ND		5.0	ug/L	1
Pyrene	129-00-0	8270D	ND		5.0	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		5.0	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		93	41-144
2-Fluorobiphenyl		93	37-129
2-Fluorophenol		81	24-127
Nitrobenzene-d5		91	38-127
Phenol-d5		85	28-128
Terphenyl-d14		97	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
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RCRA Metals

Client: **Blue Ridge Environmental Services**
Description: **SB-6**
Date Sampled: **07/29/2015 1009**
Date Received: **07/30/2015**

Laboratory ID: **QG30064-011**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	08/04/2015 1721	COH	08/04/2015 0813	81369
1	3005A	6010C	1	08/04/2015 0020	BNW	08/03/2015 1447	81315

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.015	mg/L	1
Barium	7440-39-3	6010C	ND		0.025	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0050	mg/L	1
Chromium	7440-47-3	6010C	ND		0.010	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010C	ND		0.020	mg/L	1
Silver	7440-22-4	6010C	ND		0.010	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
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N = Recovery is out of criteria
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: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-012**
Description: **SB-8**
Matrix: **Aqueous**
Date Sampled: **07/29/2015 1255**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	500	08/08/2015 0526	JJG		81847
3	5030B	8260B	2000	08/11/2015 1749	PAP		82019

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10000	ug/L	2
Benzene	71-43-2	8260B	ND		500	ug/L	2
Bromodichloromethane	75-27-4	8260B	ND		500	ug/L	2
Bromoform	75-25-2	8260B	ND		500	ug/L	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1000	ug/L	2
2-Butanone (MEK)	78-93-3	8260B	ND		5000	ug/L	2
Carbon disulfide	75-15-0	8260B	ND		500	ug/L	2
Carbon tetrachloride	56-23-5	8260B	ND		500	ug/L	2
Chlorobenzene	108-90-7	8260B	ND		500	ug/L	2
Chloroethane	75-00-3	8260B	ND		1000	ug/L	2
Chloroform	67-66-3	8260B	ND		500	ug/L	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		500	ug/L	2
Cyclohexane	110-82-7	8260B	ND		500	ug/L	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		500	ug/L	2
Dibromochloromethane	124-48-1	8260B	ND		500	ug/L	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		500	ug/L	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		500	ug/L	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		500	ug/L	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		500	ug/L	2
Dichlorodifluoromethane	75-71-8	8260B	ND		1000	ug/L	2
1,2-Dichloroethane	107-06-2	8260B	ND		500	ug/L	2
1,1-Dichloroethane	75-34-3	8260B	ND		500	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		500	ug/L	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		500	ug/L	2
1,1-Dichloroethene	75-35-4	8260B	ND		500	ug/L	2
1,2-Dichloropropane	78-87-5	8260B	ND		500	ug/L	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		500	ug/L	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		500	ug/L	2
Ethylbenzene	100-41-4	8260B	ND		500	ug/L	2
2-Hexanone	591-78-6	8260B	ND		5000	ug/L	2
Isopropylbenzene	98-82-8	8260B	ND		500	ug/L	2
Methyl acetate	79-20-9	8260B	ND		500	ug/L	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		500	ug/L	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		5000	ug/L	2
Methylcyclohexane	108-87-2	8260B	ND		2500	ug/L	2
Methylene chloride	75-09-2	8260B	ND		500	ug/L	2
Styrene	100-42-5	8260B	ND		500	ug/L	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		500	ug/L	2
Tetrachloroethene	**127-18-4**	**8260B**	**110000**		**2000**	**ug/L**	**3**
Toluene	108-88-3	8260B	ND		500	ug/L	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		500	ug/L	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		500	ug/L	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		500	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
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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Volatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-012**
Description: **SB-8**
Matrix: **Aqueous**
Date Sampled: **07/29/2015 1255**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	500	08/08/2015 0526	JJG		81847
3	5030B	8260B	2000	08/11/2015 1749	PAP		82019

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,1-Trichloroethane	71-55-6	8260B	ND		500	ug/L	2
Trichloroethene	79-01-6	8260B	ND		500	ug/L	2
Trichlorofluoromethane	75-69-4	8260B	ND		500	ug/L	2
Vinyl chloride	75-01-4	8260B	ND		500	ug/L	2
Xylenes (total)	1330-20-7	8260B	ND		500	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits	Q	Run 3 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130		88	70-130
Bromofluorobenzene		91	70-130		84	70-130
Toluene-d8		99	70-130		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
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-012**
Description: **SB-8**
Matrix: **Aqueous**
Date Sampled: **07/29/2015 1255**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0248	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270D	ND		5.0	ug/L	1
Acenaphthylene	208-96-8	8270D	ND		5.0	ug/L	1
Acetophenone	98-86-2	8270D	ND		5.0	ug/L	1
Anthracene	120-12-7	8270D	ND		5.0	ug/L	1
Atrazine	1912-24-9	8270D	ND		5.0	ug/L	1
Benzaldehyde	100-52-7	8270D	ND		25	ug/L	1
Benzo(a)anthracene	56-55-3	8270D	ND		5.0	ug/L	1
Benzo(a)pyrene	50-32-8	8270D	ND		5.0	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND		5.0	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D	ND		5.0	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND		5.0	ug/L	1
1,1'-Biphenyl	**92-52-4**	**8270D**	**10**		**5.0**	**ug/L**	**1**
4-Bromophenyl phenyl ether	101-55-3	8270D	ND		5.0	ug/L	1
Butyl benzyl phthalate	85-68-7	8270D	ND		10	ug/L	1
Caprolactam	105-60-2	8270D	ND		25	ug/L	1
Carbazole	86-74-8	8270D	ND		5.0	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270D	ND		5.0	ug/L	1
4-Chloroaniline	106-47-8	8270D	ND		5.0	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270D	ND		5.0	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270D	ND		5.0	ug/L	1
bis (2-Chloro-1-methylethyl) ether	108-60-1	8270D	ND		5.0	ug/L	1
2-Chloronaphthalene	91-58-7	8270D	ND		5.0	ug/L	1
2-Chlorophenol	95-57-8	8270D	ND		5.0	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270D	ND		5.0	ug/L	1
Chrysene	218-01-9	8270D	ND		5.0	ug/L	1
Di-n-butyl phthalate	84-74-2	8270D	ND		5.0	ug/L	1
Di-n-octylphthalate	117-84-0	8270D	ND		5.0	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND		5.0	ug/L	1
Dibenzofuran	132-64-9	8270D	ND		5.0	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270D	ND		25	ug/L	1
2,4-Dichlorophenol	120-83-2	8270D	ND		5.0	ug/L	1
Diethylphthalate	84-66-2	8270D	ND		5.0	ug/L	1
Dimethyl phthalate	131-11-3	8270D	ND		5.0	ug/L	1
2,4-Dimethylphenol	105-67-9	8270D	ND		5.0	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270D	ND		25	ug/L	1
2,4-Dinitrophenol	51-28-5	8270D	ND		25	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270D	ND		10	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270D	ND		10	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270D	ND		5.0	ug/L	1
Fluoranthene	206-44-0	8270D	ND		5.0	ug/L	1
Fluorene	86-73-7	8270D	ND		5.0	ug/L	1
Hexachlorobenzene	118-74-1	8270D	ND		5.0	ug/L	1
Hexachlorobutadiene	87-68-3	8270D	ND		5.0	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270D	ND		25	ug/L	1

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

Semivolatile Organic Compounds by GC/MS

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-012**
Description: **SB-8**
Matrix: **Aqueous**
Date Sampled: **07/29/2015 1255**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	08/10/2015 0248	JCG	08/03/2015 1634	81354

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Hexachloroethane	67-72-1	8270D	ND		5.0	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D	ND		5.0	ug/L	1
Isophorone	78-59-1	8270D	ND		5.0	ug/L	1
2-Methylnaphthalene	91-57-6	8270D	ND		5.0	ug/L	1
2-Methylphenol	95-48-7	8270D	ND		5.0	ug/L	1
3 & 4-Methylphenol	106-44-5	8270D	ND		10	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270D	ND		5.0	ug/L	1
N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	8270D	ND		5.0	ug/L	1
Naphthalene	91-20-3	8270D	ND		5.0	ug/L	1
2-Nitroaniline	88-74-4	8270D	ND		10	ug/L	1
3-Nitroaniline	99-09-2	8270D	ND		10	ug/L	1
4-Nitroaniline	100-01-6	8270D	ND		10	ug/L	1
Nitrobenzene	98-95-3	8270D	ND		5.0	ug/L	1
2-Nitrophenol	88-75-5	8270D	ND		10	ug/L	1
4-Nitrophenol	100-02-7	8270D	ND		25	ug/L	1
Pentachlorophenol	87-86-5	8270D	ND		25	ug/L	1
Phenanthrene	85-01-8	8270D	ND		5.0	ug/L	1
Phenol	108-95-2	8270D	ND		5.0	ug/L	1
Pyrene	129-00-0	8270D	ND		5.0	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270D	ND		5.0	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		98	41-144
2-Fluorobiphenyl		86	37-129
2-Fluorophenol		82	24-127
Nitrobenzene-d5		93	38-127
Phenol-d5		90	28-128
Terphenyl-d14		88	10-148

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

RCRA Metals

Client: **Blue Ridge Environmental Services**
Laboratory ID: **QG30064-012**
Description: **SB-8**
Matrix: **Aqueous**
Date Sampled: **07/29/2015 1255**
Date Received: **07/30/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	08/04/2015 1723	COH	08/04/2015 0813	81369
1	3005A	6010C	1	08/04/2015 0025	BNW	08/03/2015 1447	81315

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Arsenic	7440-38-2	6010C	ND		0.015	mg/L	1
Barium	7440-39-3	6010C	ND		0.025	mg/L	1
Cadmium	7440-43-9	6010C	ND		0.0050	mg/L	1
Chromium	7440-47-3	6010C	ND		0.010	mg/L	1
Lead	7439-92-1	6010C	ND		0.010	mg/L	1
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Selenium	7782-49-2	6010C	ND		0.020	mg/L	1
Silver	7440-22-4	6010C	ND		0.010	mg/L	1

PQL = Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ81351-001
Batch: 81351
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/kg	08/03/2015 1059
Benzene	ND		1	5.0	ug/kg	08/03/2015 1059
Bromodichloromethane	ND		1	5.0	ug/kg	08/03/2015 1059
Bromoform	ND		1	5.0	ug/kg	08/03/2015 1059
Bromomethane (Methyl bromide)	ND		1	5.0	ug/kg	08/03/2015 1059
2-Butanone (MEK)	ND		1	10	ug/kg	08/03/2015 1059
Carbon disulfide	ND		1	5.0	ug/kg	08/03/2015 1059
Carbon tetrachloride	ND		1	5.0	ug/kg	08/03/2015 1059
Chlorobenzene	ND		1	5.0	ug/kg	08/03/2015 1059
Chloroethane	ND		1	5.0	ug/kg	08/03/2015 1059
Chloroform	ND		1	5.0	ug/kg	08/03/2015 1059
Chloromethane (Methyl chloride)	ND		1	5.0	ug/kg	08/03/2015 1059
Cyclohexane	ND		1	5.0	ug/kg	08/03/2015 1059
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	ug/kg	08/03/2015 1059
Dibromochloromethane	ND		1	5.0	ug/kg	08/03/2015 1059
1,2-Dibromoethane (EDB)	ND		1	5.0	ug/kg	08/03/2015 1059
1,2-Dichlorobenzene	ND		1	5.0	ug/kg	08/03/2015 1059
1,3-Dichlorobenzene	ND		1	5.0	ug/kg	08/03/2015 1059
1,4-Dichlorobenzene	ND		1	5.0	ug/kg	08/03/2015 1059
Dichlorodifluoromethane	ND		1	5.0	ug/kg	08/03/2015 1059
1,1-Dichloroethane	ND		1	5.0	ug/kg	08/03/2015 1059
1,2-Dichloroethane	ND		1	5.0	ug/kg	08/03/2015 1059
1,1-Dichloroethene	ND		1	5.0	ug/kg	08/03/2015 1059
cis-1,2-Dichloroethene	ND		1	5.0	ug/kg	08/03/2015 1059
trans-1,2-Dichloroethene	ND		1	5.0	ug/kg	08/03/2015 1059
1,2-Dichloropropane	ND		1	5.0	ug/kg	08/03/2015 1059
trans-1,3-Dichloropropene	ND		1	5.0	ug/kg	08/03/2015 1059
cis-1,3-Dichloropropene	ND		1	5.0	ug/kg	08/03/2015 1059
Ethylbenzene	ND		1	5.0	ug/kg	08/03/2015 1059
2-Hexanone	ND		1	10	ug/kg	08/03/2015 1059
Isopropylbenzene	ND		1	5.0	ug/kg	08/03/2015 1059
Methyl acetate	ND		1	5.0	ug/kg	08/03/2015 1059
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	08/03/2015 1059
4-Methyl-2-pentanone	ND		1	10	ug/kg	08/03/2015 1059
Methylcyclohexane	ND		1	5.0	ug/kg	08/03/2015 1059
Methylene chloride	ND		1	5.0	ug/kg	08/03/2015 1059
Styrene	ND		1	5.0	ug/kg	08/03/2015 1059
1,1,2,2-Tetrachloroethane	ND		1	5.0	ug/kg	08/03/2015 1059
Tetrachloroethene	ND		1	5.0	ug/kg	08/03/2015 1059
Toluene	ND		1	5.0	ug/kg	08/03/2015 1059
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	ug/kg	08/03/2015 1059
1,2,4-Trichlorobenzene	ND		1	5.0	ug/kg	08/03/2015 1059
1,1,2-Trichloroethane	ND		1	5.0	ug/kg	08/03/2015 1059
1,1,1-Trichloroethane	ND		1	5.0	ug/kg	08/03/2015 1059

