Seeler Engineering, P.C.

October 22, 2012

TRANSMITTED ELECTRONICALLY

Mr. Joseph Bowes
Senior Real Estate Developer
PathStone Corporation
7 Prince Street
Rochester, NY 14607

File: 019.007

Re: Phase II Report and Supplemental Sampling Letter
400, 406 Spencer Road and Adjoining Vacant Property

Dear Mr. Bowes:

Enclosed with this letter please find the following:

- Attachment #1 - Supplemental Phase II letter (dated October 18, 2012) and,
- Attachment #2 - Phase II Environmental Site Assessment (dated October 2, 2012).

Together they present all field data collected for the above referenced sites. Should you have any questions please do not hesitate to contact me at (585) 248-9520 or timseeler@seelerengineering.com .

Very truly yours,
Seeler Engineering, P.C.

Tim A. Seeler, P.E.
Principal

Cc: Scott Reynolds, w/enc.

1151 PITTSFORD-VICTOR ROAD · SUITE 125 · PITTSFORD, NEW YORK 14534
FAX 585-248-9532 · PHONE 585-248-9520

Attachments

Attachment 1

October 18, 2012

TRANSMITTED ELECTRONICALLY

Mr. Joseph Bowes
Senior Real Estate Developer
PathStone Corporation
7 Prince Street
Rochester, NY 14607

File: 019.007

Re: Supplemental Phase II – Environmental Site Assessment
400, 406 Spencer Road and Adjoining Vacant Property

Dear Mr. Bowes:

Seeler Engineering, P.C. conducted a supplemental Phase II Environmental Site Assessment (ESA) for the above referenced properties based upon the recommendations of our Phase II Environmental Site Assessment report dated October 2012. This supplemental Phase II ESA consisted of additional subsurface investigation in the area surrounding boring B-11 to further define the boundary of impacted soil and groundwater and develop a more defined plan to address the issue in this area.

On October 4, 2012 Seeler Engineering returned to the site and installed thirteen additional soil borings and two groundwater wells in proximity to boring B-11 (B- to B-) and two additional borings (B-20 and B-21) in the area believed to be the former location of the house. A site plan that includes the location of soil borings installed as part of the initial Phase II, along with the additional thirteen new borings is included as Attachment #1 to this letter. Soil was screened using visual and olfactory techniques. The soil was also screened using a photo ionization detector (PID). Soil borings in the vicinity of B-11 were installed to a depth of approximately 12 feet. Boring logs are included as Attachment #2. Of the thirteen new borings installed, in the vicinity of B-11, eight showed no evidence of environmental impact, and all measurements with the photo ionization detector (PID) were zero. The two soil borings (B-20 and B-21) in the vicinity of the former house structure were terminated at approximately six feet below grade when the sample tube encountered what appeared to be a concrete structure believed to be the existing basement slab of the former house.

Of the thirteen new borings installed in the vicinity of boring B-11, eight showed no evidence of environmental impact, and all measurements with the photo ionization detector (PID) were zero. The three remaining borings (B-13, B-14, and B-17) were found to contain visual staining and elevated PID readings. Visual screening and PID measurements for borings B-20 and B-21 showed no evidence of contamination. Soil samples were collected from borings B-13, B-14, B-24, and B-25 and analyzed for VOCs, SVOCs, and PCBs. The analytical results were compared to New York State (NYS) Soil Cleanup Objectives (SCOs). A copy of the complete analytical results and a comparison table can be found in Attachment #3 of this letter. Three of the four soil samples were found to have elevated Acetone levels,

above the SCO unrestricted use value. Additionally several SVOC parameters were measured at levels in excess of unrestricted use, residential use, and restricted residential use SCO values.

The two groundwater wells were installed at boring locations B-13 and B-22. Groundwater was found at a depth of approximately 7 feet below ground surface. Water samples (WB-13 and WB-22) were collected from both wells and analyzed for VOCs, SVOCs, and PCBs. The results were compared against NYS Ambient Water Quality Standards and Guidance (AWQSG) values. A copy of the complete analytical results and a comparison table can be found in Attachment #2 of this letter. Sample WB-13 had measured values of m,p-Xylene, 2-Methylnaphthalene, and Naphthalene in excess of NYS AWQSG values. All measured values for WB-22 were below NYS AWQSG values.

Given the results from this supplemental environmental site assessment we can conclude that both soil and groundwater in the vicinity of boring B-11have been impacted. The area of significant impact is limited in dimension (approximate dimension - ten feet by ten feet). Impacted soil, however, extends fifty feet to the west of B-11 (Acetone measurements in exceedance of unrestricted use SCOs). These findings confirm the need for the development and implementation of an Environmental Management Plan (EMP) for use during all construction activities on site.

We thank you for the opportunity to assist you. Should you have any questions please do not hesitate to contact me at (585) 248-9520 or timseeler@seelerengineering.com .

Very truly yours,
Seeler Engineering, P.C.

Tim A. Seeler, P.E.
Principal

w/enc.

Attachments

Attachment 1

NOTES:
THIS DRAWINGS IS NOT TO SCALE. THIS DRAWINGS IS TO BE USED FOR THE PHASE II REPORT AND NOT TO BE USED FOR CONSTRUCTION. ALL UTILITIES MAY NOT BE SHOWN. FIELD VERIFICATION OF ALL UTILITIES AND STRUCTURES MUST BE PERFORMED BEFORE CONSTRUCTION BEGINS.

Water Sample Name: WB-22 (PID = 0.0 PPM)

Analyte Name	Result	Units	Standards Value	Guidance Value
All parameters were below NYS Ambient Water Quality Standards & Guidance Values				

Soil Sample Name: B-12@0 (At Surface)
PID @ 0.0' = 0.0 PPM, PID @ 7.0' = 0.0 PPM

Analyte Name	Result	DF	Units	Residential	Restricted Residential	Unrestricted Use
All SVOCs and PCBs parameters were non-detect. All metal parameters were below NYS Soil Cleanup Objective values.						

Soil Sample Name: B-24@6.5 (6.5' Below Grade, PID = 0.0 PPM)

Analyte Name	Result	DF	Units	Residential	Restricted Residential	Unrestricted Use
Acetone	73	5	µg/kg	100,000	100,000	50

Soil Sample Name: B-14@6.5 (6.5' Below Grade, PID = 17 PPM)

Analyte Name	Result	DF	Units	Residential	Restricted Residential	Unrestricted Use
Acetone	96	5	µg/kg	100,000	100,000	50

Soil Sample Name: B-3@7 (7' Below Grade, PID = 0.0 PPM)

Analyte Name	Result	DF	Units	Residential	Restricted Residential	Unrestricted Use
Lead	205	1	mg/Kg	400	400	63

Water Sample Name: WB-10 (PID = 0.0 PPM)

Analyte Name	Result	Units	Standards Value	Guidance Value
Manganese	3,930	µg/L	300	

Soil Sample Name: B-25@6 (6' Below Grade, PID = 0.0 PPM)

Analyte Name	Result	DF	Units	Residential	Restricted Residential	Unrestricted Use
All VOC parameters were below NYS Soil Cleanup Objective values. All SVOC and PCBs parameters were non-detect.						

Soil Sample Name: B-13@6 (6' Below Grade, PID = 60 PPM)

Analyte Name	Result	DF	Units	Residential	Restricted Residential	Unrestricted Use
Acetone	67	5	µg/kg	100,000	100,000	50
Benz(a)anthracene	10,000	10	µg/kg	1,000	1,000	1,000
Benzo(a)pyrene	6,500	10	µg/kg	1,000	1,000	1,000
Benzo(b)fluoranthene	4,600	10	µg/kg	1,000	1,000	1,000
Benzo(k)fluoranthene	4,600	10	µg/kg	1,000	3,900	800
Chrysene	8,400	10	µg/kg	1,000	3,900	1,000
Naphthalene	14,000	10	µg/kg	100,000	100,000	12,000

Water Sample Name: WB-13

Analyte Name	Result	Units	Standards Value	Guidance Value
m,p-Xylene	13	µg/L	5	
2-Methylnaphthalene	22	µg/L		4.7
Naphthalene	33	µg/L		10

Soil Sample Name: B-11@7 (7' Below Grade, PID = 112 PPM)

Analyte Name	Result	DF	Units	Residential	Restricted Residential	Unrestricted Use
Xylene (mixed)	1,800	115	µg/kg	100,000	100,000	260
PCB (Arodor 1260)	2,300	10	µg/kg	1,000	1,000	100

Water Sample Name: WB-11

Analyte Name	Result	Units	Standards Value	Guidance Value
m,p-Xylene	21	µg/L	5	
Naphthalene	14	µg/L		10

Soil Sample Name: B-4@6.5 (6.5' Below Grade)
PID @ 10.0' = 0.5 PPM

Analyte Name	Result	DF	Units	Residential	Restricted Residential	Unrestricted Use
Acetone	69	1	µg/kg	100,000	100,000	50

Water Sample Name: WB-4

Analyte Name	Result	Units	Standards Value	Guidance Value
Lead	109	µg/L	25	
Manganese	1,410	µg/L	300	

B-12 PID = 0.4 PPM @ 84"
B-15 PID = 0.0
B-23 PID = 0.0
B-17, PID = 9 PPM
B-16 PID = 0.0
B-18 PID = 0.0
B-19 PID = 0.0
B-20 PID = 0.0
B-21 PID = 0.0
B-9 PID = 0.0 PPM
B-8 PID = 0.0 PPM
B-3 PID = 0.0 PPM
B-1 PID = 0.0 PPM
B-2 PID = 0.0 PPM
B-7 PID = 0.0 PPM
B-6 PID = 0.0 PPM
B-5 PID = 0.0 PPM

STORAGE LOT (GRAVEL)
ARROX. LOCATION OF FORMER HOUSE
ARROX. LOCATION OF FORMER 10'x10' STRUCTURE
PARKING LOT (GRAVEL)
FORMER UST (1,000 GAL)
JERSEY BARRIER WALL
TRASH DUMPSTER
PARTS DUMPSTER
CURRENT SANITARY SEWER SECTION TO BE ABANDONED DURING CONSTRUCTION AND REMOVED
UTILITY POLE
STORAGE FOR AUTO SHOP
FORMER PAINT BOOTH
APPROX. LOCATION OF UNDERGROUND AUTO LIFT
LAWN AREA
WOOD RETAINING WALL
SPENCER ROAD
C.O.

LEGEND

COLOR CODE	ITEM/DESCRIPTION
	= EXISTING BUILDING
	= PROPOSED BUILDING FOOTPRINT

REVISIONS

NO.	DATE	BY	CHKD	DESCRIPTION
1	10/16/2012	MJC	TAS	ADDITIONAL SAMPLING

Seeler Engineering, P.C.
1151 PITTSFORD-VICTOR ROAD, SUITE 125
PITTSFORD, NEW YORK, 14534
PHONE 585-248-9520 FAX 585-248-9532

PATHSTONE CORPORATION
PHASE 2 - ESA
ITHACA, NEW YORK

DATE	DRAWN	CHECKED
9/14/12	MJC	TAS

SCALE: NOT TO SCALE

SHEET TITLE:
SITE PLAN

PROJECT NUMBER
019.007

1
DRAWING NUMBER

Attachment 2

Seeler Engineering, P.C. | **Test Boring Log** | Project Number: 019.007

BORING ID: **B-13**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: 10 feet west of B-11

DATE: 10/4/2012

WEATHER: 63°F, Rain

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									dark coarse sand, some gravel (FILL)	0.0	
											soil was dry no odor, no staining
											spoon sample recovery limited to 80%
2.5									Gravel	6.0	
									gray clay, little fine brown sand	5.0	
									coarse brown sand, little clay		no odor, no staining
										20.0	
5									gray clay	30.0	odor
										60.0	
											WATER TABLE
											strong odor and staining
									brown clay	8.0	
7.5											
									gray and brown clay	2.0	slight odor, some staining
									brown medium sand, and clay	0.0	no odor, no staining
10											
									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C.

Test Boring Log

Project Number: 019.007

BORING ID: **B-14**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: 20 feet west of B-11

DATE: 10/4/2012

WEATHER: 64°F, Cloudy

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									dark coarse sand, some gravel (FILL)	0.0	
									gray medium sand	0.0	chemical odor not petrolium
											soil was dry no odor, no staining
									medium brown sand, some fine gravel	0.0	
2.5											
									coarse sand, some gravel	0.0	soil was dry no odor, no staining
5										6.0	
									dark gray clay	16.9	odor and staining WATER TABLE
									gray clay	0.0	moist, no odor, no staining
7.5									gray clay	0.0	slight odor, some staining
									brown clay, trace fine sand	0.0	no odor, no staining
10											
									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C. | **Test Boring Log** | Project Number: 019.007

BORING ID: **B-15**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: 30 feet west of B-11

DATE: 10/4/2012

WEATHER: 64°F, Cloudy

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									dark coarse sand, some gravel (FILL)	0.0	
									brown fine sand, little fine gravel	0.0	soil was dry no odor, no staining
2.5									gravel	0.0	
									dark brown sand, some clay	0.0	staining, no odor
									coarse brown sand	0.0	spoon sample recovery limited to 80% soil was dry no odor, no staining
5									dark stained clay	0.0	WATER TABLE odor and staining
									dark gray clay	0.0	moist, no odor, no staining
7.5									dark gray clay	0.0	moist no odor, no staining
									brown clay, trace fine sand	0.0	
10									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C.

Test Boring Log

Project Number: 019.007

BORING ID: **B-16**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: 10 feet south of B-11

DATE: 10/4/2012

WEATHER: 65°F, Cloudy

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									dark coarse sand, some gravel (FILL)	0.0	
									brown coarse sand	0.0	soil was dry no odor, no staining
									light brown coarse sand, little gravel	0.0	
2.5									brown coarse sand	0.0	
									medium brown sand, and clay	0.0	
5									brown clay	0.0	soil was dry no odor, no staining
											WATER TABLE
									gray clay	0.0	slight staining, no odor
									brown clay	0.0	moist, no odor, no staining
7.5									brown clay, some fine sand	0.0	
											moist no odor, no staining
10									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C.

Test Boring Log

Project Number: 019.007

BORING ID: **B-17**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: 10 feet north of B-11

DATE: 10/4/2012

WEATHER: 65°F, Cloudy

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									dark coarse sand, some gravel (FILL)	0.0	
									brown coarse sand, some gravel	0.0	soil was dry no odor, no staining
2.5											
									coarse brown sand	0.0	spoon sample recovery limited to 50% soil was dry
5										0.0	no odor, no staining
											WATER TABLE
										0.0	slight staining, no odor
									gray clay	0.0	odor and staining
7.5											
									brown and gray clay	9.0	odor and staining spoon sample recovery limited to 25%
10											
									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C.

Test Boring Log

Project Number: 019.007

BORING ID: **B-18**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: 10 feet east of B-11

DATE: 10/4/2012

WEATHER: 64°F, Cloudy

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									dark coarse sand, some gravel (FILL)	0.0	
									course brown sand	0.0	
											soil was dry no odor, no staining
2.5											spoon sample recovery limited to 25%
									coarse brown sand, little clay	0.0	spoon sample recovery limited to 75%
5											soil was dry no odor, no staining
									brown clay	0.0	staining
											WATER TABLE
7.5											
									brown clay	0.0	
											no odor, no staining
10											
									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

SHEET: 1 of 1

Seeler Engineering, P.C.