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: QQ81351-001
Batch: 81351
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Trichloroethene	ND		1	5.0	ug/kg	08/03/2015 1059
Trichlorofluoromethane	ND		1	5.0	ug/kg	08/03/2015 1059
Vinyl chloride	ND		1	5.0	ug/kg	08/03/2015 1059
Xylenes (total)	ND		1	5.0	ug/kg	08/03/2015 1059

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	47-138
1,2-Dichloroethane-d4		104	53-142
Toluene-d8		104	68-124

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: QQ81351-002
Batch: 81351
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	92		1	92	60-140	08/03/2015 1004
Benzene	50	54		1	107	69-123	08/03/2015 1004
Bromodichloromethane	50	54		1	107	69-121	08/03/2015 1004
Bromoform	50	50		1	99	61-119	08/03/2015 1004
Bromomethane (Methyl bromide)	50	53		1	105	10-168	08/03/2015 1004
2-Butanone (MEK)	100	92		1	92	57-148	08/03/2015 1004
Carbon disulfide	50	58		1	117	58-122	08/03/2015 1004
Carbon tetrachloride	50	59		1	117	58-136	08/03/2015 1004
Chlorobenzene	50	53		1	107	59-129	08/03/2015 1004
Chloroethane	50	51		1	102	42-163	08/03/2015 1004
Chloroform	50	56		1	111	71-125	08/03/2015 1004
Chloromethane (Methyl chloride)	50	54		1	107	34-134	08/03/2015 1004
Cyclohexane	50	60		1	120	53-139	08/03/2015 1004
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	91	55-125	08/03/2015 1004
Dibromochloromethane	50	53		1	107	66-119	08/03/2015 1004
1,2-Dibromoethane (EDB)	50	52		1	104	74-124	08/03/2015 1004
1,2-Dichlorobenzene	50	53		1	106	57-131	08/03/2015 1004
1,3-Dichlorobenzene	50	52		1	104	51-134	08/03/2015 1004
1,4-Dichlorobenzene	50	53		1	105	52-133	08/03/2015 1004
Dichlorodifluoromethane	50	54		1	109	10-157	08/03/2015 1004
1,1-Dichloroethane	50	56		1	112	71-127	08/03/2015 1004
1,2-Dichloroethane	50	54		1	108	67-129	08/03/2015 1004
1,1-Dichloroethene	50	55		1	111	69-138	08/03/2015 1004
cis-1,2-Dichloroethene	50	55		1	109	70-122	08/03/2015 1004
trans-1,2-Dichloroethene	50	56		1	112	68-131	08/03/2015 1004
1,2-Dichloropropane	50	54		1	109	72-124	08/03/2015 1004
trans-1,3-Dichloropropene	50	51		1	102	70-124	08/03/2015 1004
cis-1,3-Dichloropropene	50	52		1	105	70-126	08/03/2015 1004
Ethylbenzene	50	53		1	107	59-128	08/03/2015 1004
2-Hexanone	100	87		1	87	54-137	08/03/2015 1004
Isopropylbenzene	50	54		1	108	50-136	08/03/2015 1004
Methyl acetate	50	48		1	97	59-137	08/03/2015 1004
Methyl tertiary butyl ether (MTBE)	50	53		1	107	70-130	08/03/2015 1004
4-Methyl-2-pentanone	100	89		1	89	60-134	08/03/2015 1004
Methylcyclohexane	50	56		1	112	41-144	08/03/2015 1004
Methylene chloride	50	54		1	107	70-130	08/03/2015 1004
Styrene	50	54		1	109	54-136	08/03/2015 1004
1,1,2,2-Tetrachloroethane	50	49		1	97	69-132	08/03/2015 1004
Tetrachloroethene	50	52		1	104	45-150	08/03/2015 1004
Toluene	50	52		1	103	61-129	08/03/2015 1004
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	63		1	127	49-136	08/03/2015 1004
1,2,4-Trichlorobenzene	50	53		1	107	34-145	08/03/2015 1004
1,1,2-Trichloroethane	50	52		1	103	55-128	08/03/2015 1004
1,1,1-Trichloroethane	50	57		1	113	63-128	08/03/2015 1004

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 Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ81351-002
Batch: 81351
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	54		1	109	62-126	08/03/2015 1004
Trichlorofluoromethane	50	53		1	107	45-138	08/03/2015 1004
Vinyl chloride	50	53		1	106	42-132	08/03/2015 1004
Xylenes (total)	100	110		1	107	58-128	08/03/2015 1004

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		101	68-124

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: QQ81617-001
Batch: 81617
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/L	08/05/2015 2136
Benzene	ND		1	1.0	ug/L	08/05/2015 2136
Bromodichloromethane	ND		1	1.0	ug/L	08/05/2015 2136
Bromoform	ND		1	1.0	ug/L	08/05/2015 2136
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	08/05/2015 2136
2-Butanone (MEK)	ND		1	10	ug/L	08/05/2015 2136
Carbon disulfide	ND		1	1.0	ug/L	08/05/2015 2136
Carbon tetrachloride	ND		1	1.0	ug/L	08/05/2015 2136
Chlorobenzene	ND		1	1.0	ug/L	08/05/2015 2136
Chloroethane	ND		1	2.0	ug/L	08/05/2015 2136
Chloroform	ND		1	1.0	ug/L	08/05/2015 2136
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	08/05/2015 2136
Cyclohexane	ND		1	1.0	ug/L	08/05/2015 2136
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	08/05/2015 2136
Dibromochloromethane	ND		1	1.0	ug/L	08/05/2015 2136
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	08/05/2015 2136
1,2-Dichlorobenzene	ND		1	1.0	ug/L	08/05/2015 2136
1,3-Dichlorobenzene	ND		1	1.0	ug/L	08/05/2015 2136
1,4-Dichlorobenzene	ND		1	1.0	ug/L	08/05/2015 2136
Dichlorodifluoromethane	ND		1	2.0	ug/L	08/05/2015 2136
1,1-Dichloroethane	ND		1	1.0	ug/L	08/05/2015 2136
1,2-Dichloroethane	ND		1	1.0	ug/L	08/05/2015 2136
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	08/05/2015 2136
1,1-Dichloroethene	ND		1	1.0	ug/L	08/05/2015 2136
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	08/05/2015 2136
1,2-Dichloropropane	ND		1	1.0	ug/L	08/05/2015 2136
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	08/05/2015 2136
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	08/05/2015 2136
Ethylbenzene	ND		1	1.0	ug/L	08/05/2015 2136
2-Hexanone	ND		1	10	ug/L	08/05/2015 2136
Isopropylbenzene	ND		1	1.0	ug/L	08/05/2015 2136
Methyl acetate	ND		1	1.0	ug/L	08/05/2015 2136
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	ug/L	08/05/2015 2136
4-Methyl-2-pentanone	ND		1	10	ug/L	08/05/2015 2136
Methylcyclohexane	ND		1	5.0	ug/L	08/05/2015 2136
Methylene chloride	ND		1	1.0	ug/L	08/05/2015 2136
Styrene	ND		1	1.0	ug/L	08/05/2015 2136
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	08/05/2015 2136
Tetrachloroethene	ND		1	1.0	ug/L	08/05/2015 2136
Toluene	ND		1	1.0	ug/L	08/05/2015 2136
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	1.0	ug/L	08/05/2015 2136
1,2,4-Trichlorobenzene	ND		1	1.0	ug/L	08/05/2015 2136
1,1,2-Trichloroethane	ND		1	1.0	ug/L	08/05/2015 2136
1,1,1-Trichloroethane	ND		1	1.0	ug/L	08/05/2015 2136

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: QQ81617-001
Batch: 81617
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Trichloroethene	ND		1	1.0	ug/L	08/05/2015 2136
Trichlorofluoromethane	ND		1	1.0	ug/L	08/05/2015 2136
Vinyl chloride	ND		1	1.0	ug/L	08/05/2015 2136
Xylenes (total)	ND		1	1.0	ug/L	08/05/2015 2136

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		99	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: QQ81617-002
Batch: 81617
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	89		1	89	60-140	08/05/2015 2049
Benzene	50	50		1	101	70-130	08/05/2015 2049
Bromodichloromethane	50	51		1	101	70-130	08/05/2015 2049
Bromoform	50	47		1	94	70-130	08/05/2015 2049
Bromomethane (Methyl bromide)	50	60		1	121	60-140	08/05/2015 2049
2-Butanone (MEK)	100	83		1	83	60-140	08/05/2015 2049
Carbon disulfide	50	55		1	110	60-140	08/05/2015 2049
Carbon tetrachloride	50	51		1	101	70-130	08/05/2015 2049
Chlorobenzene	50	50		1	101	70-130	08/05/2015 2049
Chloroethane	50	50		1	100	42-163	08/05/2015 2049
Chloroform	50	46		1	92	70-130	08/05/2015 2049
Chloromethane (Methyl chloride)	50	49		1	99	60-140	08/05/2015 2049
Cyclohexane	50	46		1	91	70-130	08/05/2015 2049
1,2-Dibromo-3-chloropropane (DBCP)	50	39		1	78	70-130	08/05/2015 2049
Dibromochloromethane	50	49		1	98	70-130	08/05/2015 2049
1,2-Dibromoethane (EDB)	50	50		1	100	70-130	08/05/2015 2049
1,2-Dichlorobenzene	50	51		1	102	70-130	08/05/2015 2049
1,3-Dichlorobenzene	50	51		1	103	70-130	08/05/2015 2049
1,4-Dichlorobenzene	50	50		1	100	70-130	08/05/2015 2049
Dichlorodifluoromethane	50	52		1	104	60-140	08/05/2015 2049
1,1-Dichloroethane	50	47		1	95	70-130	08/05/2015 2049
1,2-Dichloroethane	50	49		1	97	70-130	08/05/2015 2049
trans-1,2-Dichloroethene	50	51		1	102	70-130	08/05/2015 2049
1,1-Dichloroethene	50	53		1	105	70-130	08/05/2015 2049
cis-1,2-Dichloroethene	50	50		1	100	70-130	08/05/2015 2049
1,2-Dichloropropane	50	49		1	97	70-130	08/05/2015 2049
cis-1,3-Dichloropropene	50	50		1	100	70-130	08/05/2015 2049
trans-1,3-Dichloropropene	50	49		1	98	70-130	08/05/2015 2049
Ethylbenzene	50	51		1	101	70-130	08/05/2015 2049
2-Hexanone	100	83		1	83	60-140	08/05/2015 2049
Isopropylbenzene	50	52		1	104	70-130	08/05/2015 2049
Methyl acetate	50	41		1	81	15-128	08/05/2015 2049
Methyl tertiary butyl ether (MTBE)	50	49		1	99	70-130	08/05/2015 2049
4-Methyl-2-pentanone	100	86		1	86	60-140	08/05/2015 2049
Methylcyclohexane	50	47		1	94	70-130	08/05/2015 2049
Methylene chloride	50	47		1	95	70-130	08/05/2015 2049
Styrene	50	51		1	103	70-130	08/05/2015 2049
1,1,2,2-Tetrachloroethane	50	48		1	95	60-140	08/05/2015 2049
Tetrachloroethene	50	49		1	98	70-130	08/05/2015 2049
Toluene	50	51		1	102	70-130	08/05/2015 2049
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	102	70-130	08/05/2015 2049
1,2,4-Trichlorobenzene	50	51		1	103	70-130	08/05/2015 2049
1,1,2-Trichloroethane	50	48		1	97	70-130	08/05/2015 2049
1,1,1-Trichloroethane	50	52		1	104	70-130	08/05/2015 2049