Test Boring Log

Project Number: 019.007

BORING ID: **B-19**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: North of utility pole

DATE: 10/4/2012

WEATHER: 65°F, Cloudy

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									dark coarse sand, some gravel (FILL)	0.0	
									brown coarse sand, trace gravel	0.0	soil was dry no odor, no staining
2.5											
									brown coarse sand, trace gravel	0.0	
5											soil was dry no odor, no staining
											WATER TABLE
									dark gray clay	0.0	no odor, no staining
7.5											
									gray clay	0.0	
											no odor, no staining moist
10									brown clay, trace of fine sand	0.0	
									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C. | **Test Boring Log** | Project Number: 019.007

BORING ID: **B-20**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: Near gate (former house)

DATE: 10/4/2012

WEATHER: 66°F, Mostly Cloudy

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									dark coarse sand, some gravel (FILL)	0.0	
									brown coarse sand, trace gravel	0.0	soil was dry no odor, no staining
2.5											spoon sample recovery limited to 50%
									brown coarse sand	0.0	soil was dry no odor, no staining
5									cray clay and concrete	0.0	strong odor and staining wet
7.5											
10											
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

SHEET: 1 of 1

Seeler Engineering, P.C.

Test Boring Log

Project Number: 019.007

BORING ID: **B-21**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: 15' north of B-20

DATE: 10/4/2012

WEATHER: 68°F, Mostly Cloudy

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									dark coarse sand, some gravel (FILL)	0.0	
									large gravel, little coarse sand	0.0	soil was dry no odor, no staining
2.5									medium brown sand	0.0	spoon sample recovery limited to 75%
5											spoon sample no recovery
7.5											
10											
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C. | **Test Boring Log** | Project Number: 019.007

BORING ID: **B-22**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: 40 feet west of B-11

DATE: 10/4/2012

WEATHER: 70°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									dark coarse sand, some gravel (FILL)	0.0	
									coarse sand, and gray clay	0.0	soil was dry no odor, no staining
2.5											
									medium and coarse brown sand	0.0	
5											spoon sample recovery limited to 75%
											WATER TABLE
									dark gray clay and some sand	0.0	odor and staining
7.5											
									dark brown clay	0.0	
									brown clay, little fine gravel	0.0	no odor, no staining
10											
									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C.

Test Boring Log

Project Number: 019.007

BORING ID: **B-23**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: North west boundry of B-11

DATE: 10/4/2012

WEATHER: 70°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									brown coarse sand	0.0	
									gravel	0.0	soil was dry no odor, no staining
2.5									medium brown sand (wood fibers)	0.0	spoon sample recovery limited to 75%
									dark gray clay	0.0	
5											spoon sample recovery limited to 25%
										0.0	moist odor and staining
7.5									brown clay, little sand	0.0	
											no odor, no staining
10											spoon sample recovery limited to 50%
									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

SHEET: 1 of 1

Seeler Engineering, P.C.

Test Boring Log

Project Number: 019.007

BORING ID: **B-24**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: 50 feet south west of B-11

DATE: 10/4/2012

WEATHER: 70°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									dark coarse sand, some gravel (FILL)	0.0	
									coarse brown sand, some fine gravel	0.0	soil was dry no odor, no staining
2.5											
									coarse brown sand	0.0	soil was dry no odor, no staining
5									fine gravel		
											WATER TABLE
									gray clay	0.0	odor and staining
7.5											
									dark gray clay	0.0	no odor, no staining
10											spoon sample recovery limited to 50% 17" water in spoon sample
									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C.

Test Boring Log

Project Number: 019.007

BORING ID: **B-25**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: 50 feet north west of B-11

DATE: 10/4/2012

WEATHER: 70°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									dark coarse sand, some gravel (FILL)	0.0	
									medium brown sand	0.0	soil was dry no odor, no staining
2.5									medium brown sand, little clay	0.0	moist no odor, no staining
									wood	0.0	soil was dry
									gravel	0.0	no odor, no staining
									gray clay	0.0	
5									brown clay	0.0	spoon sample recovery limited to 50%
											WATER TABLE
									brown clay	0.0	
7.5									brown clay and medium sand	0.0	no odor, no staining very wet
10									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Attachment 3

Analytical Results Compared to SCO's

Date Collected: 10/04/2012

Site Address: 400-406 Spencer Road & Adjoining Lot

Sample Matrix: Soil

		B-25@6		B-24@6.5		B-14@6.5		B-13@6					
Analytical Method	**Analyte Name**	**Result**	**DF**	**Result**	**DF**	**Result**	**DF**	**Result**	**DF**	**Units**	**Residential**	**Restricted Residential**	**Unrestricted Use**
8260C	1,1,1-Trichloroethane	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	100,000	100,000	680
8260C	1,1-Dichloroethane	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	19,000	26,000	270
8260C	1,1-Dichloroethene	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	100,000	100,000	330
8260C	1,2,4-Trimethylbenzene	* See Note		* See Note		* See Note		* See Note		µg/Kg	47,000	52,000	3,600
8260C	1,2-Dichlorobenzene	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	100,000	100,000	1,100
8260C	1,2-Dichloroethane	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	2,300	3,100	20
8260C	1,3,5-Trimethylbenzene	* See Note		* See Note		* See Note		* See Note		µg/Kg	47,000	52,000	8,400
8260C	1,3-Dichlorobenzene	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	17,000	49,000	2,400
8260C	1,4-Dichlorobenzene	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	9,800	13,000	1,800
8260C	1,4-Dioxane	* See Note		* See Note		* See Note		* See Note		µg/Kg	9,800	13,000	100
8260C	**Acetone**	**49**	1	**73**	1	**96**	1	**67**	5	**µg/Kg**	**100,000**	**100,000**	**50**
8260C	Benzene	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	2,900	4,800	60
8260C	Carbon tetrachloride	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	1,400	2,400	760
8260C	Chlorobenzene	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	100,000	100,000	1,100
8260C	Chloroform	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	10,000	49,000	370
8260C	cis-1,2-Dichloroethene	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	59,000	100,000	250
8260C	Ethylbenzene	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	30,000	41,000	1,000
8270D	Hexachlorobenzene	400 U	1	400 U	1	470 U	1	4500 U	10	µg/Kg	330	1,200	330
8260C	**Methyl ethyl ketone**	**10**	1	**20**	1	**23**	1	**23**	5	**µg/Kg**	**100,000**	**100,000**	**120**
8260C	Methyl tert-Butyl Ether	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	62,000	100,000	930
8260C	Methylene chloride	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	51,000	100,000	50
8260C	n-Propylbenzene	* See Note		* See Note		* See Note		* See Note		µg/Kg	100,000	100,000	3,900
8260C	sec-Butylbenzene	* See Note		* See Note		* See Note		* See Note		µg/Kg	100,000	100,000	11,000
8260C	tert-Butylbenzene	* See Note		* See Note		* See Note		* See Note		µg/Kg	100,000	100,000	5,900
8260C	Tetrachloroethene	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	5,500	19,000	1,300

Analytical Results Compared to SCO's

Date Collected: 10/04/2012

Site Address: 400-406 Spencer Road & Adjoining Lot

Sample Matrix: Soil

		B-25@6		B-24@6.5		B-14@6.5		B-13@6					
Analytical Method	**Analyte Name**	**Result**	**DF**	**Result**	**DF**	**Result**	**DF**	**Result**	**DF**	**Units**	**Residential**	**Restricted Residential**	**Unrestricted Use**
8260C	Toluene	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	100,000	100,000	700
8260C	trans-1,2-Dichloroethene	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	100,000	100,000	190
8260C	Trichloroethene	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	10,000	21,000	470
8260C	Vinyl chloride	6.1 U	1	6.1 U	1	7.1 U	1	34 U	5	µg/Kg	210	900	20
8260C	**Xylene (mixed)**	12 U	1	12 U	1	14 U	1	**240**	5	µg/Kg	100,000	100,000	260
8270D	Acenaphthene	400 U	1	400 U	1	470 U	1	4500 U	10	µg/Kg	100,000	100,000	20,000
8270D	Acenaphthylene	400 U	1	400 U	1	470 U	1	**5400**	10	µg/Kg	100,000	100,000	100,000
8270D	Anthracene	400 U	1	400 U	1	470 U	1	**13000**	10	µg/Kg	100,000	100,000	100,000
8270D	**Benz(a)anthracene**	400 U	1	400 U	1	470 U	1	**10000**	10	**µg/Kg**	**1,000**	**1,000**	**1,000**
8270D	**Benzo(a)pyrene**	400 U	1	400 U	1	470 U	1	**6500**	10	**µg/Kg**	**1,000**	**1,000**	**1,000**
8270D	Benzo(b)fluoranthene	400 U	1	400 U	1	470 U	1	**4600**	10	µg/Kg	**1,000**	**1,000**	**1,000**
8270D	Benzo(g,h,i)perylene	400 U	1	400 U	1	470 U	1	4500 U	10	µg/Kg	100,000	100,000	100,000
8270D	Benzo(k)fluoranthene	400 U	1	400 U	1	470 U	1	**4600**	10	µg/Kg	**1,000**	**3,900**	**800**
8270D	**Chrysene**	400 U	1	400 U	1	470 U	1	**8400**	10	**µg/Kg**	**1,000**	**3,900**	**1,000**
8270D	Dibenz(a,h)anthracene	400 U	1	400 U	1	470 U	1	4500 U	10	µg/Kg	330	330	330
8270D	**Fluoranthene**	400 U	1	400 U	1	470 U	1	**22000**	10	**µg/Kg**	100,000	100,000	100,000
8270D	Fluorene	400 U	1	400 U	1	470 U	1	**14000**	10	µg/Kg	100,000	100,000	30,000
8270D	Indeno(1,2,3-cd)pyrene	400 U	1	400 U	1	470 U	1	4500 U	10	µg/Kg	500	500	500
8270D	m,o,p-Cresol	* See Note		* See Note		* See Note		* See Note		µg/Kg	34,000	100,000	330
8270D	**Naphthalene**	400 U	1	400 U	1	470 U	1	**14000**	10	**µg/Kg**	100,000	100,000	**12,000**
8270D	Pentachlorophenol	2100 U	1	2100 U	1	2400 U	1	23000 U	10	µg/Kg	2,400	6,700	800
8270D	**Phenanthrene**	400 U	1	400 U	1	470 U	1	**41000**	10	**µg/Kg**	100,000	100,000	100,000
8270D	Phenol	400 U	1	400 U	1	470 U	1	4500 U	10	µg/Kg	100,000	100,000	330
8270D	**Pyrene**	400 U	1	400 U	1	470 U	1	**16000**	10	**µg/Kg**	100,000	100,000	100,000
8082A	Aroclor 1016	40 U	1	40 U	1	40 U	1	45 U	1	µg/Kg	1,000	1,000	100

Analytical Results Compared to SCO's

Date Collected: 10/04/2012

Site Address: 400-406 Spencer Road & Adjoining Lot

Sample Matrix: Soil

		B-25@6		B-24@6.5		B-14@6.5		B-13@6					
Analytical Method	**Analyte Name**	**Result**	**DF**	**Result**	**DF**	**Result**	**DF**	**Result**	**DF**	**Units**	**Residential**	**Restricted Residential**	**Unrestricted Use**
8082A	Aroclor 1221	82 U	1	81 U	1	81 U	1	92 U	1	µg/Kg	1,000	1,000	100
8082A	Aroclor 1232	40 U	1	40 U	1	40 U	1	45 U	1	µg/Kg	1,000	1,000	100
8082A	Aroclor 1242	40 U	1	40 U	1	40 U	1	45 U	1	µg/Kg	1,000	1,000	100
8082A	Aroclor 1248	40 U	1	40 U	1	40 U	1	45 U	1	µg/Kg	1,000	1,000	100
8082A	Aroclor 1254	40 U	1	40 U	1	40 U	1	45 U	1	µg/Kg	1,000	1,000	100
8082A	Aroclor 1260	40 U	1	40 U	1	40 U	1	45 U	1	µg/Kg	1,000	1,000	100

Notes:

*No analytical results for this parameter, but its on SCO

DF = Dilution Factor

ND = Non-Detect

Analytical Results For Water Sample WB-13 & WB-22

Compared to NYS Ambient Water Quality Standards and Guidance Values

Sample Name: WB-13, WB-22 **Site Address: 400-406 Spencer Road & Adjoining Lot**

Date Collected: 10/04/2012 Sample Matrix: Water

Analytical Method	Analyte Name	WB-13	WB-12	Units	Standards Value	Guidance Value	Notes
8260C	Acetone	**12**	**5.2**	µg/L		50	
8260C	Isopropylbenzene	**3.3**	1.0 U	µg/L	5		*(1)
8260C	Methyl tert-Butyl Ether	**2.8**	**4.2**	µg/L			*(2)
8260C	Methylcyclohexane	**1**	1.0 U	µg/L			*(2)
8260C	m,p-Xylene	**13**	1.0 U	µg/L	**5**		*(1)
8270D	2-Methylnaphthalene	**22**	10 U	µg/L		**4.7**	
8270D	Naphthalene	**33**	10 U	µg/L		**10**	

Notes:

*(1) The principal organic containment (POC) standard for groundwater of 5 ug/L applies to this substance

*(2) no standard or guidance value is set for this substance, POC standard for groundwater does not apply

Standards and guidance values are taken from (Table 1) New York State Ambient Water Quality Standards and Guidance Values.

October 15, 2012 Service Request No: R1206714

Mr. Matt Czora
Seeler Engineering, PC
1151 Pittsford Victor Road
Suite 125
Pittsford, NY 14534

Laboratory Results for: Spencer Road/019.007

Dear Mr. Czora:

Enclosed are the results of the sample(s) submitted to our laboratory on October 5, 2012. For your reference, these analyses have been assigned our service request number **R1206714**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

Columbia Analytical Services, Inc. dba ALS Environmental

Janice Jaeger
Client Services Manager

Columbia Analytical Services
ADDRESS 1565 Jefferson Rd, Building 300, Suite 360, Rochester, NY 14623
PHONE 585-288-5380 | FAX 585-288-8475
Columbia Analytical Services, Inc.
Part of the ALS Group A Campbell Brothers Limited Company
Environmental www.caslab.com ▪ www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: R1206714

Lab ID	Client ID
R1206714-001	B-14@6.5
R1206714-002	B-13@6
R1206714-003	B-25@6
R1206714-004	B-24@6.5
R1206714-005	WB-22
R1206714-006	WB-13

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services

Now part of the ALS Group

REPORT QUALIFIERS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.

ACCREDITED IN ACCORDANCE WITH nelac

CAS/Rochester Lab ID # for State Certifications[1]

NELAP Accredited	Nevada ID # NY-00032
Connecticut ID # PH0556	New Jersey ID # NY004
Delaware Accredited	New York ID # 10145
DoD ELAP #65817	New Hampshire ID # 294100 A/B
Florida ID # E87674	North Carolina #676
Illinois ID #200047	Pennsylvania ID# 68-786
Maine ID #NY0032	Rhode Island ID # 158
Nebraska Accredited	Virginia #460167

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to the certifications section at www.caslab.com.

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1720
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
Sample Name:	B-14@6.5		
Lab Code:	R1206714-001	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**70.9**		Percent	1.0	1	NA	10/5/12 19:57	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1720
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Analyzed:	10/9/12 20:06
Sample Name:	B-14@6.5	**Units:**	µg/Kg
Lab Code:	R1206714-001	**Basis:**	Dry
		Percent Solids:	70.9

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313036
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\100912\K0779.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	7.1	U	7.1	
79-34-5	1,1,2,2-Tetrachloroethane	7.1	U	7.1	
79-00-5	1,1,2-Trichloroethane	7.1	U	7.1	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.1	U	7.1	
75-34-3	1,1-Dichloroethane (1,1-DCA)	7.1	U	7.1	
75-35-4	1,1-Dichloroethene (1,1-DCE)	7.1	U	7.1	
120-82-1	1,2,4-Trichlorobenzene	7.1	U	7.1	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	7.1	U	7.1	
106-93-4	1,2-Dibromoethane	7.1	U	7.1	
95-50-1	1,2-Dichlorobenzene	7.1	U	7.1	
107-06-2	1,2-Dichloroethane	7.1	U	7.1	
78-87-5	1,2-Dichloropropane	7.1	U	7.1	
541-73-1	1,3-Dichlorobenzene	7.1	U	7.1	
106-46-7	1,4-Dichlorobenzene	7.1	U	7.1	
78-93-3	2-Butanone (MEK)	**23**		7.1	
591-78-6	2-Hexanone	7.1	U	7.1	
108-10-1	4-Methyl-2-pentanone	7.1	U	7.1	
67-64-1	Acetone	**96**		7.1	
71-43-2	Benzene	7.1	U	7.1	
75-27-4	Bromodichloromethane	7.1	U	7.1	
75-25-2	Bromoform	7.1	U	7.1	
74-83-9	Bromomethane	7.1	U	7.1	
75-15-0	Carbon Disulfide	7.1	U	7.1	
56-23-5	Carbon Tetrachloride	7.1	U	7.1	
108-90-7	Chlorobenzene	7.1	U	7.1	
75-00-3	Chloroethane	7.1	U	7.1	
67-66-3	Chloroform	7.1	U	7.1	
74-87-3	Chloromethane	7.1	U	7.1	
110-82-7	Cyclohexane	7.1	U	7.1	
124-48-1	Dibromochloromethane	7.1	U	7.1	
75-71-8	Dichlorodifluoromethane (CFC 12)	7.1	U	7.1	
75-09-2	Dichloromethane	7.1	U	7.1	
100-41-4	Ethylbenzene	7.1	U	7.1	
98-82-8	Isopropylbenzene (Cumene)	7.1	U	7.1	
79-20-9	Methyl Acetate	7.1	U	7.1	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1720
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Analyzed:	10/9/12 20:06
Sample Name:	B-14@6.5	**Units:**	µg/Kg
Lab Code:	R1206714-001	**Basis:**	Dry
		Percent Solids:	70.9

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313036
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\100912\K0779.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
1634-04-4	Methyl tert-Butyl Ether	7.1	U	7.1	
108-87-2	Methylcyclohexane	7.1	U	7.1	
100-42-5	Styrene	7.1	U	7.1	
127-18-4	Tetrachloroethene (PCE)	7.1	U	7.1	
108-88-3	Toluene	7.1	U	7.1	
79-01-6	Trichloroethene (TCE)	7.1	U	7.1	
75-69-4	Trichlorofluoromethane (CFC 11)	7.1	U	7.1	
75-01-4	Vinyl Chloride	7.1	U	7.1	
156-59-2	cis-1,2-Dichloroethene	7.1	U	7.1	
10061-01-5	cis-1,3-Dichloropropene	7.1	U	7.1	
179601-23-1	m,p-Xylenes	14	U	14	
95-47-6	o-Xylene	7.1	U	7.1	
156-60-5	trans-1,2-Dichloroethene	7.1	U	7.1	
10061-02-6	trans-1,3-Dichloropropene	7.1	U	7.1	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	28-150	10/9/12 20:06	
Dibromofluoromethane	97	63-138	10/9/12 20:06	
Toluene-d8	102	66-138	10/9/12 20:06	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1720
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 18:40
Sample Name:	B-14@6.5	**Units:**	µg/Kg
Lab Code:	R1206714-001	**Basis:**	Dry
		Percent Solids:	70.9

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL932.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	470	U	470	
88-06-2	2,4,6-Trichlorophenol	470	U	470	
120-83-2	2,4-Dichlorophenol	470	U	470	
105-67-9	2,4-Dimethylphenol	470	U	470	
51-28-5	2,4-Dinitrophenol	2400	U	2400	
121-14-2	2,4-Dinitrotoluene	470	U	470	
606-20-2	2,6-Dinitrotoluene	470	U	470	
91-58-7	2-Chloronaphthalene	470	U	470	
95-57-8	2-Chlorophenol	470	U	470	
91-57-6	2-Methylnaphthalene	470	U	470	
95-48-7	2-Methylphenol	470	U	470	
88-74-4	2-Nitroaniline	2400	U	2400	
88-75-5	2-Nitrophenol	470	U	470	
91-94-1	3,3'-Dichlorobenzidine	470	U	470	
	3- and 4-Methylphenol Coelution	470	U	470	
99-09-2	3-Nitroaniline	2400	U	2400	
534-52-1	4,6-Dinitro-2-methylphenol	2400	U	2400	
101-55-3	4-Bromophenyl Phenyl Ether	470	U	470	
59-50-7	4-Chloro-3-methylphenol	470	U	470	
106-47-8	4-Chloroaniline	470	U	470	
7005-72-3	4-Chlorophenyl Phenyl Ether	470	U	470	
100-01-6	4-Nitroaniline	2400	U	2400	
100-02-7	4-Nitrophenol	2400	U	2400	
83-32-9	Acenaphthene	470	U	470	
208-96-8	Acenaphthylene	470	U	470	
98-86-2	Acetophenone	470	U	470	
120-12-7	Anthracene	470	U	470	
1912-24-9	Atrazine	470	U	470	
56-55-3	Benz(a)anthracene	470	U	470	
100-52-7	Benzaldehyde	470	U	470	
50-32-8	Benzo(a)pyrene	470	U	470	
205-99-2	Benzo(b)fluoranthene	470	U	470	
191-24-2	Benzo(g,h,i)perylene	470	U	470	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1720
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 18:40
Sample Name:	B-14@6.5	**Units:**	µg/Kg
Lab Code:	R1206714-001	**Basis:**	Dry
		Percent Solids:	70.9

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL932.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
207-08-9	Benzo(k)fluoranthene	470	U	470	
92-52-4	Biphenyl	470	U	470	
108-60-1	2,2'-Oxybis(1-chloropropane)	470	U	470	
111-91-1	Bis(2-chloroethoxy)methane	470	U	470	
111-44-4	Bis(2-chloroethyl) Ether	470	U	470	
117-81-7	Bis(2-ethylhexyl) Phthalate	470	U	470	
85-68-7	Butyl Benzyl Phthalate	470	U	470	
105-60-2	Caprolactam	470	U	470	
86-74-8	Carbazole	470	U	470	
218-01-9	Chrysene	470	U	470	
84-74-2	Di-n-butyl Phthalate	470	U	470	
117-84-0	Di-n-octyl Phthalate	470	U	470	
53-70-3	Dibenz(a,h)anthracene	470	U	470	
132-64-9	Dibenzofuran	470	U	470	
84-66-2	Diethyl Phthalate	470	U	470	
131-11-3	Dimethyl Phthalate	470	U	470	
206-44-0	Fluoranthene	470	U	470	
86-73-7	Fluorene	470	U	470	
118-74-1	Hexachlorobenzene	470	U	470	
87-68-3	Hexachlorobutadiene	470	U	470	
77-47-4	Hexachlorocyclopentadiene	470	U	470	
67-72-1	Hexachloroethane	470	U	470	
193-39-5	Indeno(1,2,3-cd)pyrene	470	U	470	
78-59-1	Isophorone	470	U	470	
621-64-7	N-Nitrosodi-n-propylamine	470	U	470	
86-30-6	N-Nitrosodiphenylamine	470	U	470	
91-20-3	Naphthalene	470	U	470	
98-95-3	Nitrobenzene	470	U	470	
87-86-5	Pentachlorophenol (PCP)	2400	U	2400	
85-01-8	Phenanthrene	470	U	470	
108-95-2	Phenol	470	U	470	
129-00-0	Pyrene	470	U	470	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1720
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 18:40
Sample Name:	B-14@6.5	**Units:**	Percent
Lab Code:	R1206714-001	**Basis:**	Dry
		Percent Solids:	70.9

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL932.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	94	41-151	10/9/12 18:40	
2-Fluorobiphenyl	77	49-115	10/9/12 18:40	
2-Fluorophenol	56	22-117	10/9/12 18:40	
Nitrobenzene-d5	68	40-112	10/9/12 18:40	
Phenol-d6	67	10-145	10/9/12 18:40	
Terphenyl-d14	76	38-137	10/9/12 18:40	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1720
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/5/12
		Date Analyzed:	10/11/12 19:14
Sample Name:	B-14@6.5	**Units:**	µg/Kg
Lab Code:	R1206714-001	**Basis:**	Dry
		Percent Solids:	70.9

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	313588
Prep Method:	EPA 3541	**Extraction Lot:**	168632
Data File Name:	I:\ACQUDATA\6890G\DATA\101112\AS865.D\	**Instrument Name:**	R-GC-58
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	47	U	47	
11104-28-2	Aroclor 1221	94	U	94	
11141-16-5	Aroclor 1232	47	U	47	
53469-21-9	Aroclor 1242	47	U	47	
12672-29-6	Aroclor 1248	47	U	47	
11097-69-1	Aroclor 1254	47	U	47	
11096-82-5	Aroclor 1260	47	U	47	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	80	22-150	10/11/12 19:14	
Tetrachloro-m-xylene	55	10-126	10/11/12 19:14	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1726
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
Sample Name:	B-13@6		
Lab Code:	R1206714-002	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**72.9**		Percent	1.0	1	NA	10/5/12 19:57	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1726
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Analyzed:	10/9/12 18:42
Sample Name:	B-13@6	**Units:**	µg/Kg
Lab Code:	R1206714-002	**Basis:**	Dry
		Percent Solids:	72.9

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313036
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\100912\K0777.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	5

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	34	U	34	
79-34-5	1,1,2,2-Tetrachloroethane	34	U	34	
79-00-5	1,1,2-Trichloroethane	34	U	34	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	34	U	34	
75-34-3	1,1-Dichloroethane (1,1-DCA)	34	U	34	
75-35-4	1,1-Dichloroethene (1,1-DCE)	34	U	34	
120-82-1	1,2,4-Trichlorobenzene	34	U	34	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	34	U	34	
106-93-4	1,2-Dibromoethane	34	U	34	
95-50-1	1,2-Dichlorobenzene	34	U	34	
107-06-2	1,2-Dichloroethane	34	U	34	
78-87-5	1,2-Dichloropropane	34	U	34	
541-73-1	1,3-Dichlorobenzene	34	U	34	
106-46-7	1,4-Dichlorobenzene	34	U	34	
78-93-3	2-Butanone (MEK)	34	U	34	
591-78-6	2-Hexanone	34	U	34	
108-10-1	4-Methyl-2-pentanone	34	U	34	
67-64-1	Acetone	**67**		34	
71-43-2	Benzene	34	U	34	
75-27-4	Bromodichloromethane	34	U	34	
75-25-2	Bromoform	34	U	34	
74-83-9	Bromomethane	34	U	34	
75-15-0	Carbon Disulfide	34	U	34	
56-23-5	Carbon Tetrachloride	34	U	34	
108-90-7	Chlorobenzene	34	U	34	
75-00-3	Chloroethane	34	U	34	
67-66-3	Chloroform	34	U	34	
74-87-3	Chloromethane	34	U	34	
110-82-7	Cyclohexane	**45**		34	
124-48-1	Dibromochloromethane	34	U	34	
75-71-8	Dichlorodifluoromethane (CFC 12)	34	U	34	
75-09-2	Dichloromethane	34	U	34	
100-41-4	Ethylbenzene	34	U	34	
98-82-8	Isopropylbenzene (Cumene)	**110**		34	
79-20-9	Methyl Acetate	34	U	34	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1726
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Analyzed:	10/9/12 18:42
Sample Name:	B-13@6	**Units:**	µg/Kg
Lab Code:	R1206714-002	**Basis:**	Dry
		Percent Solids:	72.9

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313036
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\100912\K0777.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	5

CAS No.	Analyte Name	Result	Q	MRL	Note
1634-04-4	Methyl tert-Butyl Ether	34	U	34	
108-87-2	Methylcyclohexane	**63**		34	
100-42-5	Styrene	34	U	34	
127-18-4	Tetrachloroethene (PCE)	34	U	34	
108-88-3	Toluene	34	U	34	
79-01-6	Trichloroethene (TCE)	34	U	34	
75-69-4	Trichlorofluoromethane (CFC 11)	34	U	34	
75-01-4	Vinyl Chloride	34	U	34	
156-59-2	cis-1,2-Dichloroethene	34	U	34	
10061-01-5	cis-1,3-Dichloropropene	34	U	34	
179601-23-1	m,p-Xylenes	**240**		69	
95-47-6	o-Xylene	34	U	34	
156-60-5	trans-1,2-Dichloroethene	34	U	34	
10061-02-6	trans-1,3-Dichloropropene	34	U	34	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	28-150	10/9/12 18:42	
Dibromofluoromethane	104	63-138	10/9/12 18:42	
Toluene-d8	103	66-138	10/9/12 18:42	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1726
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/10/12 16:34
Sample Name:	B-13@6	**Units:**	µg/Kg
Lab Code:	R1206714-002	**Basis:**	Dry
		Percent Solids:	72.9

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313443
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\101012\AL956.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	4500	U	4500	
88-06-2	2,4,6-Trichlorophenol	4500	U	4500	
120-83-2	2,4-Dichlorophenol	4500	U	4500	
105-67-9	2,4-Dimethylphenol	4500	U	4500	
51-28-5	2,4-Dinitrophenol	23000	U	23000	
121-14-2	2,4-Dinitrotoluene	4500	U	4500	
606-20-2	2,6-Dinitrotoluene	4500	U	4500	
91-58-7	2-Chloronaphthalene	4500	U	4500	
95-57-8	2-Chlorophenol	4500	U	4500	
91-57-6	2-Methylnaphthalene	**12000**		4500	
95-48-7	2-Methylphenol	4500	U	4500	
88-74-4	2-Nitroaniline	23000	U	23000	
88-75-5	2-Nitrophenol	4500	U	4500	
91-94-1	3,3'-Dichlorobenzidine	4500	U	4500	
	3- and 4-Methylphenol Coelution	4500	U	4500	
99-09-2	3-Nitroaniline	23000	U	23000	
534-52-1	4,6-Dinitro-2-methylphenol	23000	U	23000	
101-55-3	4-Bromophenyl Phenyl Ether	4500	U	4500	
59-50-7	4-Chloro-3-methylphenol	4500	U	4500	
106-47-8	4-Chloroaniline	4500	U	4500	
7005-72-3	4-Chlorophenyl Phenyl Ether	4500	U	4500	
100-01-6	4-Nitroaniline	23000	U	23000	
100-02-7	4-Nitrophenol	23000	U	23000	
83-32-9	Acenaphthene	4500	U	4500	
208-96-8	Acenaphthylene	**5400**		4500	
98-86-2	Acetophenone	4500	U	4500	
120-12-7	Anthracene	**13000**		4500	
1912-24-9	Atrazine	4500	U	4500	
56-55-3	Benz(a)anthracene	**10000**		4500	
100-52-7	Benzaldehyde	4500	U	4500	
50-32-8	Benzo(a)pyrene	**6500**		4500	
205-99-2	Benzo(b)fluoranthene	**4600**		4500	
191-24-2	Benzo(g,h,i)perylene	4500	U	4500	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1726
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/10/12 16:34
Sample Name:	B-13@6	**Units:**	µg/Kg
Lab Code:	R1206714-002	**Basis:**	Dry
		Percent Solids:	72.9