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: QQ81617-002
Batch: 81617
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	52		1	104	70-130	08/05/2015 2049
Trichlorofluoromethane	50	50		1	100	70-130	08/05/2015 2049
Vinyl chloride	50	54		1	108	70-130	08/05/2015 2049
Xylenes (total)	100	100		1	102	70-130	08/05/2015 2049

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		99	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: QQ81663-001
Batch: 81663
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/L	08/06/2015 0946
Benzene	ND		1	1.0	ug/L	08/06/2015 0946
Bromodichloromethane	ND		1	1.0	ug/L	08/06/2015 0946
Bromoform	ND		1	1.0	ug/L	08/06/2015 0946
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	08/06/2015 0946
2-Butanone (MEK)	ND		1	10	ug/L	08/06/2015 0946
Carbon disulfide	ND		1	1.0	ug/L	08/06/2015 0946
Carbon tetrachloride	ND		1	1.0	ug/L	08/06/2015 0946
Chlorobenzene	ND		1	1.0	ug/L	08/06/2015 0946
Chloroethane	ND		1	2.0	ug/L	08/06/2015 0946
Chloroform	ND		1	1.0	ug/L	08/06/2015 0946
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	08/06/2015 0946
Cyclohexane	ND		1	1.0	ug/L	08/06/2015 0946
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	08/06/2015 0946
Dibromochloromethane	ND		1	1.0	ug/L	08/06/2015 0946
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	08/06/2015 0946
1,4-Dichlorobenzene	ND		1	1.0	ug/L	08/06/2015 0946
1,3-Dichlorobenzene	ND		1	1.0	ug/L	08/06/2015 0946
1,2-Dichlorobenzene	ND		1	1.0	ug/L	08/06/2015 0946
Dichlorodifluoromethane	ND		1	2.0	ug/L	08/06/2015 0946
1,2-Dichloroethane	ND		1	1.0	ug/L	08/06/2015 0946
1,1-Dichloroethane	ND		1	1.0	ug/L	08/06/2015 0946
1,1-Dichloroethene	ND		1	1.0	ug/L	08/06/2015 0946
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	08/06/2015 0946
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	08/06/2015 0946
1,2-Dichloropropane	ND		1	1.0	ug/L	08/06/2015 0946
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	08/06/2015 0946
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	08/06/2015 0946
Ethylbenzene	ND		1	1.0	ug/L	08/06/2015 0946
2-Hexanone	ND		1	10	ug/L	08/06/2015 0946
Isopropylbenzene	ND		1	1.0	ug/L	08/06/2015 0946
Methyl acetate	ND		1	1.0	ug/L	08/06/2015 0946
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	ug/L	08/06/2015 0946
4-Methyl-2-pentanone	ND		1	10	ug/L	08/06/2015 0946
Methylcyclohexane	ND		1	5.0	ug/L	08/06/2015 0946
Methylene chloride	ND		1	1.0	ug/L	08/06/2015 0946
Styrene	ND		1	1.0	ug/L	08/06/2015 0946
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	08/06/2015 0946
Tetrachloroethene	ND		1	1.0	ug/L	08/06/2015 0946
Toluene	ND		1	1.0	ug/L	08/06/2015 0946
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	1.0	ug/L	08/06/2015 0946
1,2,4-Trichlorobenzene	ND		1	1.0	ug/L	08/06/2015 0946
1,1,1-Trichloroethane	ND		1	1.0	ug/L	08/06/2015 0946
1,1,2-Trichloroethane	ND		1	1.0	ug/L	08/06/2015 0946

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 Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ81663-001
Batch: 81663
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Trichloroethene	ND		1	1.0	ug/L	08/06/2015 0946
Trichlorofluoromethane	ND		1	1.0	ug/L	08/06/2015 0946
Vinyl chloride	ND		1	1.0	ug/L	08/06/2015 0946
Xylenes (total)	ND		1	1.0	ug/L	08/06/2015 0946

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		94	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: QQ81663-002
Batch: 81663
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	130		1	126	60-140	08/06/2015 0837
Benzene	50	48		1	95	70-130	08/06/2015 0837
Bromodichloromethane	50	49		1	97	70-130	08/06/2015 0837
Bromoform	50	50		1	100	70-130	08/06/2015 0837
Bromomethane (Methyl bromide)	50	45		1	90	60-140	08/06/2015 0837
2-Butanone (MEK)	100	120		1	117	60-140	08/06/2015 0837
Carbon disulfide	50	49		1	99	60-140	08/06/2015 0837
Carbon tetrachloride	50	53		1	106	70-130	08/06/2015 0837
Chlorobenzene	50	48		1	96	70-130	08/06/2015 0837
Chloroethane	50	49		1	98	42-163	08/06/2015 0837
Chloroform	50	45		1	90	70-130	08/06/2015 0837
Chloromethane (Methyl chloride)	50	51		1	102	60-140	08/06/2015 0837
Cyclohexane	50	51		1	102	70-130	08/06/2015 0837
1,2-Dibromo-3-chloropropane (DBCP)	50	47		1	95	70-130	08/06/2015 0837
Dibromochloromethane	50	49		1	98	70-130	08/06/2015 0837
1,2-Dibromoethane (EDB)	50	50		1	99	70-130	08/06/2015 0837
1,4-Dichlorobenzene	50	48		1	96	70-130	08/06/2015 0837
1,3-Dichlorobenzene	50	48		1	96	70-130	08/06/2015 0837
1,2-Dichlorobenzene	50	47		1	94	70-130	08/06/2015 0837
Dichlorodifluoromethane	50	58		1	116	60-140	08/06/2015 0837
1,2-Dichloroethane	50	50		1	101	70-130	08/06/2015 0837
1,1-Dichloroethane	50	50		1	100	70-130	08/06/2015 0837
1,1-Dichloroethene	50	49		1	97	70-130	08/06/2015 0837
trans-1,2-Dichloroethene	50	48		1	97	70-130	08/06/2015 0837
cis-1,2-Dichloroethene	50	48		1	97	70-130	08/06/2015 0837
1,2-Dichloropropane	50	50		1	100	70-130	08/06/2015 0837
trans-1,3-Dichloropropene	50	51		1	102	70-130	08/06/2015 0837
cis-1,3-Dichloropropene	50	51		1	101	70-130	08/06/2015 0837
Ethylbenzene	50	48		1	95	70-130	08/06/2015 0837
2-Hexanone	100	100		1	100	60-140	08/06/2015 0837
Isopropylbenzene	50	50		1	100	70-130	08/06/2015 0837
Methyl acetate	50	63		1	126	15-128	08/06/2015 0837
Methyl tertiary butyl ether (MTBE)	50	52		1	105	70-130	08/06/2015 0837
4-Methyl-2-pentanone	100	100		1	104	60-140	08/06/2015 0837
Methylcyclohexane	50	50		1	101	70-130	08/06/2015 0837
Methylene chloride	50	49		1	99	70-130	08/06/2015 0837
Styrene	50	48		1	95	70-130	08/06/2015 0837
1,1,2,2-Tetrachloroethane	50	51		1	102	60-140	08/06/2015 0837
Tetrachloroethene	50	49		1	98	70-130	08/06/2015 0837
Toluene	50	48		1	96	70-130	08/06/2015 0837
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	53		1	106	70-130	08/06/2015 0837
1,2,4-Trichlorobenzene	50	40		1	79	70-130	08/06/2015 0837
1,1,1-Trichloroethane	50	49		1	99	70-130	08/06/2015 0837
1,1,2-Trichloroethane	50	46		1	92	70-130	08/06/2015 0837

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: QQ81663-002
Batch: 81663
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	50		1	100	70-130	08/06/2015 0837
Trichlorofluoromethane	50	53		1	106	70-130	08/06/2015 0837
Vinyl chloride	50	49		1	97	70-130	08/06/2015 0837
Xylenes (total)	100	95		1	95	70-130	08/06/2015 0837

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	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 - MS

Sample ID: QG30064-009MS
Batch: 31663
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	20000	19000		200	93	60-140	08/06/2015 1833
Benzene	ND	10000	9600		200	96	72-127	08/06/2015 1833
Bromodichloromethane	ND	10000	9700		200	97	71-143	08/06/2015 1833
Bromoform	ND	10000	8600		200	86	65-131	08/06/2015 1833
Bromomethane (Methyl bromide)	ND	10000	7800		200	78	36-168	08/06/2015 1833
2-Butanone (MEK)	ND	20000	19000		200	93	60-140	08/06/2015 1833
Carbon disulfide	ND	10000	8500		200	85	60-140	08/06/2015 1833
Carbon tetrachloride	ND	10000	11000		200	108	37-166	08/06/2015 1833
Chlorobenzene	ND	10000	9700		200	97	78-129	08/06/2015 1833
Chloroethane	ND	10000	8500		200	85	60-140	08/06/2015 1833
Chloroform	ND	10000	9400		200	93	63-123	08/06/2015 1833
Chloromethane (Methyl chloride)	ND	10000	8900		200	89	20-158	08/06/2015 1833
Cyclohexane	ND	10000	10000		200	100	70-130	08/06/2015 1833
1,2-Dibromo-3-chloropropane (DBCP)	ND	10000	8500		200	85	70-130	08/06/2015 1833
Dibromochloromethane	ND	10000	9400		200	94	74-134	08/06/2015 1833
1,2-Dibromoethane (EDB)	ND	10000	10000		200	100	70-130	08/06/2015 1833
1,4-Dichlorobenzene	ND	10000	9300		200	93	70-130	08/06/2015 1833
1,3-Dichlorobenzene	ND	10000	9200		200	92	70-130	08/06/2015 1833
1,2-Dichlorobenzene	ND	10000	9100		200	91	70-130	08/06/2015 1833
Dichlorodifluoromethane	ND	10000	9500		200	95	10-158	08/06/2015 1833
1,2-Dichloroethane	ND	10000	11000		200	108	59-143	08/06/2015 1833
1,1-Dichloroethane	ND	10000	10000		200	102	69-132	08/06/2015 1833
trans-1,2-Dichloroethene	ND	10000	9700		200	97	67-141	08/06/2015 1833
cis-1,2-Dichloroethene	ND	10000	10000		200	98	70-130	08/06/2015 1833
1,1-Dichloroethene	ND	10000	9800		200	98	50-132	08/06/2015 1833
1,2-Dichloropropane	ND	10000	9900		200	99	71-126	08/06/2015 1833
trans-1,3-Dichloropropene	ND	10000	9700		200	97	73-131	08/06/2015 1833
cis-1,3-Dichloropropene	ND	10000	9400		200	94	69-130	08/06/2015 1833
Ethylbenzene	ND	10000	9300		200	93	79-132	08/06/2015 1833
2-Hexanone	ND	20000	19000		200	96	60-140	08/06/2015 1833
Isopropylbenzene	ND	10000	9300		200	93	70-130	08/06/2015 1833
Methyl acetate	ND	10000	11000		200	111	15-128	08/06/2015 1833
Methyl tertiary butyl ether (MTBE)	ND	10000	10000		200	101	60-140	08/06/2015 1833
4-Methyl-2-pentanone	ND	20000	19000		200	95	60-140	08/06/2015 1833
Methylcyclohexane	ND	10000	9000		200	90	70-130	08/06/2015 1833
Methylene chloride	ND	10000	9700		200	97	69-129	08/06/2015 1833
Styrene	ND	10000	9400		200	94	70-130	08/06/2015 1833
1,1,2,2-Tetrachloroethane	ND	10000	9500		200	95	60-155	08/06/2015 1833
Tetrachloroethene	100000	10000	92000	N	200	49	70-130	08/06/2015 1833
Toluene	ND	10000	9500		200	95	75-125	08/06/2015 1833
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10000	9800		200	98	70-130	08/06/2015 1833
1,2,4-Trichlorobenzene	ND	10000	7900		200	79	70-130	08/06/2015 1833
1,1,2-Trichloroethane	ND	10000	9300		200	93	77-132	08/06/2015 1833
1,1,1-Trichloroethane	ND	10000	10000		200	103	77-132	08/06/2015 1833

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 Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Volatile Organic Compounds by GC/MS - MS

Sample ID: QG30064-009MS
Batch: 81663
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	290	10000	10000		200	101	73-124	08/06/2015 1833
Trichlorofluoromethane	ND	10000	10000		200	100	41-173	08/06/2015 1833
Vinyl chloride	ND	10000	8600		200	86	29-159	08/06/2015 1833
Xylenes (total)	ND	20000	19000		200	93	70-130	08/06/2015 1833

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		99	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 - MSD

Sample ID: QG30064-009MD
Batch: 81663
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	20000	18000		200	89	4.1	60-140	20	08/06/2015 1858
Benzene	ND	10000	9700		200	97	0.64	72-127	20	08/06/2015 1858
Bromodichloromethane	ND	10000	9900		200	99	1.8	71-143	20	08/06/2015 1858
Bromoform	ND	10000	9000		200	90	4.8	65-131	20	08/06/2015 1858
Bromomethane (Methyl bromide)	ND	10000	8300		200	83	6.0	36-168	20	08/06/2015 1858
2-Butanone (MEK)	ND	20000	19000		200	95	2.4	60-140	20	08/06/2015 1858
Carbon disulfide	ND	10000	9500		200	95	11	60-140	20	08/06/2015 1858
Carbon tetrachloride	ND	10000	11000		200	110	1.3	37-166	20	08/06/2015 1858
Chlorobenzene	ND	10000	9700		200	97	0.54	78-129	20	08/06/2015 1858
Chloroethane	ND	10000	9000		200	90	5.6	60-140	20	08/06/2015 1858
Chloroform	ND	10000	9400		200	94	0.64	63-123	20	08/06/2015 1858
Chloromethane (Methyl chloride)	ND	10000	9600		200	96	7.7	20-158	20	08/06/2015 1858
Cyclohexane	ND	10000	9800		200	98	2.6	70-130	20	08/06/2015 1858
1,2-Dibromo-3-chloropropane (DBCP)	ND	10000	9000		200	90	5.4	70-130	20	08/06/2015 1858
Dibromochloromethane	ND	10000	9700		200	97	3.3	74-134	20	08/06/2015 1858
1,2-Dibromoethane (EDB)	ND	10000	10000		200	101	0.53	70-130	20	08/06/2015 1858
1,4-Dichlorobenzene	ND	10000	9200		200	92	0.69	70-130	20	08/06/2015 1858
1,3-Dichlorobenzene	ND	10000	9200		200	92	0.089	70-130	20	08/06/2015 1858
1,2-Dichlorobenzene	ND	10000	9100		200	91	0.27	70-130	20	08/06/2015 1858
Dichlorodifluoromethane	ND	10000	9700		200	97	2.0	10-158	20	08/06/2015 1858
1,2-Dichloroethane	ND	10000	11000		200	106	2.4	59-143	20	08/06/2015 1858
1,1-Dichloroethane	ND	10000	10000		200	103	1.1	69-132	20	08/06/2015 1858
trans-1,2-Dichloroethene	ND	10000	9800		200	98	0.55	67-141	20	08/06/2015 1858
cis-1,2-Dichloroethene	ND	10000	10000		200	99	0.27	70-130	20	08/06/2015 1858
1,1-Dichloroethene	ND	10000	9900		200	99	1.8	50-132	20	08/06/2015 1858
1,2-Dichloropropane	ND	10000	10000		200	100	0.39	71-126	20	08/06/2015 1858
trans-1,3-Dichloropropene	ND	10000	9800		200	98	1.2	73-131	20	08/06/2015 1858
cis-1,3-Dichloropropene	ND	10000	9700		200	97	2.8	69-130	20	08/06/2015 1858
Ethylbenzene	ND	10000	9300		200	93	0.085	79-132	20	08/06/2015 1858
2-Hexanone	ND	20000	20000		200	101	4.6	60-140	20	08/06/2015 1858
Isopropylbenzene	ND	10000	9300		200	93	0.19	70-130	20	08/06/2015 1858
Methyl acetate	ND	10000	11000		200	111	0.56	15-128	20	08/06/2015 1858
Methyl tertiary butyl ether (MTBE)	ND	10000	10000		200	101	0.30	60-140	20	08/06/2015 1858
4-Methyl-2-pentanone	ND	20000	19000		200	97	2.8	60-140	20	08/06/2015 1858
Methylcyclohexane	ND	10000	8900		200	89	0.51	70-130	20	08/06/2015 1858
Methylene chloride	ND	10000	9800		200	98	1.2	69-129	20	08/06/2015 1858
Styrene	ND	10000	9600		200	96	1.5	70-130	20	08/06/2015 1858
1,1,2,2-Tetrachloroethane	ND	10000	9700		200	97	1.3	60-155	20	08/06/2015 1858
Tetrachloroethene	100000	10000	91000	N	200	38	1.2	70-130	20	08/06/2015 1858
Toluene	ND	10000	9600		200	96	1.1	75-125	20	08/06/2015 1858
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10000	10000		200	100	2.2	70-130	20	08/06/2015 1858
1,2,4-Trichlorobenzene	ND	10000	8500		200	85	6.7	70-130	20	08/06/2015 1858
1,1,2-Trichloroethane	ND	10000	9300		200	93	0.15	77-132	20	08/06/2015 1858
1,1,1-Trichloroethane	ND	10000	10000		200	104	0.85	77-132	20	08/06/2015 1858

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 - MSD

Sample ID: QG30064-009MD
Batch: 81663
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	290	10000	10000		200	100	0.72	73-124	20	08/06/2015 1858
Trichlorofluoromethane	ND	10000	10000		200	100	0.54	41-173	20	08/06/2015 1858
Vinyl chloride	ND	10000	9100		200	91	6.6	29-159	20	08/06/2015 1858
Xylenes (total)	ND	20000	19000		200	93	0.49	70-130	20	08/06/2015 1858

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		98	70-130
Toluene-d8		93	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: QQ81847-001
Batch: 81847
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/L	08/07/2015 2117
Benzene	ND		1	1.0	ug/L	08/07/2015 2117
Bromodichloromethane	ND		1	1.0	ug/L	08/07/2015 2117
Bromoform	ND		1	1.0	ug/L	08/07/2015 2117
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	08/07/2015 2117
2-Butanone (MEK)	ND		1	10	ug/L	08/07/2015 2117
Carbon disulfide	ND		1	1.0	ug/L	08/07/2015 2117
Carbon tetrachloride	ND		1	1.0	ug/L	08/07/2015 2117
Chlorobenzene	ND		1	1.0	ug/L	08/07/2015 2117
Chloroethane	ND		1	2.0	ug/L	08/07/2015 2117
Chloroform	ND		1	1.0	ug/L	08/07/2015 2117
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	08/07/2015 2117
Cyclohexane	ND		1	1.0	ug/L	08/07/2015 2117
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	08/07/2015 2117
Dibromochloromethane	ND		1	1.0	ug/L	08/07/2015 2117
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	08/07/2015 2117
1,3-Dichlorobenzene	ND		1	1.0	ug/L	08/07/2015 2117
1,2-Dichlorobenzene	ND		1	1.0	ug/L	08/07/2015 2117
1,4-Dichlorobenzene	ND		1	1.0	ug/L	08/07/2015 2117
Dichlorodifluoromethane	ND		1	2.0	ug/L	08/07/2015 2117
1,1-Dichloroethane	ND		1	1.0	ug/L	08/07/2015 2117
1,2-Dichloroethane	ND		1	1.0	ug/L	08/07/2015 2117
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	08/07/2015 2117
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	08/07/2015 2117
1,1-Dichloroethene	ND		1	1.0	ug/L	08/07/2015 2117
1,2-Dichloropropane	ND		1	1.0	ug/L	08/07/2015 2117
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	08/07/2015 2117
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	08/07/2015 2117
Ethylbenzene	ND		1	1.0	ug/L	08/07/2015 2117
2-Hexanone	ND		1	10	ug/L	08/07/2015 2117
Isopropylbenzene	ND		1	1.0	ug/L	08/07/2015 2117
Methyl acetate	ND		1	1.0	ug/L	08/07/2015 2117
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	ug/L	08/07/2015 2117
4-Methyl-2-pentanone	ND		1	10	ug/L	08/07/2015 2117
Methylcyclohexane	ND		1	5.0	ug/L	08/07/2015 2117
Methylene chloride	ND		1	1.0	ug/L	08/07/2015 2117
Styrene	ND		1	1.0	ug/L	08/07/2015 2117
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	08/07/2015 2117
Tetrachloroethene	ND		1	1.0	ug/L	08/07/2015 2117
Toluene	ND		1	1.0	ug/L	08/07/2015 2117
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	1.0	ug/L	08/07/2015 2117
1,2,4-Trichlorobenzene	ND		1	1.0	ug/L	08/07/2015 2117
1,1,2-Trichloroethane	ND		1	1.0	ug/L	08/07/2015 2117
1,1,1-Trichloroethane	ND		1	1.0	ug/L	08/07/2015 2117

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: QQ81847-001
Batch: 81847
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Trichloroethene	ND		1	1.0	ug/L	08/07/2015 2117
Trichlorofluoromethane	ND		1	1.0	ug/L	08/07/2015 2117
Vinyl chloride	ND		1	1.0	ug/L	08/07/2015 2117
Xylenes (total)	ND		1	1.0	ug/L	08/07/2015 2117

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		100	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: QQ81847-002
Batch 81847
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	89		1	89	60-140	08/07/2015 2029
Benzene	50	52		1	105	70-130	08/07/2015 2029
Bromodichloromethane	50	51		1	103	70-130	08/07/2015 2029
Bromoform	50	48		1	97	70-130	08/07/2015 2029
Bromomethane (Methyl bromide)	50	55		1	110	60-140	08/07/2015 2029
2-Butanone (MEK)	100	89		1	89	60-140	08/07/2015 2029
Carbon disulfide	50	56		1	111	60-140	08/07/2015 2029
Carbon tetrachloride	50	52		1	103	70-130	08/07/2015 2029
Chlorobenzene	50	53		1	106	70-130	08/07/2015 2029
Chloroethane	50	48		1	96	42-163	08/07/2015 2029
Chloroform	50	47		1	94	70-130	08/07/2015 2029
Chloromethane (Methyl chloride)	50	46		1	93	60-140	08/07/2015 2029
Cyclohexane	50	48		1	96	70-130	08/07/2015 2029
1,2-Dibromo-3-chloropropane (DBCP)	50	41		1	82	70-130	08/07/2015 2029
Dibromochloromethane	50	50		1	100	70-130	08/07/2015 2029
1,2-Dibromoethane (EDB)	50	52		1	104	70-130	08/07/2015 2029
1,3-Dichlorobenzene	50	53		1	106	70-130	08/07/2015 2029
1,2-Dichlorobenzene	50	53		1	107	70-130	08/07/2015 2029
1,4-Dichlorobenzene	50	52		1	103	70-130	08/07/2015 2029
Dichlorodifluoromethane	50	45		1	91	60-140	08/07/2015 2029
1,1-Dichloroethane	50	48		1	97	70-130	08/07/2015 2029
1,2-Dichloroethane	50	49		1	97	70-130	08/07/2015 2029
trans-1,2-Dichloroethene	50	53		1	105	70-130	08/07/2015 2029
cis-1,2-Dichloroethene	50	52		1	104	70-130	08/07/2015 2029
1,1-Dichloroethene	50	55		1	110	70-130	08/07/2015 2029
1,2-Dichloropropane	50	51		1	102	70-130	08/07/2015 2029
cis-1,3-Dichloropropene	50	53		1	106	70-130	08/07/2015 2029
trans-1,3-Dichloropropene	50	52		1	103	70-130	08/07/2015 2029
Ethylbenzene	50	54		1	107	70-130	08/07/2015 2029
2-Hexanone	100	85		1	85	60-140	08/07/2015 2029
Isopropylbenzene	50	55		1	110	70-130	08/07/2015 2029
Methyl acetate	50	40		1	81	15-128	08/07/2015 2029
Methyl tertiary butyl ether (MTBE)	50	52		1	104	70-130	08/07/2015 2029
4-Methyl-2-pentanone	100	86		1	86	60-140	08/07/2015 2029
Methylcyclohexane	50	50		1	99	70-130	08/07/2015 2029
Methylene chloride	50	49		1	98	70-130	08/07/2015 2029
Styrene	50	53		1	106	70-130	08/07/2015 2029
1,1,2,2-Tetrachloroethane	50	49		1	98	60-140	08/07/2015 2029
Tetrachloroethene	50	51		1	101	70-130	08/07/2015 2029
Toluene	50	53		1	105	70-130	08/07/2015 2029
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	103	70-130	08/07/2015 2029
1,2,4-Trichlorobenzene	50	55		1	110	70-130	08/07/2015 2029
1,1,2-Trichloroethane	50	51		1	103	70-130	08/07/2015 2029
1,1,1-Trichloroethane	50	53		1	105	70-130	08/07/2015 2029