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313443
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\101012\AL956.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	Note
207-08-9	Benzo(k)fluoranthene	**4600**		4500	
92-52-4	Biphenyl	4500	U	4500	
108-60-1	2,2'-Oxybis(1-chloropropane)	4500	U	4500	
111-91-1	Bis(2-chloroethoxy)methane	4500	U	4500	
111-44-4	Bis(2-chloroethyl) Ether	4500	U	4500	
117-81-7	Bis(2-ethylhexyl) Phthalate	4500	U	4500	
85-68-7	Butyl Benzyl Phthalate	4500	U	4500	
105-60-2	Caprolactam	4500	U	4500	
86-74-8	Carbazole	4500	U	4500	
218-01-9	Chrysene	**8400**		4500	
84-74-2	Di-n-butyl Phthalate	4500	U	4500	
117-84-0	Di-n-octyl Phthalate	4500	U	4500	
53-70-3	Dibenz(a,h)anthracene	4500	U	4500	
132-64-9	Dibenzofuran	**7700**		4500	
84-66-2	Diethyl Phthalate	4500	U	4500	
131-11-3	Dimethyl Phthalate	4500	U	4500	
206-44-0	Fluoranthene	**22000**		4500	
86-73-7	Fluorene	**14000**		4500	
118-74-1	Hexachlorobenzene	4500	U	4500	
87-68-3	Hexachlorobutadiene	4500	U	4500	
77-47-4	Hexachlorocyclopentadiene	4500	U	4500	
67-72-1	Hexachloroethane	4500	U	4500	
193-39-5	Indeno(1,2,3-cd)pyrene	4500	U	4500	
78-59-1	Isophorone	4500	U	4500	
621-64-7	N-Nitrosodi-n-propylamine	4500	U	4500	
86-30-6	N-Nitrosodiphenylamine	4500	U	4500	
91-20-3	Naphthalene	**14000**		4500	
98-95-3	Nitrobenzene	4500	U	4500	
87-86-5	Pentachlorophenol (PCP)	23000	U	23000	
85-01-8	Phenanthrene	**41000**		4500	
108-95-2	Phenol	4500	U	4500	
129-00-0	Pyrene	**16000**		4500	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1726
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/10/12 16:34
Sample Name:	B-13@6	**Units:**	Percent
Lab Code:	R1206714-002	**Basis:**	Dry
		Percent Solids:	72.9

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313443
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\101012\AL956.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	10

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	78	41-151	10/10/12 16:34	
2-Fluorobiphenyl	73	49-115	10/10/12 16:34	
2-Fluorophenol	53	22-117	10/10/12 16:34	
Nitrobenzene-d5	67	40-112	10/10/12 16:34	
Phenol-d6	60	10-145	10/10/12 16:34	
Terphenyl-d14	65	38-137	10/10/12 16:34	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1726
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/5/12
		Date Analyzed:	10/11/12 17:32
Sample Name:	B-13@6	**Units:**	µg/Kg
Lab Code:	R1206714-002	**Basis:**	Dry
		Percent Solids:	72.9

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	313588
Prep Method:	EPA 3541	**Extraction Lot:**	168632
Data File Name:	I:\ACQUDATA\6890G\DATA\101112\AS862.D\	**Instrument Name:**	R-GC-58
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	45	U	45	
11104-28-2	Aroclor 1221	92	U	92	
11141-16-5	Aroclor 1232	45	U	45	
53469-21-9	Aroclor 1242	45	U	45	
12672-29-6	Aroclor 1248	45	U	45	
11097-69-1	Aroclor 1254	45	U	45	
11096-82-5	Aroclor 1260	45	U	45	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	78	22-150	10/11/12 17:32	
Tetrachloro-m-xylene	64	10-126	10/11/12 17:32	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1733
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
Sample Name:	B-25@6		
Lab Code:	R1206714-003	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**82.0**		Percent	1.0	1	NA	10/5/12 19:57	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1733
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Analyzed:	10/9/12 20:43
Sample Name:	B-25@6	**Units:**	µg/Kg
Lab Code:	R1206714-003	**Basis:**	Dry
		Percent Solids:	82.0

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313036
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\100912\K0780.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	6.1	U	6.1	
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U	6.1	
79-00-5	1,1,2-Trichloroethane	6.1	U	6.1	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.1	U	6.1	
75-34-3	1,1-Dichloroethane (1,1-DCA)	6.1	U	6.1	
75-35-4	1,1-Dichloroethene (1,1-DCE)	6.1	U	6.1	
120-82-1	1,2,4-Trichlorobenzene	6.1	U	6.1	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	6.1	U	6.1	
106-93-4	1,2-Dibromoethane	6.1	U	6.1	
95-50-1	1,2-Dichlorobenzene	6.1	U	6.1	
107-06-2	1,2-Dichloroethane	6.1	U	6.1	
78-87-5	1,2-Dichloropropane	6.1	U	6.1	
541-73-1	1,3-Dichlorobenzene	6.1	U	6.1	
106-46-7	1,4-Dichlorobenzene	6.1	U	6.1	
78-93-3	2-Butanone (MEK)	**10**		6.1	
591-78-6	2-Hexanone	6.1	U	6.1	
108-10-1	4-Methyl-2-pentanone	6.1	U	6.1	
67-64-1	Acetone	**49**		6.1	
71-43-2	Benzene	6.1	U	6.1	
75-27-4	Bromodichloromethane	6.1	U	6.1	
75-25-2	Bromoform	6.1	U	6.1	
74-83-9	Bromomethane	6.1	U	6.1	
75-15-0	Carbon Disulfide	6.1	U	6.1	
56-23-5	Carbon Tetrachloride	6.1	U	6.1	
108-90-7	Chlorobenzene	6.1	U	6.1	
75-00-3	Chloroethane	6.1	U	6.1	
67-66-3	Chloroform	6.1	U	6.1	
74-87-3	Chloromethane	6.1	U	6.1	
110-82-7	Cyclohexane	6.1	U	6.1	
124-48-1	Dibromochloromethane	6.1	U	6.1	
75-71-8	Dichlorodifluoromethane (CFC 12)	6.1	U	6.1	
75-09-2	Dichloromethane	6.1	U	6.1	
100-41-4	Ethylbenzene	6.1	U	6.1	
98-82-8	Isopropylbenzene (Cumene)	6.1	U	6.1	
79-20-9	Methyl Acetate	6.1	U	6.1	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1733
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Analyzed:	10/9/12 20:43
Sample Name:	B-25@6	**Units:**	µg/Kg
Lab Code:	R1206714-003	**Basis:**	Dry
		Percent Solids:	82.0

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313036
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\100912\K0780.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
1634-04-4	Methyl tert-Butyl Ether	6.1	U	6.1	
108-87-2	Methylcyclohexane	6.1	U	6.1	
100-42-5	Styrene	6.1	U	6.1	
127-18-4	Tetrachloroethene (PCE)	6.1	U	6.1	
108-88-3	Toluene	6.1	U	6.1	
79-01-6	Trichloroethene (TCE)	6.1	U	6.1	
75-69-4	Trichlorofluoromethane (CFC 11)	6.1	U	6.1	
75-01-4	Vinyl Chloride	6.1	U	6.1	
156-59-2	cis-1,2-Dichloroethene	6.1	U	6.1	
10061-01-5	cis-1,3-Dichloropropene	6.1	U	6.1	
179601-23-1	m,p-Xylenes	12	U	12	
95-47-6	o-Xylene	6.1	U	6.1	
156-60-5	trans-1,2-Dichloroethene	6.1	U	6.1	
10061-02-6	trans-1,3-Dichloropropene	6.1	U	6.1	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	28-150	10/9/12 20:43	
Dibromofluoromethane	98	63-138	10/9/12 20:43	
Toluene-d8	102	66-138	10/9/12 20:43	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1733
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/10/12 15:57
Sample Name:	B-25@6	**Units:**	µg/Kg
Lab Code:	R1206714-003	**Basis:**	Dry
		Percent Solids:	82.0

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313443
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\101012\AL954.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	400	U	400	
88-06-2	2,4,6-Trichlorophenol	400	U	400	
120-83-2	2,4-Dichlorophenol	400	U	400	
105-67-9	2,4-Dimethylphenol	400	U	400	
51-28-5	2,4-Dinitrophenol	2100	U	2100	
121-14-2	2,4-Dinitrotoluene	400	U	400	
606-20-2	2,6-Dinitrotoluene	400	U	400	
91-58-7	2-Chloronaphthalene	400	U	400	
95-57-8	2-Chlorophenol	400	U	400	
91-57-6	2-Methylnaphthalene	400	U	400	
95-48-7	2-Methylphenol	400	U	400	
88-74-4	2-Nitroaniline	2100	U	2100	
88-75-5	2-Nitrophenol	400	U	400	
91-94-1	3,3'-Dichlorobenzidine	400	U	400	
	3- and 4-Methylphenol Coelution	400	U	400	
99-09-2	3-Nitroaniline	2100	U	2100	
534-52-1	4,6-Dinitro-2-methylphenol	2100	U	2100	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	
59-50-7	4-Chloro-3-methylphenol	400	U	400	
106-47-8	4-Chloroaniline	400	U	400	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	
100-01-6	4-Nitroaniline	2100	U	2100	
100-02-7	4-Nitrophenol	2100	U	2100	
83-32-9	Acenaphthene	400	U	400	
208-96-8	Acenaphthylene	400	U	400	
98-86-2	Acetophenone	400	U	400	
120-12-7	Anthracene	400	U	400	
1912-24-9	Atrazine	400	U	400	
56-55-3	Benz(a)anthracene	400	U	400	
100-52-7	Benzaldehyde	400	U	400	
50-32-8	Benzo(a)pyrene	400	U	400	
205-99-2	Benzo(b)fluoranthene	400	U	400	
191-24-2	Benzo(g,h,i)perylene	400	U	400	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1733
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/10/12 15:57
Sample Name:	B-25@6	**Units:**	µg/Kg
Lab Code:	R1206714-003	**Basis:**	Dry
		Percent Solids:	82.0

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313443
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\101012\AL954.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
207-08-9	Benzo(k)fluoranthene	400	U	400	
92-52-4	Biphenyl	400	U	400	
108-60-1	2,2'-Oxybis(1-chloropropane)	400	U	400	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	
117-81-7	Bis(2-ethylhexyl) Phthalate	400	U	400	
85-68-7	Butyl Benzyl Phthalate	400	U	400	
105-60-2	Caprolactam	400	U	400	
86-74-8	Carbazole	400	U	400	
218-01-9	Chrysene	400	U	400	
84-74-2	Di-n-butyl Phthalate	400	U	400	
117-84-0	Di-n-octyl Phthalate	400	U	400	
53-70-3	Dibenz(a,h)anthracene	400	U	400	
132-64-9	Dibenzofuran	400	U	400	
84-66-2	Diethyl Phthalate	400	U	400	
131-11-3	Dimethyl Phthalate	400	U	400	
206-44-0	Fluoranthene	400	U	400	
86-73-7	Fluorene	400	U	400	
118-74-1	Hexachlorobenzene	400	U	400	
87-68-3	Hexachlorobutadiene	400	U	400	
77-47-4	Hexachlorocyclopentadiene	400	U	400	
67-72-1	Hexachloroethane	400	U	400	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	
78-59-1	Isophorone	400	U	400	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	
86-30-6	N-Nitrosodiphenylamine	400	U	400	
91-20-3	Naphthalene	400	U	400	
98-95-3	Nitrobenzene	400	U	400	
87-86-5	Pentachlorophenol (PCP)	2100	U	2100	
85-01-8	Phenanthrene	400	U	400	
108-95-2	Phenol	400	U	400	
129-00-0	Pyrene	400	U	400	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1733
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/10/12 15:57
Sample Name:	B-25@6	**Units:**	Percent
Lab Code:	R1206714-003	**Basis:**	Dry
		Percent Solids:	82.0

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313443
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\101012\AL954.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	84	41-151	10/10/12 15:57	
2-Fluorobiphenyl	70	49-115	10/10/12 15:57	
2-Fluorophenol	54	22-117	10/10/12 15:57	
Nitrobenzene-d5	62	40-112	10/10/12 15:57	
Phenol-d6	62	10-145	10/10/12 15:57	
Terphenyl-d14	65	38-137	10/10/12 15:57	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1733
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/5/12
		Date Analyzed:	10/11/12 16:24
Sample Name:	B-25@6	**Units:**	µg/Kg
Lab Code:	R1206714-003	**Basis:**	Dry
		Percent Solids:	82.0

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	313588
Prep Method:	EPA 3541	**Extraction Lot:**	168632
Data File Name:	I:\ACQUDATA\6890G\DATA\101112\AS860.D\	**Instrument Name:**	R-GC-58
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	40	U	40	
11104-28-2	Aroclor 1221	82	U	82	
11141-16-5	Aroclor 1232	40	U	40	
53469-21-9	Aroclor 1242	40	U	40	
12672-29-6	Aroclor 1248	40	U	40	
11097-69-1	Aroclor 1254	40	U	40	
11096-82-5	Aroclor 1260	40	U	40	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	88	22-150	10/11/12 16:24	
Tetrachloro-m-xylene	82	10-126	10/11/12 16:24	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1740
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
Sample Name:	B-24@6.5		
Lab Code:	R1206714-004	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**82.6**		Percent	1.0	1	NA	10/5/12 19:57	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1740
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Analyzed:	10/9/12 21:21
Sample Name:	B-24@6.5	**Units:**	µg/Kg
Lab Code:	R1206714-004	**Basis:**	Dry
		Percent Solids:	82.6

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313036
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\100912\K0781.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	6.1	U	6.1	
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U	6.1	
79-00-5	1,1,2-Trichloroethane	6.1	U	6.1	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.1	U	6.1	
75-34-3	1,1-Dichloroethane (1,1-DCA)	6.1	U	6.1	
75-35-4	1,1-Dichloroethene (1,1-DCE)	6.1	U	6.1	
120-82-1	1,2,4-Trichlorobenzene	6.1	U	6.1	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	6.1	U	6.1	
106-93-4	1,2-Dibromoethane	6.1	U	6.1	
95-50-1	1,2-Dichlorobenzene	6.1	U	6.1	
107-06-2	1,2-Dichloroethane	6.1	U	6.1	
78-87-5	1,2-Dichloropropane	6.1	U	6.1	
541-73-1	1,3-Dichlorobenzene	6.1	U	6.1	
106-46-7	1,4-Dichlorobenzene	6.1	U	6.1	
78-93-3	2-Butanone (MEK)	**20**		6.1	
591-78-6	2-Hexanone	6.1	U	6.1	
108-10-1	4-Methyl-2-pentanone	6.1	U	6.1	
67-64-1	Acetone	**73**		6.1	
71-43-2	Benzene	6.1	U	6.1	
75-27-4	Bromodichloromethane	6.1	U	6.1	
75-25-2	Bromoform	6.1	U	6.1	
74-83-9	Bromomethane	6.1	U	6.1	
75-15-0	Carbon Disulfide	6.1	U	6.1	
56-23-5	Carbon Tetrachloride	6.1	U	6.1	
108-90-7	Chlorobenzene	6.1	U	6.1	
75-00-3	Chloroethane	6.1	U	6.1	
67-66-3	Chloroform	6.1	U	6.1	
74-87-3	Chloromethane	6.1	U	6.1	
110-82-7	Cyclohexane	6.1	U	6.1	
124-48-1	Dibromochloromethane	6.1	U	6.1	
75-71-8	Dichlorodifluoromethane (CFC 12)	6.1	U	6.1	
75-09-2	Dichloromethane	6.1	U	6.1	
100-41-4	Ethylbenzene	6.1	U	6.1	
98-82-8	Isopropylbenzene (Cumene)	6.1	U	6.1	
79-20-9	Methyl Acetate	6.1	U	6.1	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1740
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Analyzed:	10/9/12 21:21
Sample Name:	B-24@6.5	**Units:**	µg/Kg
Lab Code:	R1206714-004	**Basis:**	Dry
		Percent Solids:	82.6