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: QQ81847-002
Batch: 81847
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	54		1	108	70-130	08/07/2015 2029
Trichlorofluoromethane	50	48		1	95	70-130	08/07/2015 2029
Vinyl chloride	50	50		1	99	70-130	08/07/2015 2029
Xylenes (total)	100	110		1	106	70-130	08/07/2015 2029

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		101	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: QQ82019-001
Batch: 82019
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Tetrachloroethene	ND		1	1.0	ug/L	08/11/2015 0944

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		98	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: QQ82019-002
Batch: 82019
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Tetrachloroethene	50	50		1	100	70-130	08/11/2015 0838

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	70-130
1,2-Dichloroethane-d4		88	70-130
Toluene-d8		101	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

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: QQ81249-001
Batch 81249
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 07/31/2015 2230

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,1'-Biphenyl	ND		1	330	ug/kg	08/08/2015 1433
2,4,5-Trichlorophenol	ND		1	330	ug/kg	08/08/2015 1433
2,4,6-Trichlorophenol	ND		1	330	ug/kg	08/08/2015 1433
2,4-Dichlorophenol	ND		1	330	ug/kg	08/08/2015 1433
2,4-Dimethylphenol	ND		1	330	ug/kg	08/08/2015 1433
2,4-Dinitrophenol	ND		1	830	ug/kg	08/08/2015 1433
2,4-Dinitrotoluene	ND		1	330	ug/kg	08/08/2015 1433
2,6-Dinitrotoluene	ND		1	330	ug/kg	08/08/2015 1433
2-Chloronaphthalene	ND		1	330	ug/kg	08/08/2015 1433
2-Chlorophenol	ND		1	330	ug/kg	08/08/2015 1433
2-Methylnaphthalene	ND		1	330	ug/kg	08/08/2015 1433
2-Methylphenol	ND		1	330	ug/kg	08/08/2015 1433
2-Nitroaniline	ND		1	330	ug/kg	08/08/2015 1433
2-Nitrophenol	ND		1	330	ug/kg	08/08/2015 1433
3 & 4-Methylphenol	ND		1	670	ug/kg	08/08/2015 1433
3,3'-Dichlorobenzidine	ND		1	830	ug/kg	08/08/2015 1433
3-Nitroaniline	ND		1	330	ug/kg	08/08/2015 1433
4,6-Dinitro-2-methylphenol	ND		1	830	ug/kg	08/08/2015 1433
4-Bromophenyl phenyl ether	ND		1	330	ug/kg	08/08/2015 1433
4-Chloro-3-methyl phenol	ND		1	330	ug/kg	08/08/2015 1433
4-Chloroaniline	ND		1	330	ug/kg	08/08/2015 1433
4-Chlorophenyl phenyl ether	ND		1	330	ug/kg	08/08/2015 1433
4-Nitroaniline	ND		1	330	ug/kg	08/08/2015 1433
4-Nitrophenol	ND		1	830	ug/kg	08/08/2015 1433
Acenaphthene	ND		1	330	ug/kg	08/08/2015 1433
Acenaphthylene	ND		1	330	ug/kg	08/08/2015 1433
Acetophenone	ND		1	330	ug/kg	08/08/2015 1433
Anthracene	ND		1	330	ug/kg	08/08/2015 1433
Atrazine	ND		1	330	ug/kg	08/08/2015 1433
Benzaldehyde	ND		1	830	ug/kg	08/08/2015 1433
Benzo(a)anthracene	ND		1	330	ug/kg	08/08/2015 1433
Benzo(a)pyrene	ND		1	330	ug/kg	08/08/2015 1433
Benzo(b)fluoranthene	ND		1	330	ug/kg	08/08/2015 1433
Benzo(g,h,i)perylene	ND		1	330	ug/kg	08/08/2015 1433
Benzo(k)fluoranthene	ND		1	330	ug/kg	08/08/2015 1433
bis (2-Chloro-1-methylethyl) ether	ND		1	330	ug/kg	08/08/2015 1433
bis(2-Chloroethoxy)methane	ND		1	330	ug/kg	08/08/2015 1433
bis(2-Chloroethyl)ether	ND		1	330	ug/kg	08/08/2015 1433
bis(2-Ethylhexyl)phthalate	ND		1	330	ug/kg	08/08/2015 1433
Butyl benzyl phthalate	ND		1	330	ug/kg	08/08/2015 1433
Caprolactam	ND		1	830	ug/kg	08/08/2015 1433
Carbazole	ND		1	330	ug/kg	08/08/2015 1433
Chrysene	ND		1	330	ug/kg	08/08/2015 1433
Di-n-butyl phthalate	ND		1	330	ug/kg	08/08/2015 1433

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

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: QQ81249-001
Batch: 81249
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 07/31/2015 2230

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Di-n-octylphthalate	ND		1	330	ug/kg	08/08/2015 1433
Dibenzo(a,h)anthracene	ND		1	330	ug/kg	08/08/2015 1433
Dibenzofuran	ND		1	330	ug/kg	08/08/2015 1433
Diethylphthalate	ND		1	330	ug/kg	08/08/2015 1433
Dimethyl phthalate	ND		1	330	ug/kg	08/08/2015 1433
Fluoranthene	ND		1	330	ug/kg	08/08/2015 1433
Fluorene	ND		1	330	ug/kg	08/08/2015 1433
Hexachlorobenzene	ND		1	330	ug/kg	08/08/2015 1433
Hexachlorobutadiene	ND		1	330	ug/kg	08/08/2015 1433
Hexachlorocyclopentadiene	ND		1	830	ug/kg	08/08/2015 1433
Hexachloroethane	ND		1	330	ug/kg	08/08/2015 1433
Indeno(1,2,3-c,d)pyrene	ND		1	330	ug/kg	08/08/2015 1433
Isophorone	ND		1	330	ug/kg	08/08/2015 1433
N-Nitrosodi-n-propylamine	ND		1	330	ug/kg	08/08/2015 1433
N-Nitrosodiphenylamine (Diphenylamine)	ND		1	330	ug/kg	08/08/2015 1433
Naphthalene	ND		1	330	ug/kg	08/08/2015 1433
Nitrobenzene	ND		1	330	ug/kg	08/08/2015 1433
Pentachlorophenol	ND		1	830	ug/kg	08/08/2015 1433
Phenanthrene	ND		1	330	ug/kg	08/08/2015 1433
Phenol	ND		1	330	ug/kg	08/08/2015 1433
Pyrene	ND		1	330	ug/kg	08/08/2015 1433

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		58	30-117
2-Fluorobiphenyl		61	33-102
2-Fluorophenol		67	28-104
Nitrobenzene-d5		57	22-109
Phenol-d5		60	27-103
Terphenyl-d14		68	41-120

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

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: QQ81249-002
Batch: 81249
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 07/31/2015 2230

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,1'-Biphenyl	3300	3000		1	91	49-110	08/12/2015 1057
2,4,5-Trichlorophenol	3300	3200		1	96	46-122	08/12/2015 1057
2,4,6-Trichlorophenol	3300	3100		1	94	38-115	08/12/2015 1057
2,4-Dichlorophenol	6700	5800		1	87	41-113	08/12/2015 1057
2,4-Dimethylphenol	3300	4800	N	1	143	33-123	08/12/2015 1057
2,4-Dinitrophenol	3300	3200		1	96	45-127	08/12/2015 1057
2,4-Dinitrotoluene	3300	3400		1	101	48-124	08/12/2015 1057
2,6-Dinitrotoluene	3300	3500		1	104	47-125	08/12/2015 1057
2-Chloronaphthalene	3300	2600		1	79	31-127	08/12/2015 1057
2-Chlorophenol	3300	3100		1	94	37-106	08/12/2015 1057
2-Methylnaphthalene	3300	3200		1	96	40-106	08/12/2015 1057
2-Methylphenol	3300	3400		1	102	32-107	08/12/2015 1057
2-Nitroaniline	3300	3400		1	101	45-123	08/12/2015 1057
2-Nitrophenol	3300	3000		1	91	35-108	08/12/2015 1057
3 & 4-Methylphenol	3300	2900		1	88	39-108	08/12/2015 1057
3,3'-Dichlorobenzidine	3300	3400		1	101	46-113	08/12/2015 1057
3-Nitroaniline	3300	3200		1	96	24-127	08/12/2015 1057
4,6-Dinitro-2-methylphenol	3300	3300		1	98	40-130	08/12/2015 1057
4-Bromophenyl phenyl ether	3300	3100		1	92	46-118	08/12/2015 1057
4-Chloro-3-methyl phenol	3300	3300		1	100	49-118	08/12/2015 1057
4-Chloroaniline	3300	2400		1	71	10-125	08/12/2015 1057
4-Chlorophenyl phenyl ether	3300	3100		1	92	47-116	08/12/2015 1057
4-Nitroaniline	3300	4100		1	124	48-127	08/12/2015 1057
4-Nitrophenol	6700	7200		1	109	18-154	08/12/2015 1057
Acenaphthene	3300	3300		1	100	46-114	08/12/2015 1057
Acenaphthylene	3300	4600	N	1	139	44-122	08/12/2015 1057
Acetophenone	3300	3100		1	93	48-111	08/12/2015 1057
Anthracene	3300	3500		1	106	50-119	08/12/2015 1057
Atrazine	3300	2200		1	67	48-116	08/12/2015 1057
Benzaldehyde	3300	2300		1	69	40-117	08/12/2015 1057
Benzo(a)anthracene	3300	3400		1	103	47-121	08/12/2015 1057
Benzo(a)pyrene	3300	3900		1	118	55-134	08/12/2015 1057
Benzo(b)fluoranthene	3300	3600		1	108	28-139	08/12/2015 1057
Benzo(g,h,i)perylene	3300	3400		1	101	36-125	08/12/2015 1057
Benzo(k)fluoranthene	3300	3700		1	111	47-130	08/12/2015 1057
bis (2-Chloro-1-methylethyl) ether	3300	2900		1	87	31-102	08/12/2015 1057
bis(2-Chloroethoxy)methane	3300	3100		1	92	39-108	08/12/2015 1057
bis(2-Chloroethyl)ether	3300	3200		1	97	32-105	08/12/2015 1057
bis(2-Ethylhexyl)phthalate	3300	4000		1	121	45-128	08/12/2015 1057
Butyl benzyl phthalate	3300	4000		1	121	46-128	08/12/2015 1057
Caprolactam	3300	4200	N	1	127	43-121	08/12/2015 1057
Carbazole	3300	3600		1	109	47-128	08/12/2015 1057
Chrysene	3300	3400		1	103	45-126	08/12/2015 1057
Di-n-butyl phthalate	3300	3600		1	107	51-129	08/12/2015 1057

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

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: QQ81249-002
Batch: 81249
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 07/31/2015 2230