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313036
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\100912\K0781.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
1634-04-4	Methyl tert-Butyl Ether	6.1	U	6.1	
108-87-2	Methylcyclohexane	6.1	U	6.1	
100-42-5	Styrene	6.1	U	6.1	
127-18-4	Tetrachloroethene (PCE)	6.1	U	6.1	
108-88-3	Toluene	6.1	U	6.1	
79-01-6	Trichloroethene (TCE)	6.1	U	6.1	
75-69-4	Trichlorofluoromethane (CFC 11)	6.1	U	6.1	
75-01-4	Vinyl Chloride	6.1	U	6.1	
156-59-2	cis-1,2-Dichloroethene	6.1	U	6.1	
10061-01-5	cis-1,3-Dichloropropene	6.1	U	6.1	
179601-23-1	m,p-Xylenes	12	U	12	
95-47-6	o-Xylene	6.1	U	6.1	
156-60-5	trans-1,2-Dichloroethene	6.1	U	6.1	
10061-02-6	trans-1,3-Dichloropropene	6.1	U	6.1	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	90	28-150	10/9/12 21:21	
Dibromofluoromethane	97	63-138	10/9/12 21:21	
Toluene-d8	105	66-138	10/9/12 21:21	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1740
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/10/12 12:54
Sample Name:	B-24@6.5	**Units:**	µg/Kg
Lab Code:	R1206714-004	**Basis:**	Dry
		Percent Solids:	82.6

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313443
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\101012\AL948.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	400	U	400	
88-06-2	2,4,6-Trichlorophenol	400	U	400	
120-83-2	2,4-Dichlorophenol	400	U	400	
105-67-9	2,4-Dimethylphenol	400	U	400	
51-28-5	2,4-Dinitrophenol	2100	U	2100	
121-14-2	2,4-Dinitrotoluene	400	U	400	
606-20-2	2,6-Dinitrotoluene	400	U	400	
91-58-7	2-Chloronaphthalene	400	U	400	
95-57-8	2-Chlorophenol	400	U	400	
91-57-6	2-Methylnaphthalene	400	U	400	
95-48-7	2-Methylphenol	400	U	400	
88-74-4	2-Nitroaniline	2100	U	2100	
88-75-5	2-Nitrophenol	400	U	400	
91-94-1	3,3'-Dichlorobenzidine	400	U	400	
	3- and 4-Methylphenol Coelution	400	U	400	
99-09-2	3-Nitroaniline	2100	U	2100	
534-52-1	4,6-Dinitro-2-methylphenol	2100	U	2100	
101-55-3	4-Bromophenyl Phenyl Ether	400	U	400	
59-50-7	4-Chloro-3-methylphenol	400	U	400	
106-47-8	4-Chloroaniline	400	U	400	
7005-72-3	4-Chlorophenyl Phenyl Ether	400	U	400	
100-01-6	4-Nitroaniline	2100	U	2100	
100-02-7	4-Nitrophenol	2100	U	2100	
83-32-9	Acenaphthene	400	U	400	
208-96-8	Acenaphthylene	400	U	400	
98-86-2	Acetophenone	400	U	400	
120-12-7	Anthracene	400	U	400	
1912-24-9	Atrazine	400	U	400	
56-55-3	Benz(a)anthracene	400	U	400	
100-52-7	Benzaldehyde	400	U	400	
50-32-8	Benzo(a)pyrene	400	U	400	
205-99-2	Benzo(b)fluoranthene	400	U	400	
191-24-2	Benzo(g,h,i)perylene	400	U	400	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1740
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/10/12 12:54
Sample Name:	B-24@6.5	**Units:**	µg/Kg
Lab Code:	R1206714-004	**Basis:**	Dry
		Percent Solids:	82.6

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313443
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\101012\AL948.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
207-08-9	Benzo(k)fluoranthene	400	U	400	
92-52-4	Biphenyl	400	U	400	
108-60-1	2,2'-Oxybis(1-chloropropane)	400	U	400	
111-91-1	Bis(2-chloroethoxy)methane	400	U	400	
111-44-4	Bis(2-chloroethyl) Ether	400	U	400	
117-81-7	Bis(2-ethylhexyl) Phthalate	400	U	400	
85-68-7	Butyl Benzyl Phthalate	400	U	400	
105-60-2	Caprolactam	400	U	400	
86-74-8	Carbazole	400	U	400	
218-01-9	Chrysene	400	U	400	
84-74-2	Di-n-butyl Phthalate	400	U	400	
117-84-0	Di-n-octyl Phthalate	400	U	400	
53-70-3	Dibenz(a,h)anthracene	400	U	400	
132-64-9	Dibenzofuran	400	U	400	
84-66-2	Diethyl Phthalate	400	U	400	
131-11-3	Dimethyl Phthalate	400	U	400	
206-44-0	Fluoranthene	400	U	400	
86-73-7	Fluorene	400	U	400	
118-74-1	Hexachlorobenzene	400	U	400	
87-68-3	Hexachlorobutadiene	400	U	400	
77-47-4	Hexachlorocyclopentadiene	400	U	400	
67-72-1	Hexachloroethane	400	U	400	
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	400	
78-59-1	Isophorone	400	U	400	
621-64-7	N-Nitrosodi-n-propylamine	400	U	400	
86-30-6	N-Nitrosodiphenylamine	400	U	400	
91-20-3	Naphthalene	400	U	400	
98-95-3	Nitrobenzene	400	U	400	
87-86-5	Pentachlorophenol (PCP)	2100	U	2100	
85-01-8	Phenanthrene	400	U	400	
108-95-2	Phenol	400	U	400	
129-00-0	Pyrene	400	U	400	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1740
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/10/12 12:54
Sample Name:	B-24@6.5	**Units:**	Percent
Lab Code:	R1206714-004	**Basis:**	Dry
		Percent Solids:	82.6

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313443
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\101012\AL948.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	87	41-151	10/10/12 12:54	
2-Fluorobiphenyl	71	49-115	10/10/12 12:54	
2-Fluorophenol	56	22-117	10/10/12 12:54	
Nitrobenzene-d5	63	40-112	10/10/12 12:54	
Phenol-d6	61	10-145	10/10/12 12:54	
Terphenyl-d14	71	38-137	10/10/12 12:54	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1740
Sample Matrix:	Soil	**Date Received:**	10/ 5/12
		Date Extracted:	10/5/12
		Date Analyzed:	10/11/12 16:58
Sample Name:	B-24@6.5	**Units:**	µg/Kg
Lab Code:	R1206714-004	**Basis:**	Dry
		Percent Solids:	82.6

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	313588
Prep Method:	EPA 3541	**Extraction Lot:**	168632
Data File Name:	I:\ACQUDATA\6890G\DATA\101112\AS861.D\	**Instrument Name:**	R-GC-58
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	40	U	40	
11104-28-2	Aroclor 1221	81	U	81	
11141-16-5	Aroclor 1232	40	U	40	
53469-21-9	Aroclor 1242	40	U	40	
12672-29-6	Aroclor 1248	40	U	40	
11097-69-1	Aroclor 1254	40	U	40	
11096-82-5	Aroclor 1260	40	U	40	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	85	22-150	10/11/12 16:58	
Tetrachloro-m-xylene	64	10-126	10/11/12 16:58	

Client: Seeler Engineering, PC
Project: Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206714
Date Collected: 10/ 4/12 1750
Date Received: 10/ 5/12
Date Analyzed: 10/10/12 10:38

Sample Name: WB-22
Lab Code: R1206714-005

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
Data File Name: I:\ACQUDATA\MSVOA8\DATA\101012\A0094.D\

Analysis Lot: 313183
Instrument Name: R-MS-08
Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	**5.2**		5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1750
Sample Matrix:	Water	**Date Received:**	10/ 5/12
		Date Analyzed:	10/10/12 10:38
Sample Name:	WB-22	**Units:**	µg/L
Lab Code:	R1206714-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313183
Data File Name:	I:\ACQUDATA\MSVOA8\DATA\101012\A0094.D\	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
1634-04-4	Methyl tert-Butyl Ether	**4.2**		1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85-122	10/10/12 10:38	
Dibromofluoromethane	98	89-119	10/10/12 10:38	
Toluene-d8	98	87-121	10/10/12 10:38	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1750
Sample Matrix:	Water	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 13:09
Sample Name:	WB-22	**Units:**	µg/L
Lab Code:	R1206714-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3510C	**Extraction Lot:**	168682
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL923.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	10	U	10	
88-06-2	2,4,6-Trichlorophenol	10	U	10	
120-83-2	2,4-Dichlorophenol	10	U	10	
105-67-9	2,4-Dimethylphenol	10	U	10	
51-28-5	2,4-Dinitrophenol	50	U	50	
121-14-2	2,4-Dinitrotoluene	10	U	10	
606-20-2	2,6-Dinitrotoluene	10	U	10	
91-58-7	2-Chloronaphthalene	10	U	10	
95-57-8	2-Chlorophenol	10	U	10	
91-57-6	2-Methylnaphthalene	10	U	10	
95-48-7	2-Methylphenol	10	U	10	
88-74-4	2-Nitroaniline	50	U	50	
88-75-5	2-Nitrophenol	10	U	10	
91-94-1	3,3'-Dichlorobenzidine	10	U	10	
	3- and 4-Methylphenol Coelution	10	U	10	
99-09-2	3-Nitroaniline	50	U	50	
534-52-1	4,6-Dinitro-2-methylphenol	50	U	50	
101-55-3	4-Bromophenyl Phenyl Ether	10	U	10	
59-50-7	4-Chloro-3-methylphenol	10	U	10	
106-47-8	4-Chloroaniline	10	U	10	
7005-72-3	4-Chlorophenyl Phenyl Ether	10	U	10	
100-01-6	4-Nitroaniline	50	U	50	
100-02-7	4-Nitrophenol	50	U	50	
83-32-9	Acenaphthene	10	U	10	
208-96-8	Acenaphthylene	10	U	10	
98-86-2	Acetophenone	10	U	10	
120-12-7	Anthracene	10	U	10	
1912-24-9	Atrazine	10	U	10	
56-55-3	Benz(a)anthracene	10	U	10	
100-52-7	Benzaldehyde	10	U	10	
50-32-8	Benzo(a)pyrene	10	U	10	
205-99-2	Benzo(b)fluoranthene	10	U	10	
191-24-2	Benzo(g,h,i)perylene	10	U	10	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1750
Sample Matrix:	Water	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 13:09
Sample Name:	WB-22	**Units:**	µg/L
Lab Code:	R1206714-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3510C	**Extraction Lot:**	168682
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL923.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
207-08-9	Benzo(k)fluoranthene	10	U	10	
92-52-4	Biphenyl	10	U	10	
108-60-1	2,2'-Oxybis(1-chloropropane)	10	U	10	
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	
111-44-4	Bis(2-chloroethyl) Ether	10	U	10	
117-81-7	Bis(2-ethylhexyl) Phthalate	10	U	10	
85-68-7	Butyl Benzyl Phthalate	10	U	10	
105-60-2	Caprolactam	10	U	10	
86-74-8	Carbazole	10	U	10	
218-01-9	Chrysene	10	U	10	
84-74-2	Di-n-butyl Phthalate	10	U	10	
117-84-0	Di-n-octyl Phthalate	10	U	10	
53-70-3	Dibenz(a,h)anthracene	10	U	10	
132-64-9	Dibenzofuran	10	U	10	
84-66-2	Diethyl Phthalate	10	U	10	
131-11-3	Dimethyl Phthalate	10	U	10	
206-44-0	Fluoranthene	10	U	10	
86-73-7	Fluorene	10	U	10	
118-74-1	Hexachlorobenzene	10	U	10	
87-68-3	Hexachlorobutadiene	10	U	10	
77-47-4	Hexachlorocyclopentadiene	10	U	10	
67-72-1	Hexachloroethane	10	U	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	10	
78-59-1	Isophorone	10	U	10	
621-64-7	N-Nitrosodi-n-propylamine	10	U	10	
86-30-6	N-Nitrosodiphenylamine	10	U	10	
91-20-3	Naphthalene	10	U	10	
98-95-3	Nitrobenzene	10	U	10	
87-86-5	Pentachlorophenol (PCP)	50	U	50	
85-01-8	Phenanthrene	10	U	10	
108-95-2	Phenol	10	U	10	
129-00-0	Pyrene	10	U	10	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1750
Sample Matrix:	Water	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 13:09
Sample Name:	WB-22	**Units:**	Percent
Lab Code:	R1206714-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3510C	**Extraction Lot:**	168682
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL923.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	94	28-157	10/9/12 13:09	
2-Fluorobiphenyl	72	39-119	10/9/12 13:09	
2-Fluorophenol	41	10-105	10/9/12 13:09	
Nitrobenzene-d5	69	37-117	10/9/12 13:09	
Phenol-d6	30	10-107	10/9/12 13:09	
Terphenyl-d14	81	40-133	10/9/12 13:09	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1750
Sample Matrix:	Water	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/11/12 12:25
Sample Name:	WB-22	**Units:**	µg/L
Lab Code:	R1206714-005	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	313588
Prep Method:	EPA 3510C	**Extraction Lot:**	168680
Data File Name:	I:\ACQUDATA\6890G\DATA\101112\AS853.D\	**Instrument Name:**	R-GC-58
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	1.0	U	1.0	
11104-28-2	Aroclor 1221	2.0	U	2.0	
11141-16-5	Aroclor 1232	1.0	U	1.0	
53469-21-9	Aroclor 1242	1.0	U	1.0	
12672-29-6	Aroclor 1248	1.0	U	1.0	
11097-69-1	Aroclor 1254	1.0	U	1.0	
11096-82-5	Aroclor 1260	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	53	10-124	10/11/12 12:25	
Tetrachloro-m-xylene	79	11-131	10/11/12 12:25	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1805
Sample Matrix:	Water	**Date Received:**	10/ 5/12
		Date Analyzed:	10/10/12 11:06
Sample Name:	WB-13	**Units:**	µg/L
Lab Code:	R1206714-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313183
Data File Name:	I:\ACQUDATA\MSVOA8\DATA\101012\A0095.D\	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	**12**		5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	**3.3**		1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1805
Sample Matrix:	Water	**Date Received:**	10/ 5/12
		Date Analyzed:	10/10/12 11:06
Sample Name:	WB-13	**Units:**	µg/L
Lab Code:	R1206714-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313183
Data File Name:	I:\ACQUDATA\MSVOA8\DATA\101012\A0095.D\	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
1634-04-4	Methyl tert-Butyl Ether	**2.8**		1.0	
108-87-2	Methylcyclohexane	**1.0**		1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	**13**		2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85-122	10/10/12 11:06	
Dibromofluoromethane	101	89-119	10/10/12 11:06	
Toluene-d8	98	87-121	10/10/12 11:06	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1805
Sample Matrix:	Water	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 19:16
Sample Name:	WB-13	**Units:**	µg/L
Lab Code:	R1206714-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3510C	**Extraction Lot:**	168682
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL933.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	13	U	13	
88-06-2	2,4,6-Trichlorophenol	13	U	13	
120-83-2	2,4-Dichlorophenol	13	U	13	
105-67-9	2,4-Dimethylphenol	13	U	13	
51-28-5	2,4-Dinitrophenol	63	U	63	
121-14-2	2,4-Dinitrotoluene	13	U	13	
606-20-2	2,6-Dinitrotoluene	13	U	13	
91-58-7	2-Chloronaphthalene	13	U	13	
95-57-8	2-Chlorophenol	13	U	13	
91-57-6	2-Methylnaphthalene	**22**		13	
95-48-7	2-Methylphenol	13	U	13	
88-74-4	2-Nitroaniline	63	U	63	
88-75-5	2-Nitrophenol	13	U	13	
91-94-1	3,3'-Dichlorobenzidine	13	U	13	
	3- and 4-Methylphenol Coelution	13	U	13	
99-09-2	3-Nitroaniline	63	U	63	
534-52-1	4,6-Dinitro-2-methylphenol	63	U	63	
101-55-3	4-Bromophenyl Phenyl Ether	13	U	13	
59-50-7	4-Chloro-3-methylphenol	13	U	13	
106-47-8	4-Chloroaniline	13	U	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	13	U	13	
100-01-6	4-Nitroaniline	63	U	63	
100-02-7	4-Nitrophenol	63	U	63	
83-32-9	Acenaphthene	13	U	13	
208-96-8	Acenaphthylene	13	U	13	
98-86-2	Acetophenone	13	U	13	
120-12-7	Anthracene	13	U	13	
1912-24-9	Atrazine	13	U	13	
56-55-3	Benz(a)anthracene	13	U	13	
100-52-7	Benzaldehyde	13	U	13	
50-32-8	Benzo(a)pyrene	13	U	13	
205-99-2	Benzo(b)fluoranthene	13	U	13	
191-24-2	Benzo(g,h,i)perylene	13	U	13	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1805
Sample Matrix:	Water	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 19:16
Sample Name:	WB-13	**Units:**	µg/L
Lab Code:	R1206714-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3510C	**Extraction Lot:**	168682
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL933.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
207-08-9	Benzo(k)fluoranthene	13	U	13	
92-52-4	Biphenyl	13	U	13	
108-60-1	2,2'-Oxybis(1-chloropropane)	13	U	13	
111-91-1	Bis(2-chloroethoxy)methane	13	U	13	
111-44-4	Bis(2-chloroethyl) Ether	13	U	13	
117-81-7	Bis(2-ethylhexyl) Phthalate	13	U	13	
85-68-7	Butyl Benzyl Phthalate	13	U	13	
105-60-2	Caprolactam	13	U	13	
86-74-8	Carbazole	13	U	13	
218-01-9	Chrysene	13	U	13	
84-74-2	Di-n-butyl Phthalate	13	U	13	
117-84-0	Di-n-octyl Phthalate	13	U	13	
53-70-3	Dibenz(a,h)anthracene	13	U	13	
132-64-9	Dibenzofuran	13	U	13	
84-66-2	Diethyl Phthalate	13	U	13	
131-11-3	Dimethyl Phthalate	13	U	13	
206-44-0	Fluoranthene	13	U	13	
86-73-7	Fluorene	13	U	13	
118-74-1	Hexachlorobenzene	13	U	13	
87-68-3	Hexachlorobutadiene	13	U	13	
77-47-4	Hexachlorocyclopentadiene	13	U	13	
67-72-1	Hexachloroethane	13	U	13	
193-39-5	Indeno(1,2,3-cd)pyrene	13	U	13	
78-59-1	Isophorone	13	U	13	
621-64-7	N-Nitrosodi-n-propylamine	13	U	13	
86-30-6	N-Nitrosodiphenylamine	13	U	13	
91-20-3	Naphthalene	33		13	
98-95-3	Nitrobenzene	13	U	13	
87-86-5	Pentachlorophenol (PCP)	63	U	63	
85-01-8	Phenanthrene	13	U	13	
108-95-2	Phenol	13	U	13	
129-00-0	Pyrene	13	U	13	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1805
Sample Matrix:	Water	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 19:16
Sample Name:	WB-13	**Units:**	Percent
Lab Code:	R1206714-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3510C	**Extraction Lot:**	168682
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL933.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	83		28-157	10/9/12 19:16	
2-Fluorobiphenyl	58		39-119	10/9/12 19:16	
2-Fluorophenol	41		10-105	10/9/12 19:16	
Nitrobenzene-d5	66		37-117	10/9/12 19:16	
Phenol-d6	32		10-107	10/9/12 19:16	
Terphenyl-d14	33	*	40-133	10/9/12 19:16	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1805
Sample Matrix:	Water	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/10/12 17:11
Sample Name:	WB-13	**Units:**	µg/L
Lab Code:	R1206714-006	**Basis:**	NA
Run Type:	Reanalysis		

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313443
Prep Method:	EPA 3510C	**Extraction Lot:**	168682
Data File Name:	I:\ACQUDATA\5973D\DATA\101012\AL955.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	13	U	13	
88-06-2	2,4,6-Trichlorophenol	13	U	13	
120-83-2	2,4-Dichlorophenol	13	U	13	
105-67-9	2,4-Dimethylphenol	13	U	13	
51-28-5	2,4-Dinitrophenol	63	U	63	
121-14-2	2,4-Dinitrotoluene	13	U	13	
606-20-2	2,6-Dinitrotoluene	13	U	13	
91-58-7	2-Chloronaphthalene	13	U	13	
95-57-8	2-Chlorophenol	13	U	13	
91-57-6	2-Methylnaphthalene	**22**		13	
95-48-7	2-Methylphenol	13	U	13	
88-74-4	2-Nitroaniline	63	U	63	
88-75-5	2-Nitrophenol	13	U	13	
91-94-1	3,3'-Dichlorobenzidine	13	U	13	
	3- and 4-Methylphenol Coelution	13	U	13	
99-09-2	3-Nitroaniline	63	U	63	
534-52-1	4,6-Dinitro-2-methylphenol	63	U	63	
101-55-3	4-Bromophenyl Phenyl Ether	13	U	13	
59-50-7	4-Chloro-3-methylphenol	13	U	13	
106-47-8	4-Chloroaniline	13	U	13	
7005-72-3	4-Chlorophenyl Phenyl Ether	13	U	13	
100-01-6	4-Nitroaniline	63	U	63	
100-02-7	4-Nitrophenol	63	U	63	
83-32-9	Acenaphthene	13	U	13	
208-96-8	Acenaphthylene	13	U	13	
98-86-2	Acetophenone	13	U	13	
120-12-7	Anthracene	13	U	13	
1912-24-9	Atrazine	13	U	13	
56-55-3	Benz(a)anthracene	13	U	13	
100-52-7	Benzaldehyde	13	U	13	
50-32-8	Benzo(a)pyrene	13	U	13	
205-99-2	Benzo(b)fluoranthene	13	U	13	
191-24-2	Benzo(g,h,i)perylene	13	U	13	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1805
Sample Matrix:	Water	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/10/12 17:11
Sample Name:	WB-13	**Units:**	µg/L
Lab Code:	R1206714-006	**Basis:**	NA
Run Type:	Reanalysis		

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313443
Prep Method:	EPA 3510C	**Extraction Lot:**	168682
Data File Name:	I:\ACQUDATA\5973D\DATA\101012\AL955.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
207-08-9	Benzo(k)fluoranthene	13	U	13	
92-52-4	Biphenyl	13	U	13	
108-60-1	2,2'-Oxybis(1-chloropropane)	13	U	13	
111-91-1	Bis(2-chloroethoxy)methane	13	U	13	
111-44-4	Bis(2-chloroethyl) Ether	13	U	13	
117-81-7	Bis(2-ethylhexyl) Phthalate	13	U	13	
85-68-7	Butyl Benzyl Phthalate	13	U	13	
105-60-2	Caprolactam	13	U	13	
86-74-8	Carbazole	13	U	13	
218-01-9	Chrysene	13	U	13	
84-74-2	Di-n-butyl Phthalate	13	U	13	
117-84-0	Di-n-octyl Phthalate	13	U	13	
53-70-3	Dibenz(a,h)anthracene	13	U	13	
132-64-9	Dibenzofuran	13	U	13	
84-66-2	Diethyl Phthalate	13	U	13	
131-11-3	Dimethyl Phthalate	13	U	13	
206-44-0	Fluoranthene	13	U	13	
86-73-7	Fluorene	13	U	13	
118-74-1	Hexachlorobenzene	13	U	13	
87-68-3	Hexachlorobutadiene	13	U	13	
77-47-4	Hexachlorocyclopentadiene	13	U	13	
67-72-1	Hexachloroethane	13	U	13	
193-39-5	Indeno(1,2,3-cd)pyrene	13	U	13	
78-59-1	Isophorone	13	U	13	
621-64-7	N-Nitrosodi-n-propylamine	13	U	13	
86-30-6	N-Nitrosodiphenylamine	13	U	13	
91-20-3	Naphthalene	**33**		13	
98-95-3	Nitrobenzene	13	U	13	
87-86-5	Pentachlorophenol (PCP)	63	U	63	
85-01-8	Phenanthrene	13	U	13	
108-95-2	Phenol	13	U	13	
129-00-0	Pyrene	13	U	13	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	10/ 4/12 1805
Sample Matrix:	Water	**Date Received:**	10/ 5/12
		Date Extracted:	10/8/12
		Date Analyzed:	10/10/12 17:11
Sample Name:	WB-13	**Units:**	Percent
Lab Code:	R1206714-006	**Basis:**	NA
Run Type:	Reanalysis		