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Di-n-octylphthalate	3300	3500		1	104	49-142	08/12/2015 1057
Dibenzo(a,h)anthracene	3300	3800		1	113	45-122	08/12/2015 1057
Dibenzofuran	3300	3300		1	98	45-112	08/12/2015 1057
Diethylphthalate	3300	3400		1	103	49-123	08/12/2015 1057
Dimethyl phthalate	3300	3300		1	100	48-120	08/12/2015 1057
Fluoranthene	3300	3300		1	100	50-123	08/12/2015 1057
Fluorene	3300	3400		1	101	48-117	08/12/2015 1057
Hexachlorobenzene	3300	3100		1	93	44-122	08/12/2015 1057
Hexachlorobutadiene	3300	2800		1	85	33-103	08/12/2015 1057
Hexachlorocyclopentadiene	3300	2700		1	80	18-121	08/12/2015 1057
Hexachloroethane	3300	2900		1	88	30-96	08/12/2015 1057
Indeno(1,2,3-c,d)pyrene	3300	3600		1	108	45-123	08/12/2015 1057
Isophorone	3300	3300		1	100	41-113	08/12/2015 1057
N-Nitrosodi-n-propylamine	3300	3100		1	92	32-115	08/12/2015 1057
N-Nitrosodiphenylamine (Diphenylamine)	3300	4000		1	120	53-150	08/12/2015 1057
Naphthalene	3300	3100		1	92	36-110	08/12/2015 1057
Nitrobenzene	3300	3000		1	89	33-114	08/12/2015 1057
Pentachlorophenol	6700	3800		1	57	27-138	08/12/2015 1057
Phenanthrene	3300	3200		1	97	49-117	08/12/2015 1057
Phenol	3300	2900		1	88	36-108	08/12/2015 1057
Pyrene	3300	3500		1	104	47-119	08/12/2015 1057

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		96	30-117
2-Fluorobiphenyl		89	33-102
2-Fluorophenol		86	28-104
Nitrobenzene-d5		88	22-109
Phenol-d5		91	27-103
Terphenyl-d14		99	41-120

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

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: QG30064-001MS
Batch 81249
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 07/31/2015 2230

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	4300	4300		1	98	30-130	08/11/2015 2106
Acenaphthylene	ND	4300	5800	N	1	134	30-130	08/11/2015 2106
Acetophenone	ND	4300	3800		1	88	30-130	08/11/2015 2106
Anthracene	ND	4300	4500		1	103	30-130	08/11/2015 2106
Atrazine	ND	4300	3500		1	80	30-130	08/11/2015 2106
Benzaldehyde	ND	4300	2900		1	66	40-117	08/11/2015 2106
Benzo(a)anthracene	ND	4300	4500		1	103	30-130	08/11/2015 2106
Benzo(a)pyrene	ND	4300	5200		1	120	30-130	08/11/2015 2106
Benzo(b)fluoranthene	ND	4300	5000		1	116	30-130	08/11/2015 2106
Benzo(g,h,i)perylene	ND	4300	4100		1	94	30-130	08/11/2015 2106
Benzo(k)fluoranthene	ND	4300	4800		1	111	30-130	08/11/2015 2106
1,1'-Biphenyl	ND	4300	3800		1	88	30-130	08/11/2015 2106
4-Bromophenyl phenyl ether	ND	4300	3900		1	90	30-130	08/11/2015 2106
Butyl benzyl phthalate	ND	4300	5300		1	122	30-130	08/11/2015 2106
Caprolactam	ND	4300	5500		1	126	30-130	08/11/2015 2106
Carbazole	ND	4300	4700		1	107	30-130	08/11/2015 2106
4-Chloro-3-methyl phenol	ND	4300	4300		1	99	30-130	08/11/2015 2106
4-Chloroaniline	ND	4300	640		1	15	10-130	08/11/2015 2106
bis(2-Chloroethoxy)methane	ND	4300	3900		1	89	30-130	08/11/2015 2106
bis(2-Chloroethyl)ether	ND	4300	3500		1	81	30-130	08/11/2015 2106
bis (2-Chloro-1-methylethyl) ether	ND	4300	3300		1	76	30-130	08/11/2015 2106
2-Chloronaphthalene	ND	4300	3300		1	76	30-130	08/11/2015 2106
2-Chlorophenol	ND	4300	3900		1	89	30-130	08/11/2015 2106
4-Chlorophenyl phenyl ether	ND	4300	4000		1	91	30-130	08/11/2015 2106
Chrysene	ND	4300	4500		1	104	30-130	08/11/2015 2106
Di-n-butyl phthalate	ND	4300	4600		1	106	30-130	08/11/2015 2106
Di-n-octylphthalate	ND	4300	4500		1	103	30-130	08/11/2015 2106
Dibenzo(a,h)anthracene	ND	4300	5800	N	1	133	30-130	08/11/2015 2106
Dibenzofuran	ND	4300	4200		1	96	30-130	08/11/2015 2106
3,3'-Dichlorobenzidine	ND	4300	350	N	1	8.1	30-130	08/11/2015 2106
2,4-Dichlorophenol	ND	8700	7800		1	89	30-130	08/11/2015 2106
Diethylphthalate	ND	4300	4400		1	101	30-130	08/11/2015 2106
Dimethyl phthalate	ND	4300	4200		1	97	30-130	08/11/2015 2106
2,4-Dimethylphenol	ND	4300	6300	N	1	144	30-130	08/11/2015 2106
4,6-Dinitro-2-methylphenol	ND	4300	2700		1	62	30-130	08/11/2015 2106
2,4-Dinitrophenol	ND	4300	2600		1	59	30-130	08/11/2015 2106
2,4-Dinitrotoluene	ND	4300	4200		1	97	30-130	08/11/2015 2106
2,6-Dinitrotoluene	ND	4300	4400		1	100	30-130	08/11/2015 2106
bis(2-Ethylhexyl)phthalate	ND	4300	5300		1	122	30-130	08/11/2015 2106
Fluoranthene	ND	4300	4300		1	99	30-130	08/11/2015 2106
Fluorene	ND	4300	4300		1	100	30-130	08/11/2015 2106
Hexachlorobenzene	ND	4300	4100		1	93	30-130	08/11/2015 2106
Hexachlorobutadiene	ND	4300	3400		1	77	30-130	08/11/2015 2106
Hexachlorocyclopentadiene	ND	4300	700	N	1	16	30-130	08/11/2015 2106

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

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: QG30064-001MS
Batch: 31249
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 07/31/2015 2230

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Hexachloroethane	ND	4300	2700		1	62	30-130	08/11/2015 2106
Indeno(1,2,3-c,d)pyrene	ND	4300	4700		1	109	30-130	08/11/2015 2106
Isophorone	ND	4300	4100		1	95	30-130	08/11/2015 2106
2-Methylnaphthalene	ND	4300	4100		1	94	30-130	08/11/2015 2106
2-Methylphenol	ND	4300	4400		1	102	30-130	08/11/2015 2106
3 & 4-Methylphenol	ND	4300	3800		1	88	30-130	08/11/2015 2106
N-Nitrosodi-n-propylamine	ND	4300	3800		1	88	30-130	08/11/2015 2106
N-Nitrosodiphenylamine (Diphenylamine)	ND	4300	4900		1	112	30-130	08/11/2015 2106
Naphthalene	ND	4300	3700		1	85	30-130	08/11/2015 2106
2-Nitroaniline	ND	4300	4200		1	97	30-130	08/11/2015 2106
3-Nitroaniline	ND	4300	2400		1	55	30-130	08/11/2015 2106
4-Nitroaniline	ND	4300	3700		1	85	30-130	08/11/2015 2106
Nitrobenzene	ND	4300	3500		1	81	30-130	08/11/2015 2106
2-Nitrophenol	ND	4300	3700		1	85	30-130	08/11/2015 2106
4-Nitrophenol	ND	8700	9400		1	109	30-130	08/11/2015 2106
Pentachlorophenol	ND	8700	6800		1	79	30-130	08/11/2015 2106
Phenanthrene	ND	4300	4200		1	97	30-130	08/11/2015 2106
Phenol	ND	4300	3700		1	86	30-130	08/11/2015 2106
Pyrene	ND	4300	4500		1	104	30-130	08/11/2015 2106
2,4,5-Trichlorophenol	ND	4300	4200		1	96	30-130	08/11/2015 2106
2,4,6-Trichlorophenol	ND	4300	4200		1	96	30-130	08/11/2015 2106

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		106	30-117
2-Fluorobiphenyl		84	33-102
2-Fluorophenol		82	28-104
Nitrobenzene-d5		82	22-109
Phenol-d5		87	27-103
Terphenyl-d14		97	41-120

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

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: QG30064-001MD
Batch 81249
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 07/31/2015 2230

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	4300	4000		1	91	7.3	30-130	40	08/11/2015 2131
Acenaphthylene	ND	4300	5400		1	125	7.5	30-130	40	08/11/2015 2131
Acetophenone	ND	4300	3600		1	84	4.4	30-130	40	08/11/2015 2131
Anthracene	ND	4300	4300		1	99	4.1	30-130	40	08/11/2015 2131
Atrazine	ND	4300	3400		1	78	2.4	30-130	40	08/11/2015 2131
Benzaldehyde	ND	4300	2700		1	62	5.3	40-117	40	08/11/2015 2131
Benzo(a)anthracene	ND	4300	4400		1	102	0.79	30-130	40	08/11/2015 2131
Benzo(a)pyrene	ND	4300	5100		1	119	0.92	30-130	40	08/11/2015 2131
Benzo(b)fluoranthene	ND	4300	4900		1	113	2.3	30-130	40	08/11/2015 2131
Benzo(g,h,i)perylene	ND	4300	3500		1	82	14	30-130	40	08/11/2015 2131
Benzo(k)fluoranthene	ND	4300	4900		1	114	2.1	30-130	40	08/11/2015 2131
1,1'-Biphenyl	ND	4300	3500		1	81	8.3	30-130	40	08/11/2015 2131
4-Bromophenyl phenyl ether	ND	4300	3800		1	87	4.2	30-130	40	08/11/2015 2131
Butyl benzyl phthalate	ND	4300	5200		1	120	2.0	30-130	40	08/11/2015 2131
Caprolactam	ND	4300	5400		1	125	1.3	30-130	40	08/11/2015 2131
Carbazole	ND	4300	4600		1	106	1.2	30-130	40	08/11/2015 2131
4-Chloro-3-methyl phenol	ND	4300	4000		1	92	6.9	30-130	40	08/11/2015 2131
4-Chloroaniline	ND	4300	850		1	20	28	10-130	40	08/11/2015 2131
bis(2-Chloroethoxy)methane	ND	4300	3500		1	82	8.8	30-130	40	08/11/2015 2131
bis(2-Chloroethyl)ether	ND	4300	3200		1	74	8.8	30-130	40	08/11/2015 2131
bis (2-Chloro-1-methylethyl) ether	ND	4300	2900		1	66	14	30-130	40	08/11/2015 2131
2-Chloronaphthalene	ND	4300	3100		1	70	7.4	30-130	40	08/11/2015 2131
2-Chlorophenol	ND	4300	3800		1	87	2.8	30-130	40	08/11/2015 2131
4-Chlorophenyl phenyl ether	ND	4300	3700		1	86	5.4	30-130	40	08/11/2015 2131
Chrysene	ND	4300	4400		1	102	1.3	30-130	40	08/11/2015 2131
Di-n-butyl phthalate	ND	4300	4500		1	104	1.7	30-130	40	08/11/2015 2131
Di-n-octylphthalate	ND	4300	4500		1	103	0.31	30-130	40	08/11/2015 2131
Dibenzo(a,h)anthracene	ND	4300	5100		1	117	12	30-130	40	08/11/2015 2131
Dibenzofuran	ND	4300	4000		1	93	3.5	30-130	40	08/11/2015 2131
3,3'-Dichlorobenzidine	ND	4300	320	N	1	7.4	8.6	30-130	40	08/11/2015 2131
2,4-Dichlorophenol	ND	8700	7000		1	81	9.9	30-130	40	08/11/2015 2131
Diethylphthalate	ND	4300	4200		1	98	3.6	30-130	40	08/11/2015 2131
Dimethyl phthalate	ND	4300	4000		1	93	4.4	30-130	40	08/11/2015 2131
2,4-Dimethylphenol	ND	4300	5600		1	129	11	30-130	40	08/11/2015 2131
4,6-Dinitro-2-methylphenol	ND	4300	1900		1	44	34	30-130	40	08/11/2015 2131
2,4-Dinitrophenol	ND	4300	2100		1	48	21	30-130	40	08/11/2015 2131
2,4-Dinitrotoluene	ND	4300	4100		1	95	2.4	30-130	40	08/11/2015 2131
2,6-Dinitrotoluene	ND	4300	4100		1	95	5.1	30-130	40	08/11/2015 2131
bis(2-Ethylhexyl)phthalate	ND	4300	5200		1	121	1.2	30-130	40	08/11/2015 2131
Fluoranthene	ND	4300	4200		1	97	1.9	30-130	40	08/11/2015 2131
Fluorene	ND	4300	4100		1	95	4.3	30-130	40	08/11/2015 2131
Hexachlorobenzene	ND	4300	3800		1	88	5.8	30-130	40	08/11/2015 2131
Hexachlorobutadiene	ND	4300	3100		1	71	8.4	30-130	40	08/11/2015 2131
Hexachlorocyclopentadiene	ND	4300	510	N	1	12	31	30-130	40	08/11/2015 2131