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313443
Prep Method:	EPA 3510C	**Extraction Lot:**	168682
Data File Name:	I:\ACQUDATA\5973D\DATA\101012\AL955.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	80		28-157	10/10/12 17:11	
2-Fluorobiphenyl	58		39-119	10/10/12 17:11	
2-Fluorophenol	38		10-105	10/10/12 17:11	
Nitrobenzene-d5	66		37-117	10/10/12 17:11	
Phenol-d6	31		10-107	10/10/12 17:11	
Terphenyl-d14	33	*	40-133	10/10/12 17:11	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R1206714-MB	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	1.0	U	Percent	1.0	1	NA	10/5/12 19:57	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	10/9/12 18:04
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1211919-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313036
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\100912\K0776.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	5.0	U	5.0	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	
106-93-4	1,2-Dibromoethane	5.0	U	5.0	
95-50-1	1,2-Dichlorobenzene	5.0	U	5.0	
107-06-2	1,2-Dichloroethane	5.0	U	5.0	
78-87-5	1,2-Dichloropropane	5.0	U	5.0	
541-73-1	1,3-Dichlorobenzene	5.0	U	5.0	
106-46-7	1,4-Dichlorobenzene	5.0	U	5.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	5.0	U	5.0	
75-27-4	Bromodichloromethane	5.0	U	5.0	
75-25-2	Bromoform	5.0	U	5.0	
74-83-9	Bromomethane	5.0	U	5.0	
75-15-0	Carbon Disulfide	5.0	U	5.0	
56-23-5	Carbon Tetrachloride	5.0	U	5.0	
108-90-7	Chlorobenzene	5.0	U	5.0	
75-00-3	Chloroethane	5.0	U	5.0	
67-66-3	Chloroform	5.0	U	5.0	
74-87-3	Chloromethane	5.0	U	5.0	
110-82-7	Cyclohexane	5.0	U	5.0	
124-48-1	Dibromochloromethane	5.0	U	5.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	
75-09-2	Dichloromethane	5.0	U	5.0	
100-41-4	Ethylbenzene	5.0	U	5.0	
98-82-8	Isopropylbenzene (Cumene)	5.0	U	5.0	
79-20-9	Methyl Acetate	5.0	U	5.0	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	10/9/12 18:04
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1211919-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313036
Data File Name:	I:\ACQUDATA\MSVOA7\DATA\100912\K0776.D\	**Instrument Name:**	R-MS-07
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
1634-04-4	Methyl tert-Butyl Ether	5.0	U	5.0	
108-87-2	Methylcyclohexane	5.0	U	5.0	
100-42-5	Styrene	5.0	U	5.0	
127-18-4	Tetrachloroethene (PCE)	5.0	U	5.0	
108-88-3	Toluene	5.0	U	5.0	
79-01-6	Trichloroethene (TCE)	5.0	U	5.0	
75-69-4	Trichlorofluoromethane (CFC 11)	5.0	U	5.0	
75-01-4	Vinyl Chloride	5.0	U	5.0	
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	
179601-23-1	m,p-Xylenes	10	U	10	
95-47-6	o-Xylene	5.0	U	5.0	
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	28-150	10/9/12 18:04	
Dibromofluoromethane	99	63-138	10/9/12 18:04	
Toluene-d8	101	66-138	10/9/12 18:04	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	10/10/12 10:10
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1211972-03	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313183
Data File Name:	I:\ACQUDATA\MSVOA8\DATA\101012\A0093.D\	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	
79-20-9	Methyl Acetate	2.0	U	2.0	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	10/10/12 10:10
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1211972-03	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	313183
Data File Name:	I:\ACQUDATA\MSVOA8\DATA\101012\A0093.D\	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85-122	10/10/12 10:10	
Dibromofluoromethane	97	89-119	10/10/12 10:10	
Toluene-d8	93	87-121	10/10/12 10:10	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 11:55
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1211827-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3510C	**Extraction Lot:**	168682
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL921.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	10	U	10	
88-06-2	2,4,6-Trichlorophenol	10	U	10	
120-83-2	2,4-Dichlorophenol	10	U	10	
105-67-9	2,4-Dimethylphenol	10	U	10	
51-28-5	2,4-Dinitrophenol	50	U	50	
121-14-2	2,4-Dinitrotoluene	10	U	10	
606-20-2	2,6-Dinitrotoluene	10	U	10	
91-58-7	2-Chloronaphthalene	10	U	10	
95-57-8	2-Chlorophenol	10	U	10	
91-57-6	2-Methylnaphthalene	10	U	10	
95-48-7	2-Methylphenol	10	U	10	
88-74-4	2-Nitroaniline	50	U	50	
88-75-5	2-Nitrophenol	10	U	10	
91-94-1	3,3'-Dichlorobenzidine	10	U	10	
	3- and 4-Methylphenol Coelution	10	U	10	
99-09-2	3-Nitroaniline	50	U	50	
534-52-1	4,6-Dinitro-2-methylphenol	50	U	50	
101-55-3	4-Bromophenyl Phenyl Ether	10	U	10	
59-50-7	4-Chloro-3-methylphenol	10	U	10	
106-47-8	4-Chloroaniline	10	U	10	
7005-72-3	4-Chlorophenyl Phenyl Ether	10	U	10	
100-01-6	4-Nitroaniline	50	U	50	
100-02-7	4-Nitrophenol	50	U	50	
83-32-9	Acenaphthene	10	U	10	
208-96-8	Acenaphthylene	10	U	10	
98-86-2	Acetophenone	10	U	10	
120-12-7	Anthracene	10	U	10	
1912-24-9	Atrazine	10	U	10	
56-55-3	Benz(a)anthracene	10	U	10	
100-52-7	Benzaldehyde	10	U	10	
50-32-8	Benzo(a)pyrene	10	U	10	
205-99-2	Benzo(b)fluoranthene	10	U	10	
191-24-2	Benzo(g,h,i)perylene	10	U	10	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 11:55
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1211827-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3510C	**Extraction Lot:**	168682
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL921.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
207-08-9	Benzo(k)fluoranthene	10	U	10	
92-52-4	Biphenyl	10	U	10	
108-60-1	2,2'-Oxybis(1-chloropropane)	10	U	10	
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	
111-44-4	Bis(2-chloroethyl) Ether	10	U	10	
117-81-7	Bis(2-ethylhexyl) Phthalate	10	U	10	
85-68-7	Butyl Benzyl Phthalate	10	U	10	
105-60-2	Caprolactam	10	U	10	
86-74-8	Carbazole	10	U	10	
218-01-9	Chrysene	10	U	10	
84-74-2	Di-n-butyl Phthalate	10	U	10	
117-84-0	Di-n-octyl Phthalate	10	U	10	
53-70-3	Dibenz(a,h)anthracene	10	U	10	
132-64-9	Dibenzofuran	10	U	10	
84-66-2	Diethyl Phthalate	10	U	10	
131-11-3	Dimethyl Phthalate	10	U	10	
206-44-0	Fluoranthene	10	U	10	
86-73-7	Fluorene	10	U	10	
118-74-1	Hexachlorobenzene	10	U	10	
87-68-3	Hexachlorobutadiene	10	U	10	
77-47-4	Hexachlorocyclopentadiene	10	U	10	
67-72-1	Hexachloroethane	10	U	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	10	
78-59-1	Isophorone	10	U	10	
621-64-7	N-Nitrosodi-n-propylamine	10	U	10	
86-30-6	N-Nitrosodiphenylamine	10	U	10	
91-20-3	Naphthalene	10	U	10	
98-95-3	Nitrobenzene	10	U	10	
87-86-5	Pentachlorophenol (PCP)	50	U	50	
85-01-8	Phenanthrene	10	U	10	
108-95-2	Phenol	10	U	10	
129-00-0	Pyrene	10	U	10	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 11:55
Sample Name:	Method Blank	**Units:**	Percent
Lab Code:	RQ1211827-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3510C	**Extraction Lot:**	168682
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL921.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	99	28-157	10/9/12 11:55	
2-Fluorobiphenyl	81	39-119	10/9/12 11:55	
2-Fluorophenol	46	10-105	10/9/12 11:55	
Nitrobenzene-d5	81	37-117	10/9/12 11:55	
Phenol-d6	32	10-107	10/9/12 11:55	
Terphenyl-d14	84	40-133	10/9/12 11:55	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 13:46
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1211858-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL924.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	330	U	330	
88-06-2	2,4,6-Trichlorophenol	330	U	330	
120-83-2	2,4-Dichlorophenol	330	U	330	
105-67-9	2,4-Dimethylphenol	330	U	330	
51-28-5	2,4-Dinitrophenol	1700	U	1700	
121-14-2	2,4-Dinitrotoluene	330	U	330	
606-20-2	2,6-Dinitrotoluene	330	U	330	
91-58-7	2-Chloronaphthalene	330	U	330	
95-57-8	2-Chlorophenol	330	U	330	
91-57-6	2-Methylnaphthalene	330	U	330	
95-48-7	2-Methylphenol	330	U	330	
88-74-4	2-Nitroaniline	1700	U	1700	
88-75-5	2-Nitrophenol	330	U	330	
91-94-1	3,3'-Dichlorobenzidine	330	U	330	
	3- and 4-Methylphenol Coelution	330	U	330	
99-09-2	3-Nitroaniline	1700	U	1700	
534-52-1	4,6-Dinitro-2-methylphenol	1700	U	1700	
101-55-3	4-Bromophenyl Phenyl Ether	330	U	330	
59-50-7	4-Chloro-3-methylphenol	330	U	330	
106-47-8	4-Chloroaniline	330	U	330	
7005-72-3	4-Chlorophenyl Phenyl Ether	330	U	330	
100-01-6	4-Nitroaniline	1700	U	1700	
100-02-7	4-Nitrophenol	1700	U	1700	
83-32-9	Acenaphthene	330	U	330	
208-96-8	Acenaphthylene	330	U	330	
98-86-2	Acetophenone	330	U	330	
120-12-7	Anthracene	330	U	330	
1912-24-9	Atrazine	330	U	330	
56-55-3	Benz(a)anthracene	330	U	330	
100-52-7	Benzaldehyde	330	U	330	
50-32-8	Benzo(a)pyrene	330	U	330	
205-99-2	Benzo(b)fluoranthene	330	U	330	
191-24-2	Benzo(g,h,i)perylene	330	U	330	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 13:46
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1211858-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL924.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
207-08-9	Benzo(k)fluoranthene	330	U	330	
92-52-4	Biphenyl	330	U	330	
108-60-1	2,2'-Oxybis(1-chloropropane)	330	U	330	
111-91-1	Bis(2-chloroethoxy)methane	330	U	330	
111-44-4	Bis(2-chloroethyl) Ether	330	U	330	
117-81-7	Bis(2-ethylhexyl) Phthalate	330	U	330	
85-68-7	Butyl Benzyl Phthalate	330	U	330	
105-60-2	Caprolactam	330	U	330	
86-74-8	Carbazole	330	U	330	
218-01-9	Chrysene	330	U	330	
84-74-2	Di-n-butyl Phthalate	330	U	330	
117-84-0	Di-n-octyl Phthalate	330	U	330	
53-70-3	Dibenz(a,h)anthracene	330	U	330	
132-64-9	Dibenzofuran	330	U	330	
84-66-2	Diethyl Phthalate	330	U	330	
131-11-3	Dimethyl Phthalate	330	U	330	
206-44-0	Fluoranthene	330	U	330	
86-73-7	Fluorene	330	U	330	
118-74-1	Hexachlorobenzene	330	U	330	
87-68-3	Hexachlorobutadiene	330	U	330	
77-47-4	Hexachlorocyclopentadiene	330	U	330	
67-72-1	Hexachloroethane	330	U	330	
193-39-5	Indeno(1,2,3-cd)pyrene	330	U	330	
78-59-1	Isophorone	330	U	330	
621-64-7	N-Nitrosodi-n-propylamine	330	U	330	
86-30-6	N-Nitrosodiphenylamine	330	U	330	
91-20-3	Naphthalene	330	U	330	
98-95-3	Nitrobenzene	330	U	330	
87-86-5	Pentachlorophenol (PCP)	1700	U	1700	
85-01-8	Phenanthrene	330	U	330	
108-95-2	Phenol	330	U	330	
129-00-0	Pyrene	330	U	330	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	10/8/12
		Date Analyzed:	10/9/12 13:46
Sample Name:	Method Blank	**Units:**	Percent
Lab Code:	RQ1211858-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	313245
Prep Method:	EPA 3541	**Extraction Lot:**	168490
Data File Name:	I:\ACQUDATA\5973D\DATA\100912\AL924.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	103	41-151	10/9/12 13:46	
2-Fluorobiphenyl	83	49-115	10/9/12 13:46	
2-Fluorophenol	71	22-117	10/9/12 13:46	
Nitrobenzene-d5	78	40-112	10/9/12 13:46	
Phenol-d6	76	10-145	10/9/12 13:46	
Terphenyl-d14	83	38-137	10/9/12 13:46	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	10/5/12
		Date Analyzed:	10/11/12 13:33
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1211807-04	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	313588
Prep Method:	EPA 3541	**Extraction Lot:**	168632
Data File Name:	I:\ACQUDATA\6890G\DATA\101112\AS855.D\	**Instrument Name:**	R-GC-58
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	33	U	33	
11104-28-2	Aroclor 1221	67	U	67	
11141-16-5	Aroclor 1232	33	U	33	
53469-21-9	Aroclor 1242	33	U	33	
12672-29-6	Aroclor 1248	33	U	33	
11097-69-1	Aroclor 1254	33	U	33	
11096-82-5	Aroclor 1260	33	U	33	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	113	22-150	10/11/12 13:33	
Tetrachloro-m-xylene	72	10-126	10/11/12 13:33	

Client:	Seeler Engineering, PC	**Service Request:**	R1206714
Project:	Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	10/8/12
		Date Analyzed:	10/11/12 10:43
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1211826-01	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	313588
Prep Method:	EPA 3510C	**Extraction Lot:**	168680
Data File Name:	I:\ACQUDATA\6890G\DATA\101112\AS850.D\	**Instrument Name:**	R-GC-58
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	1.0	U	1.0	
11104-28-2	Aroclor 1221	2.0	U	2.0	
11141-16-5	Aroclor 1232	1.0	U	1.0	
53469-21-9	Aroclor 1242	1.0	U	1.0	
12672-29-6	Aroclor 1248	1.0	U	1.0	
11097-69-1	Aroclor 1254	1.0	U	1.0	
11096-82-5	Aroclor 1260	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	101	10-124	10/11/12 10:43	
Tetrachloro-m-xylene	82	11-131	10/11/12 10:43	

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206714
Date Analyzed: 10/ 9/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
Basis: Dry

Analysis Lot: 313036

Lab Control Sample
RQ1211919-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	19.0	20.0	95	65 - 127
1,1,2,2-Tetrachloroethane	20.2	20.0	101	71 - 134
1,1,2-Trichloroethane	21.0	20.0	105	76 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	19.6	20.0	98	59 - 127
1,1-Dichloroethane (1,1-DCA)	21.2	20.0	106	75 - 126
1,1-Dichloroethene (1,1-DCE)	20.6	20.0	103	64 - 124
1,2,4-Trichlorobenzene	21.2	20.0	106	68 - 136
1,2-Dibromo-3-chloropropane (DBCP)	19.2	20.0	96	56 - 138
1,2-Dibromoethane	20.4	20.0	102	73 - 125
1,2-Dichlorobenzene	20.6	20.0	103	77 - 125
1,2-Dichloroethane	19.4	20.0	97	75 - 132
1,2-Dichloropropane	22.2	20.0	111	79 - 124
1,3-Dichlorobenzene	21.8	20.0	109	74 - 130
1,4-Dichlorobenzene	21.6	20.0	108	75 - 129
2-Butanone (MEK)	20.6	20.0	103	70 - 131
2-Hexanone	22.1	20.0	111	59 - 144
4-Methyl-2-pentanone	19.9	20.0	99	65 - 138
Acetone	18.8	20.0	94	55 - 143
Benzene	21.4	20.0	107	75 - 124
Bromodichloromethane	19.1	20.0	95	77 - 127
Bromoform	18.5	20.0	92	61 - 144
Bromomethane	19.5	20.0	98	46 - 133
Carbon Disulfide	21.3	20.0	107	70 - 147
Carbon Tetrachloride	19.5	20.0	98	62 - 134
Chlorobenzene	21.2	20.0	106	77 - 124
Chloroethane	19.7	20.0	99	66 - 136
Chloroform	19.3	20.0	96	75 - 126
Chloromethane	19.6	20.0	98	52 - 145
Cyclohexane	22.2	20.0	111	54 - 135
Dibromochloromethane	20.0	20.0	100	69 - 133
Dichlorodifluoromethane (CFC 12)	12.3	20.0	62	46 - 146
Dichloromethane	19.8	20.0	99	75 - 122

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Seeler Engineering, PC
Project: Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206714
Date Analyzed: 10/ 9/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
Basis: Dry

Analysis Lot: 313036

Lab Control Sample
RQ1211919-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Ethylbenzene	20.8	20.0	104	70 - 130
Isopropylbenzene (Cumene)	21.6	20.0	108	72 - 145
Methyl Acetate	19.1	20.0	96	66 - 138
Methyl tert-Butyl Ether	19.4	20.0	97	69 - 124
Methylcyclohexane	20.9	20.0	105	57 - 131
Styrene	20.5	20.0	103	71 - 127
Tetrachloroethene (PCE)	22.3	20.0	111	67 - 133
Toluene	20.6	20.0	103	72 - 127
Trichloroethene (TCE)	20.6	20.0	103	72 - 128
Trichlorofluoromethane (CFC 11)	19.6	20.0	98	62 - 138
Vinyl Chloride	18.8	20.0	94	58 - 152
cis-1,2-Dichloroethene	19.6	20.0	98	75 - 127
cis-1,3-Dichloropropene	20.0	20.0	100	73 - 120
m,p-Xylenes	43.4	40.0	108	70 - 131
o-Xylene	21.0	20.0	105	71 - 127
trans-1,2-Dichloroethene	19.1	20.0	95	69 - 125
trans-1,3-Dichloropropene	19.5	20.0	97	68 - 120

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Seeler Engineering, PC
Project: Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206714
Date Analyzed: 10/10/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 313183

Lab Control Sample
RQ1211972-04

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	19.0	20.0	95	67 - 121
1,1,2,2-Tetrachloroethane	20.1	20.0	100	72 - 124
1,1,2-Trichloroethane	20.3	20.0	101	81 - 117
1,1,2-Trichloro-1,2,2-trifluoroethane	18.8	20.0	94	60 - 122
1,1-Dichloroethane (1,1-DCA)	21.4	20.0	107	76 - 124
1,1-Dichloroethene (1,1-DCE)	21.4	20.0	107	67 - 119
1,2,4-Trichlorobenzene	19.6	20.0	98	70 - 128
1,2-Dibromo-3-chloropropane (DBCP)	19.3	20.0	97	64 - 131
1,2-Dibromoethane	20.7	20.0	103	81 - 118
1,2-Dichlorobenzene	20.4	20.0	102	80 - 119
1,2-Dichloroethane	18.6	20.0	93	72 - 130
1,2-Dichloropropane	21.8	20.0	109	83 - 119
1,3-Dichlorobenzene	20.0	20.0	100	79 - 121
1,4-Dichlorobenzene	20.6	20.0	103	79 - 119
2-Butanone (MEK)	19.6	20.0	98	60 - 133
2-Hexanone	16.8	20.0	84	61 - 131
4-Methyl-2-pentanone	16.8	20.0	84	61 - 132
Acetone	20.5	20.0	103	64 - 133
Benzene	21.1	20.0	105	78 - 118
Bromodichloromethane	20.1	20.0	100	79 - 123
Bromoform	18.9	20.0	95	69 - 126
Bromomethane	21.7	20.0	108	49 - 124
Carbon Disulfide	20.4	20.0	102	67 - 138
Carbon Tetrachloride	19.0	20.0	95	64 - 129
Chlorobenzene	20.6	20.0	103	80 - 121
Chloroethane	19.7	20.0	99	72 - 130
Chloroform	20.9	20.0	105	75 - 123
Chloromethane	20.3	20.0	102	55 - 139
Cyclohexane	20.3	20.0	102	55 - 132
Dibromochloromethane	19.9	20.0	100	78 - 127
Dichlorodifluoromethane (CFC 12)	14.8	20.0	74	45 - 147
Dichloromethane	21.3	20.0	106	73 - 122