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

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: QG30064-001MD
Batch: 31249
Analytical Method: 8270D

Matrix: Solid
Prep Method: 3550C
Prep Date: 07/31/2015 2230

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Hexachloroethane	ND	4300	2100		1	48	27	30-130	40	08/11/2015 2131
Indeno(1,2,3-c,d)pyrene	ND	4300	4300		1	99	9.6	30-130	40	08/11/2015 2131
Isophorone	ND	4300	3700		1	86	10	30-130	40	08/11/2015 2131
2-Methylnaphthalene	ND	4300	3700		1	85	9.5	30-130	40	08/11/2015 2131
2-Methylphenol	ND	4300	4200		1	96	5.8	30-130	40	08/11/2015 2131
3 & 4-Methylphenol	ND	4300	3500		1	81	8.5	30-130	40	08/11/2015 2131
N-Nitrosodi-n-propylamine	ND	4300	3400		1	79	11	30-130	40	08/11/2015 2131
N-Nitrosodiphenylamine (Diphenylamine)	ND	4300	4600		1	107	5.1	30-130	40	08/11/2015 2131
Naphthalene	ND	4300	3500		1	81	5.4	30-130	40	08/11/2015 2131
2-Nitroaniline	ND	4300	4100		1	94	3.6	30-130	40	08/11/2015 2131
3-Nitroaniline	ND	4300	2700		1	61	10	30-130	40	08/11/2015 2131
4-Nitroaniline	ND	4300	4000		1	93	8.9	30-130	40	08/11/2015 2131
Nitrobenzene	ND	4300	3300		1	76	6.5	30-130	40	08/11/2015 2131
2-Nitrophenol	ND	4300	3500		1	81	4.0	30-130	40	08/11/2015 2131
4-Nitrophenol	ND	8700	9300		1	107	1.8	30-130	40	08/11/2015 2131
Pentachlorophenol	ND	8700	6700		1	77	2.3	30-130	40	08/11/2015 2131
Phenanthrene	ND	4300	4100		1	93	3.8	30-130	40	08/11/2015 2131
Phenol	ND	4300	3600		1	84	2.6	30-130	40	08/11/2015 2131
Pyrene	ND	4300	4400		1	101	2.5	30-130	40	08/11/2015 2131
2,4,5-Trichlorophenol	ND	4300	4000		1	92	4.7	30-130	40	08/11/2015 2131
2,4,6-Trichlorophenol	ND	4300	4100		1	93	3.2	30-130	40	08/11/2015 2131

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		107	30-117
2-Fluorobiphenyl		77	33-102
2-Fluorophenol		78	28-104
Nitrobenzene-d5		76	22-109
Phenol-d5		84	27-103
Terphenyl-d14		97	41-120

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

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: QQ81354-001
Batch 81354
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 08/03/2015 1634

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,1'-Biphenyl	ND		1	5.0	ug/L	08/09/2015 1728
2,4,5-Trichlorophenol	ND		1	5.0	ug/L	08/09/2015 1728
2,4,6-Trichlorophenol	ND		1	5.0	ug/L	08/09/2015 1728
2,4-Dichlorophenol	ND		1	5.0	ug/L	08/09/2015 1728
2,4-Dimethylphenol	ND		1	5.0	ug/L	08/09/2015 1728
2,4-Dinitrophenol	ND		1	25	ug/L	08/09/2015 1728
2,4-Dinitrotoluene	ND		1	10	ug/L	08/09/2015 1728
2,6-Dinitrotoluene	ND		1	10	ug/L	08/09/2015 1728
2-Chloronaphthalene	ND		1	5.0	ug/L	08/09/2015 1728
2-Chlorophenol	ND		1	5.0	ug/L	08/09/2015 1728
2-Methylnaphthalene	ND		1	5.0	ug/L	08/09/2015 1728
2-Methylphenol	ND		1	5.0	ug/L	08/09/2015 1728
2-Nitroaniline	ND		1	10	ug/L	08/09/2015 1728
2-Nitrophenol	ND		1	10	ug/L	08/09/2015 1728
3 & 4-Methylphenol	ND		1	10	ug/L	08/09/2015 1728
3,3'-Dichlorobenzidine	ND		1	25	ug/L	08/09/2015 1728
3-Nitroaniline	ND		1	10	ug/L	08/09/2015 1728
4,6-Dinitro-2-methylphenol	ND		1	25	ug/L	08/09/2015 1728
4-Bromophenyl phenyl ether	ND		1	5.0	ug/L	08/09/2015 1728
4-Chloro-3-methyl phenol	ND		1	5.0	ug/L	08/09/2015 1728
4-Chloroaniline	ND		1	5.0	ug/L	08/09/2015 1728
4-Chlorophenyl phenyl ether	ND		1	5.0	ug/L	08/09/2015 1728
4-Nitroaniline	ND		1	10	ug/L	08/09/2015 1728
4-Nitrophenol	ND		1	25	ug/L	08/09/2015 1728
Acenaphthene	ND		1	5.0	ug/L	08/09/2015 1728
Acenaphthylene	ND		1	5.0	ug/L	08/09/2015 1728
Acetophenone	ND		1	5.0	ug/L	08/09/2015 1728
Anthracene	ND		1	5.0	ug/L	08/09/2015 1728
Atrazine	ND		1	5.0	ug/L	08/09/2015 1728
Benzaldehyde	ND		1	25	ug/L	08/09/2015 1728
Benzo(a)anthracene	ND		1	5.0	ug/L	08/09/2015 1728
Benzo(a)pyrene	ND		1	5.0	ug/L	08/09/2015 1728
Benzo(b)fluoranthene	ND		1	5.0	ug/L	08/09/2015 1728
Benzo(g,h,i)perylene	ND		1	5.0	ug/L	08/09/2015 1728
Benzo(k)fluoranthene	ND		1	5.0	ug/L	08/09/2015 1728
bis (2-Chloro-1-methylethyl) ether	ND		1	5.0	ug/L	08/09/2015 1728
bis(2-Chloroethoxy)methane	ND		1	5.0	ug/L	08/09/2015 1728
bis(2-Chloroethyl)ether	ND		1	5.0	ug/L	08/09/2015 1728
bis(2-Ethylhexyl)phthalate	ND		1	5.0	ug/L	08/09/2015 1728
Butyl benzyl phthalate	ND		1	10	ug/L	08/09/2015 1728
Caprolactam	ND		1	25	ug/L	08/09/2015 1728
Carbazole	ND		1	5.0	ug/L	08/09/2015 1728
Chrysene	ND		1	5.0	ug/L	08/09/2015 1728
Di-n-butyl phthalate	ND		1	5.0	ug/L	08/09/2015 1728

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

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: QQ81354-001
Batch 81354
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 08/03/2015 1634

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Di-n-octylphthalate	ND		1	5.0	ug/L	08/09/2015 1728
Dibenzo(a,h)anthracene	ND		1	5.0	ug/L	08/09/2015 1728
Dibenzofuran	ND		1	5.0	ug/L	08/09/2015 1728
Diethylphthalate	ND		1	5.0	ug/L	08/09/2015 1728
Dimethyl phthalate	ND		1	5.0	ug/L	08/09/2015 1728
Fluoranthene	ND		1	5.0	ug/L	08/09/2015 1728
Fluorene	ND		1	5.0	ug/L	08/09/2015 1728
Hexachlorobenzene	ND		1	5.0	ug/L	08/09/2015 1728
Hexachlorobutadiene	ND		1	5.0	ug/L	08/09/2015 1728
Hexachlorocyclopentadiene	ND		1	25	ug/L	08/09/2015 1728
Hexachloroethane	ND		1	5.0	ug/L	08/09/2015 1728
Indeno(1,2,3-c,d)pyrene	ND		1	5.0	ug/L	08/09/2015 1728
Isophorone	ND		1	5.0	ug/L	08/09/2015 1728
N-Nitrosodi-n-propylamine	ND		1	5.0	ug/L	08/09/2015 1728
N-Nitrosodiphenylamine (Diphenylamine)	ND		1	5.0	ug/L	08/09/2015 1728
Naphthalene	ND		1	5.0	ug/L	08/09/2015 1728
Nitrobenzene	ND		1	5.0	ug/L	08/09/2015 1728
Pentachlorophenol	ND		1	25	ug/L	08/09/2015 1728
Phenanthrene	ND		1	5.0	ug/L	08/09/2015 1728
Phenol	ND		1	5.0	ug/L	08/09/2015 1728
Pyrene	ND		1	5.0	ug/L	08/09/2015 1728

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		86	41-144
2-Fluorobiphenyl		98	37-129
2-Fluorophenol		85	24-127
Nitrobenzene-d5		93	38-127
Phenol-d5		91	28-128
Terphenyl-d14		100	10-148

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

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: QQ81354-002 **Matrix:** Aqueous
Batch 81354 **Prep Method:** 3520C
Analytical Method: 8270D **Prep Date:** 08/03/2015 1634

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,1'-Biphenyl	100	89		1	89	42-120	08/09/2015 1752
2,4,5-Trichlorophenol	100	95		1	95	56-118	08/09/2015 1752
2,4,6-Trichlorophenol	100	95		1	95	55-121	08/09/2015 1752
2,4-Dichlorophenol	200	170		1	86	55-117	08/09/2015 1752
2,4-Dimethylphenol	100	110		1	112	36-170	08/09/2015 1752
2,4-Dinitrophenol	100	98		1	98	47-133	08/09/2015 1752
2,4-Dinitrotoluene	100	100		1	102	59-127	08/09/2015 1752
2,6-Dinitrotoluene	100	100		1	103	59-126	08/09/2015 1752
2-Chloronaphthalene	100	78		1	78	46-100	08/09/2015 1752
2-Chlorophenol	100	94		1	94	50-117	08/09/2015 1752
2-Methylnaphthalene	100	95		1	95	57-115	08/09/2015 1752
2-Methylphenol	100	97		1	97	56-119	08/09/2015 1752
2-Nitroaniline	100	97		1	97	60-124	08/09/2015 1752
2-Nitrophenol	100	91		1	91	51-118	08/09/2015 1752
3 & 4-Methylphenol	100	87		1	87	53-119	08/09/2015 1752
3,3'-Dichlorobenzidine	100	47		1	47	10-126	08/09/2015 1752
3-Nitroaniline	100	100		1	103	43-123	08/09/2015 1752
4,6-Dinitro-2-methylphenol	100	100		1	101	56-128	08/09/2015 1752
4-Bromophenyl phenyl ether	100	91		1	91	55-121	08/09/2015 1752
4-Chloro-3-methyl phenol	100	94		1	94	58-125	08/09/2015 1752
4-Chloroaniline	100	87		1	87	10-128	08/09/2015 1752
4-Chlorophenyl phenyl ether	100	93		1	93	55-121	08/09/2015 1752
4-Nitroaniline	100	120		1	117	60-135	08/09/2015 1752
4-Nitrophenol	200	190		1	94	53-130	08/09/2015 1752
Acenaphthene	100	100		1	102	54-118	08/09/2015 1752
Acenaphthylene	100	140		1	137	48-155	08/09/2015 1752
Acetophenone	100	96		1	96	52-125	08/09/2015 1752
Anthracene	100	100		1	102	55-122	08/09/2015 1752
Atrazine	100	78		1	78	25-121	08/09/2015 1752
Benzaldehyde	100	89		1	89	45-115	08/09/2015 1752
Benzo(a)anthracene	100	95		1	95	56-123	08/09/2015 1752
Benzo(a)pyrene	100	100		1	104	54-124	08/09/2015 1752
Benzo(b)fluoranthene	100	100		1	104	55-136	08/09/2015 1752
Benzo(g,h,i)perylene	100	86		1	86	42-129	08/09/2015 1752
Benzo(k)fluoranthene	100	100		1	105	53-132	08/09/2015 1752
bis (2-Chloro-1-methylethyl) ether	100	98		1	98	42-124	08/09/2015 1752
bis(2-Chloroethoxy)methane	100	95		1	95	44-127	08/09/2015 1752
bis(2-Chloroethyl)ether	100	95		1	95	46-120	08/09/2015 1752
bis(2-Ethylhexyl)phthalate	100	110		1	108	56-128	08/09/2015 1752
Butyl benzyl phthalate	100	110		1	114	54-135	08/09/2015 1752
Caprolactam	100	72		1	72	44-152	08/09/2015 1752
Carbazole	100	100		1	104	47-140	08/09/2015 1752
Chrysene	100	97		1	97	54-120	08/09/2015 1752
Di-n-butyl phthalate	100	99		1	99	60-131	08/09/2015 1752