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Seeler Engineering, PC
Project: Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206714
Date Analyzed: 10/10/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 313183

Lab Control Sample
RQ1211972-04

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Ethylbenzene	20.3	20.0	102	75 - 123
Isopropylbenzene (Cumene)	19.5	20.0	97	75 - 139
Methyl Acetate	18.6	20.0	93	65 - 131
Methyl tert-Butyl Ether	21.8	20.0	109	75 - 116
Methylcyclohexane	20.3	20.0	101	59 - 127
Styrene	21.0	20.0	105	80 - 121
Tetrachloroethene (PCE)	21.0	20.0	105	71 - 127
Toluene	20.0	20.0	100	77 - 120
Trichloroethene (TCE)	20.9	20.0	105	75 - 122
Trichlorofluoromethane (CFC 11)	19.9	20.0	99	64 - 134
Vinyl Chloride	20.1	20.0	100	68 - 139
cis-1,2-Dichloroethene	21.6	20.0	108	77 - 123
cis-1,3-Dichloropropene	20.0	20.0	100	77 - 125
m,p-Xylenes	42.4	40.0	106	77 - 124
o-Xylene	21.2	20.0	106	77 - 131
trans-1,2-Dichloroethene	22.0	20.0	110	72 - 120
trans-1,3-Dichloropropene	18.1	20.0	91	69 - 127

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206714
Date Analyzed: 10/ 9/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Units: µg/L
Basis: NA

Extraction Lot: 168682

	Lab Control Sample RQ1211827-02			Duplicate Lab Control Sample RQ1211827-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
2,4,5-Trichlorophenol	95.6	100	96	100	100	100	62 - 117	5	30
2,4,6-Trichlorophenol	97.7	100	98	98.4	100	98	62 - 115	<1	30
2,4-Dichlorophenol	94.7	100	95	95.6	100	96	62 - 109	<1	30
2,4-Dimethylphenol	86.7	100	87	88.2	100	88	28 - 100	2	30
2,4-Dinitrophenol	84.1	100	84	87.4	100	87	40 - 156	4	30
2,4-Dinitrotoluene	103	100	103	106	100	106	69 - 122	3	30
2,6-Dinitrotoluene	99.2	100	99	102	100	102	48 - 125	3	30
2-Chloronaphthalene	77.2	100	77	79.9	100	80	47 - 98	3	30
2-Chlorophenol	85.4	100	85	87.3	100	87	42 - 112	2	30
2-Methylnaphthalene	72.5	100	72	77.1	100	77	34 - 102	6	30
2-Methylphenol	83.6	100	84	83.2	100	83	51 - 95	<1	30
2-Nitroaniline	93.2	100	93	94.0	100	94	60 - 119	<1	30
2-Nitrophenol	90.1	100	90	93.2	100	93	60 - 113	3	30
3,3'-Dichlorobenzidine	86.6	100	87	84.1	100	84	44 - 114	3	30
3- and 4-Methylphenol Coelution	159	200	79	159	200	79	49 - 89	<1	30
3-Nitroaniline	79.8	100	80	78.1	100	78	49 - 110	2	30
4,6-Dinitro-2-methylphenol	95.4	100	95	99.8	100	100	65 - 141	4	30
4-Bromophenyl Phenyl Ether	96.0	100	96	100	100	100	63 - 124	5	30
4-Chloro-3-methylphenol	97.3	100	97	99.3	100	99	42 - 124	2	30
4-Chloroaniline	79.9	100	80	76.9	100	77	40 - 111	4	30
4-Chlorophenyl Phenyl Ether	93.5	100	94	95.6	100	96	59 - 112	2	30
4-Nitroaniline	93.2	100	93	95.2	100	95	61 - 122	2	30
4-Nitrophenol	48.5	100	49	48.3	100	48	10 - 126	<1	30
Acenaphthene	91.0	100	91	94.0	100	94	54 - 125	3	30
Acenaphthylene	92.3	100	92	94.7	100	95	69 - 111	3	30
Acetophenone	94.5	100	94	92.4	100	92	42 - 126	2	30
Anthracene	102	100	102	105	100	105	55 - 116	3	30
Atrazine	106	100	106	107	100	107	10 - 160	2	30
Benz(a)anthracene	102	100	102	102	100	102	66 - 110	<1	30
Benzaldehyde	189	100	189	188	100	188	46 - 200	<1	30
Benzo(a)pyrene	94.7	100	95	98.2	100	98	44 - 114	4	30
Benzo(b)fluoranthene	98.7	100	99	102	100	102	64 - 122	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206714
Date Analyzed: 10/ 9/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Units: µg/L
Basis: NA

Extraction Lot: 168682

Analyte Name	Lab Control Sample RQ1211827-02 Result	Spike Amount	% Rec	Duplicate Lab Control Sample RQ1211827-03 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Benzo(g,h,i)perylene	105	100	105	107	100	107	60 - 127	2	30
Benzo(k)fluoranthene	99.0	100	99	101	100	101	49 - 133	2	30
Biphenyl	90.1	100	90	88.3	100	88	30 - 126	2	30
2,2'-Oxybis(1-chloropropane)	98.6	100	99	101	100	101	44 - 112	2	30
Bis(2-chloroethoxy)methane	90.4	100	90	92.1	100	92	53 - 142	2	30
Bis(2-chloroethyl) Ether	86.6	100	87	88.3	100	88	56 - 106	2	30
Bis(2-ethylhexyl) Phthalate	92.9	100	93	91.8	100	92	62 - 124	1	30
Butyl Benzyl Phthalate	92.6	100	93	92.1	100	92	41 - 148	<1	30
Caprolactam	30.9	100	31	32.4	100	32	10 - 41	5	30
Carbazole	96.0	100	96	99.2	100	99	66 - 117	3	30
Chrysene	102	100	102	103	100	103	57 - 118	1	30
Di-n-butyl Phthalate	96.3	100	96	97.5	100	97	57 - 139	1	30
Di-n-octyl Phthalate	90.0	100	90	91.0	100	91	77 - 120	1	30
Dibenz(a,h)anthracene	104	100	104	107	100	107	58 - 132	3	30
Dibenzofuran	88.4	100	88	90.0	100	90	58 - 105	2	30
Diethyl Phthalate	98.0	100	98	99.2	100	99	65 - 122	1	30
Dimethyl Phthalate	97.0	100	97	99.4	100	99	69 - 115	2	30
Fluoranthene	106	100	106	108	100	108	62 - 123	2	30
Fluorene	97.8	100	98	101	100	101	60 - 112	3	30
Hexachlorobenzene	98.6	100	99	99.0	100	99	76 - 119	<1	30
Hexachlorobutadiene	62.9	100	63	64.6	100	65	16 - 95	3	30
Hexachlorocyclopentadiene	59.0	100	59	61.6	100	62	10 - 99	4	30
Hexachloroethane	58.6	100	59	62.1	100	62	15 - 92	6	30
Indeno(1,2,3-cd)pyrene	101	100	101	103	100	103	64 - 126	2	30
Isophorone	94.0	100	94	96.9	100	97	61 - 128	3	30
N-Nitrosodi-n-propylamine	93.0	100	93	94.7	100	95	51 - 119	2	30
N-Nitrosodiphenylamine	105	100	105	108	100	108	45 - 123	3	30
Naphthalene	73.9	100	74	78.2	100	78	36 - 95	6	30
Nitrobenzene	86.3	100	86	88.2	100	88	51 - 113	2	30
Pentachlorophenol (PCP)	99.2	100	99	102	100	102	56 - 146	3	30
Phenanthrene	105	100	105	108	100	108	58 - 118	3	30
Phenol	44.0	100	44	43.5	100	44	10 - 113	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206714
Date Analyzed: 10/ 9/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Units: µg/L
Basis: NA

Extraction Lot: 168682

	Lab Control Sample RQ1211827-02			Duplicate Lab Control Sample RQ1211827-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	101	100	101	102	100	102	67 - 118	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206714
Date Analyzed: 10/ 9/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 168490

	Lab Control Sample RQ1211858-02			Duplicate Lab Control Sample RQ1211858-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
2,4,5-Trichlorophenol	3200	3330	96	3210	3330	96	34 - 121	<1	30
2,4,6-Trichlorophenol	3260	3330	98	3250	3330	97	76 - 117	<1	30
2,4-Dichlorophenol	3090	3330	93	3140	3330	94	72 - 112	2	30
2,4-Dimethylphenol	2720	3330	82	2760	3330	83	41 - 106	1	30
2,4-Dinitrophenol	2090	3330	63	1370	3330	41	12 - 134	41 *	30
2,4-Dinitrotoluene	3390	3330	102	3440	3330	103	64 - 121	2	30
2,6-Dinitrotoluene	3290	3330	99	3330	3330	100	79 - 116	1	30
2-Chloronaphthalene	3070	3330	92	3080	3330	92	76 - 112	<1	30
2-Chlorophenol	2850	3330	85	2880	3330	86	31 - 123	1	30
2-Methylnaphthalene	3050	3330	91	3080	3330	92	73 - 108	1	30
2-Methylphenol	3020	3330	91	3020	3330	91	62 - 105	<1	30
2-Nitroaniline	3110	3330	93	3120	3330	93	77 - 115	<1	30
2-Nitrophenol	2960	3330	89	2980	3330	90	69 - 115	<1	30
3,3'-Dichlorobenzidine	2690	3330	81	2730	3330	82	55 - 109	2	30
3- and 4-Methylphenol Coelution	6010	6670	90	6090	6670	91	65 - 110	1	30
3-Nitroaniline	2440	3330	73	2590	3330	78	45 - 108	6	30
4,6-Dinitro-2-methylphenol	3080	3330	92	2880	3330	86	22 - 161	7	30
4-Bromophenyl Phenyl Ether	3330	3330	100	3300	3330	99	73 - 120	1	30
4-Chloro-3-methylphenol	3200	3330	96	3240	3330	97	39 - 127	1	30
4-Chloroaniline	2170	3330	65	2320	3330	70	37 - 119	6	30
4-Chlorophenyl Phenyl Ether	3220	3330	97	3260	3330	98	77 - 109	1	30
4-Nitroaniline	2960	3330	89	2860	3330	86	69 - 117	3	30
4-Nitrophenol	2850	3330	85	2780	3330	83	43 - 133	2	30
Acenaphthene	3340	3330	100	3370	3330	101	79 - 115	<1	30
Acenaphthylene	3400	3330	102	3420	3330	103	84 - 120	<1	30
Acetophenone	2980	3330	89	3010	3330	90	43 - 126	1	30
Anthracene	3430	3330	103	3390	3330	102	83 - 113	1	30
Atrazine	3440	3330	103	3470	3330	104	10 - 200	<1	30
Benz(a)anthracene	3350	3330	101	3350	3330	101	72 - 128	<1	30
Benzaldehyde	6040	3330	181	6000	3330	180	62 - 200	<1	30
Benzo(a)pyrene	3170	3330	95	3170	3330	95	66 - 127	<1	30
Benzo(b)fluoranthene	3300	3330	99	3290	3330	99	61 - 135	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206714
Date Analyzed: 10/ 9/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 168490

Analyte Name	Lab Control Sample RQ1211858-02 Result	Spike Amount	% Rec	Duplicate Lab Control Sample RQ1211858-03 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Benzo(g,h,i)perylene	3570	3330	107	3540	3330	106	74 - 124	<1	30
Benzo(k)fluoranthene	3420	3330	102	3250	3330	97	70 - 112	5	30
Biphenyl	3030	3330	91	3080	3330	92	80 - 115	2	30
2,2'-Oxybis(1-chloropropane)	3360	3330	101	3340	3330	100	49 - 117	<1	30
Bis(2-chloroethoxy)methane	2890	3330	87	2960	3330	89	52 - 131	2	30
Bis(2-chloroethyl) Ether	2700	3330	81	2700	3330	81	54 - 112	<1	30
Bis(2-ethylhexyl) Phthalate	3020	3330	90	3050	3330	91	61 - 145	1	30
Butyl Benzyl Phthalate	3010	3330	90	3070	3330	92	59 - 115	2	30
Caprolactam	3090	3330	93	2980	3330	90	64 - 121	3	30
Carbazole	3150	3330	94	3110	3330	93	66 - 111	1	30
Chrysene	3380	3330	101	3380	3330	101	63 - 136	<1	30
Di-n-butyl Phthalate	3210	3330	96	3200	3330	96	65 - 140	<1	30
Di-n-octyl Phthalate	2860	3330	86	2930	3330	88	60 - 142	2	30
Dibenz(a,h)anthracene	3500	3330	105	3500	3330	105	75 - 120	<1	30
Dibenzofuran	3160	3330	95	3120	3330	94	80 - 110	1	30
Diethyl Phthalate	3260	3330	98	3230	3330	97	65 - 115	1	30
Dimethyl Phthalate	3210	3330	96	3220	3330	97	67 - 112	<1	30
Fluoranthene	3390	3330	102	3360	3330	101	71 - 128	<1	30
Fluorene	3400	3330	102	3390	3330	102	79 - 110	<1	30
Hexachlorobenzene	3310	3330	99	3310	3330	99	68 - 115	<1	30
Hexachlorobutadiene	2940	3330	88	2910	3330	87	59 - 116	1	30
Hexachlorocyclopentadiene	2790	3330	84	2910	3330	87	10 - 155	4	30
Hexachloroethane	2710	3330	81	2670	3330	80	47 - 107	2	30
Indeno(1,2,3-cd)pyrene	3400	3330	102	3390	3330	102	76 - 121	<1	30
Isophorone	3030	3330	91	3100	3330	93	74 - 111	2	30
N-Nitrosodi-n-propylamine	3010	3330	90	3070	3330	92	66 - 113	2	30
N-Nitrosodiphenylamine	3510	3330	105	3490	3330	105	78 - 119	<1	30
Naphthalene	3040	3330	91	3030	3330	91	66 - 108	<1	30
Nitrobenzene	2870	3330	86	2870	3330	86	64 - 111	<1	30
Pentachlorophenol (PCP)	3110	3330	93	3100	3330	93	22 - 160	<1	30
Phenanthrene	3520	3330	106	3500	3330	105	81 - 115	<1	30
Phenol	2900	3330	87	2920	3330	88	60 - 112	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206714
Date Analyzed: 10/ 9/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 168490

Analyte Name	Lab Control Sample RQ1211858-02 Result	Spike Amount	% Rec	Duplicate Lab Control Sample RQ1211858-03 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Pyrene	3360	3330	101	3410	3330	102	70 - 133	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206714
Date Analyzed: 10/11/12

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 168632

	Lab Control Sample RQ1211807-05			Duplicate Lab Control Sample RQ1211807-06					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1260	151	167	90	149	167	89	58 - 129	1	30

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206714
Date Analyzed: 10/11/12

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

Units: µg/L
Basis: NA

Extraction Lot: 168680

Analyte Name	Lab Control Sample RQ1211826-02 Result	Spike Amount	% Rec	Duplicate Lab Control Sample RQ1211826-03 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Aroclor 1260	4.22	5.00	84	4.39	5.00	88	45 - 134	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 3739

ALS Environmental

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name: SPENCER RD	Project Number: 019.007
Project Manager: TIM SEELER	Report CC: MATT CZORA
Company/Address: SEELER ENGINEERING, P.C. 1151 