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

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: QQ81354-002
Batch: 81354
Analytical Method: 8270D

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 08/03/2015 1634

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Di-n-octylphthalate	100	96		1	96	50-136	08/09/2015 1752
Dibenzo(a,h)anthracene	100	75		1	75	50-127	08/09/2015 1752
Dibenzofuran	100	99		1	99	58-118	08/09/2015 1752
Diethylphthalate	100	100		1	103	60-125	08/09/2015 1752
Dimethyl phthalate	100	100		1	100	60-122	08/09/2015 1752
Fluoranthene	100	96		1	96	58-124	08/09/2015 1752
Fluorene	100	100		1	102	57-119	08/09/2015 1752
Hexachlorobenzene	100	94		1	94	55-118	08/09/2015 1752
Hexachlorobutadiene	100	86		1	86	53-116	08/09/2015 1752
Hexachlorocyclopentadiene	100	21		1	21	16-96	08/09/2015 1752
Hexachloroethane	100	84		1	84	31-110	08/09/2015 1752
Indeno(1,2,3-c,d)pyrene	100	97		1	97	48-126	08/09/2015 1752
Isophorone	100	96		1	96	57-123	08/09/2015 1752
N-Nitrosodi-n-propylamine	100	95		1	95	54-127	08/09/2015 1752
N-Nitrosodiphenylamine (Diphenylamine)	100	110		1	115	35-146	08/09/2015 1752
Naphthalene	100	92		1	92	52-109	08/09/2015 1752
Nitrobenzene	100	89		1	89	51-122	08/09/2015 1752
Pentachlorophenol	200	150		1	74	42-131	08/09/2015 1752
Phenanthrene	100	95		1	95	56-119	08/09/2015 1752
Phenol	100	87		1	87	49-117	08/09/2015 1752
Pyrene	100	100		1	100	55-127	08/09/2015 1752

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		101	41-144
2-Fluorobiphenyl		90	37-129
2-Fluorophenol		81	24-127
Nitrobenzene-d5		94	38-127
Phenol-d5		88	28-128
Terphenyl-d14		92	10-148

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

RCRA Metals - MB

Sample ID: QQ81315-001
Batch: 81315
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 08/03/2015 1447

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Arsenic	ND		1	0.015	mg/L	08/03/2015 2230
Barium	ND		1	0.025	mg/L	08/03/2015 2230
Cadmium	ND		1	0.0050	mg/L	08/03/2015 2230
Chromium	ND		1	0.010	mg/L	08/03/2015 2230
Lead	ND		1	0.010	mg/L	08/03/2015 2230
Selenium	ND		1	0.020	mg/L	08/03/2015 2230
Silver	ND		1	0.010	mg/L	08/03/2015 2230

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

RCRA Metals - LCS

Sample ID: QQ81315-002
Batch: 81315
Analytical Method: 6010C

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 08/03/2015 1447

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	0.40	0.39		1	96	80-120	08/03/2015 2234
Barium	2.0	1.9		1	97	80-120	08/03/2015 2234
Cadmium	0.40	0.39		1	98	80-120	08/03/2015 2234
Chromium	2.0	1.9		1	97	80-120	08/03/2015 2234
Lead	0.40	0.40		1	99	80-120	08/03/2015 2234
Selenium	0.40	0.39		1	99	80-120	08/03/2015 2234
Silver	0.40	0.39		1	98	80-120	08/03/2015 2234

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

RCRA Metals - MB

Sample ID: QQ81373-001
Batch 81373
Analytical Method: 6010C

Matrix: Solid
Prep Method: 3050B
Prep Date: 08/04/2015 839

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Arsenic	ND		1	0.75	mg/kg	08/04/2015 1930
Barium	ND		1	1.3	mg/kg	08/04/2015 1930
Cadmium	ND		1	0.25	mg/kg	08/04/2015 1930
Chromium	ND		1	0.50	mg/kg	08/04/2015 1930
Lead	ND		1	0.50	mg/kg	08/04/2015 1930
Selenium	ND		1	1.0	mg/kg	08/06/2015 1617
Silver	ND		1	0.50	mg/kg	08/04/2015 1930

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

RCRA Metals - LCS

Sample ID: QQ81373-002
Batch: 81373
Analytical Method: 6010C

Matrix: Solid
Prep Method: 3050B
Prep Date: 08/04/2015 839

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Arsenic	250	230		5	92	80-120	08/04/2015 1939
Barium	500	500		5	99	80-120	08/04/2015 1939
Cadmium	50	47		5	93	80-120	08/04/2015 1939
Chromium	250	250		5	102	80-120	08/04/2015 1939
Lead	250	250		5	101	80-120	08/04/2015 1939
Selenium	50	43		1	87	80-120	08/06/2015 1621
Silver	250	240		5	97	80-120	08/04/2015 1939

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

RCRA Metals - MB

Sample ID: QQ81318-001
Batch 81318
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 08/03/2015 1507

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.00010	mg/L	08/04/2015 1553

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

RCRA Metals - LCS

Sample ID: QQ81318-002
Batch: 81318
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 08/03/2015 1507

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0022		1	108	80-120	08/04/2015 1555

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

RCRA Metals - MS

Sample ID: QG30064-006MS
Batch 81318
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 08/03/2015 1507

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	ND	0.0020	0.0022		1	108	85-115	08/04/2015 1630

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

RCRA Metals - MSD

Sample ID: QG30064-006MD
Batch: 81318
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 08/03/2015 1507

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	ND	0.0020	0.0021		1	106	2.0	85-115	20	08/04/2015 1636

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

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106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

RCRA Metals - MS

Sample ID: QG30064-007MS
Batch: 81318
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 08/03/2015 1507

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	ND	0.0020	0.0018		1	89	85-115	08/04/2015 1639

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

RCRA Metals - MB

Sample ID: QQ81369-001
Batch: 81369
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 08/04/2015 813

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.00010	mg/L	08/04/2015 1647

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

RCRA Metals - LCS

Sample ID: QQ81369-002
Batch: 81369
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 08/04/2015 813

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0021		1	107	80-120	08/04/2015 1649

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

RCRA Metals - MB

Sample ID: QQ81906-001
Batch: 81906
Analytical Method: 7471B

Matrix: Solid
Prep Method: 7471B
Prep Date: 08/10/2015 1440

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.083	mg/kg	08/10/2015 1557

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

RCRA Metals - LCS

Sample ID: QQ81906-002
Batch: 81906
Analytical Method: 7471B

Matrix: Solid
Prep Method: 7471B
Prep Date: 08/10/2015 1440

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.83	0.85		1	102	80-120	08/10/2015 1600

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

RCRA Metals - MS

Sample ID: QG30064-005MS
Batch: 31906
Analytical Method: 7471B

Matrix: Solid
Prep Method: 7471B
Prep Date: 08/10/2015 1440

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	ND	0.92	0.95		1	104	80-120	08/10/2015 1614

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

RCRA Metals - MSD

Sample ID: QG30064-005MD
Batch: 31906
Analytical Method: 7471B

Matrix: Solid
Prep Method: 7471B
Prep Date: 08/10/2015 1440

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	ND	0.91	0.91		1	100	4.6	80-120	20	08/10/2015 1616

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

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North Carolina

Page 1 of 1

2315 Kings Road Extension
Shelby, North Carolina 28152
704-482-2111
FAX 704-482-4335
E-mail: BRESI@BlueRidge-ESI.com

PROJECT NAME/LOCATION: Travis Knits / 1515 West Academy St Cherryville, NC

GROUNDWATER INCIDENT #:

STF CODE:

P.O.#: 18423

LAB: Shealy

QG30064

SAMPLERS: Lee Harden / Ken Pimienta

PROJECT MANAGER:

SAMPLE ID:	DATE:	TIME:	SOIL	WATER	SAMPLE DESCRIPTION	PRESERVATIVE	NUMBER OF CONTAINERS	8260	8270	8 RCRA Metals				REMARKS
SB-2	7/28/15	11:45	X		Soil Sample 4-5ft		6	X	X	X				quote 18129
SB-4	7/28/15	16:00	X		Soil Sample 14-15'		6	X	X	X				
SB-7	7/29/15	12:05	X		Soil Sample 14-15'		6	X	X	X				
SB-8	7/29/15	12:10	X		Soil Sample 19-20'		6	X	X	X				
SB-9	7/29/15	12:15	X		Soil Sample 9-10'		6	X	X	X				
SB-1	7/28/15	11:36		X	Groundwater Sample		6	X	X	X				
SB-2	7/28/15	11:50		X			6	X	X	X				
SB-3	7/28/15	15:07		X			6	X	X	X				
SB-4	7/28/15	16:12		X			6	X	X	X				
SB-5	7/28/15	16:00		X			6	X	X	X				
SB-6	7/29/15	10:09		X			6	X	X	X				
SB-8	7/29/15	12:55		X			6	X	X	X				
														T= 2.0, 1.8 °C

RELINQUISHED BY: (SIGN.)	DATE:	TIME:	RECEIVED BY: (SIGN.)	DATE:	TIME:
Ken Pimienta	7.30.15	1117	[illegible]	7.30.15	1117
[illegible]	7.30.15	1605	[illegible]	7/30/15	1605
[illegible]	7/30/15	1700	[illegible]	7/30/15	1700

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Receipt Checklist (SRC)

Client: Blue Ridge Cooler Inspected by/date: KG / 7/30/15 Lot #: QG30064

Means of receipt: [✓] SESI [ ] Client [ ] UPS [ ] FedEx [ ] Airborne Exp [ ] Other

Yes [ ]	No [✓]		1. Were custody seals present on the cooler?
Yes [ ]	No [ ]	NA [✓]	2. If custody seals were present, were they intact and unbroken?

Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:
— / 1.8 / 1.8 °C — / 2.0 / 2.0 °C / / °C / / °C

Method: [✓] Temperature Blank [ ] Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C
Method of coolant: [✓] Wet Ice [ ] Blue Ice [ ] Dry Ice [ ] None

Yes [ ]	No [ ]	NA [✓]	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes [ ]	No [ ]	NA [✓]	4. Is the commercial courier's packing slip attached to this form?
Yes [✓]	No [ ]		5. Were proper custody procedures (relinquished/received) followed?
Yes [ ]	No [ ]	NA [✓]	5a Were samples relinquished by client to commercial courier?
Yes [✓]	No [ ]		6. Were sample IDs listed on the COC?
Yes [✓]	No [ ]		7. Were sample IDs listed on all sample containers?
Yes [✓]	No [ ]		8. Was collection date & time listed on the COC?
Yes [✓]	No [ ]		9. Was collection date & time listed on all sample containers?
Yes [✓]	No [ ]		10. Did all container label information (ID, date, time) agree with the COC?
Yes [✓]	No [ ]		11. Were tests to be performed listed on the COC?
Yes [✓]	No [ ]		12. Did all samples arrive in the proper containers for each test?
Yes [✓]	No [ ]		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes [✓]	No [ ]		14. Was adequate sample volume available?
Yes [ ]	No [✓]		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes [ ]	No [✓]		16. Were any samples containers missing?
Yes [ ]	No [✓]		17. Were there any excess samples not listed on COC?
Yes [ ]	No [✓]	NA [ ]	18. Were bubbles present >"pea size" (¼" or 6mm in diameter) in any VOA vials?
Yes [✓]	No [ ]	NA [ ]	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes [ ]	No [ ]	NA [✓]	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes [ ]	No [ ]	NA [✓]	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes [ ]	No [ ]	NA [✓]	22. Were collection temperatures documented on the COC for NC samples?
Yes [ ]	No [ ]	NA [✓]	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
Yes [ ]	No [✓]		24. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR #

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L (If #21 is No)

SC Drinking Water Project Sample(s) pH verified to be > 2 by _____ Date: _____
Sample(s) _____ were not received at a pH of <2 and were adjusted accordingly using SR#

Sample labels applied by: KG Verified by: _____ Date: 7/30/15

Comments: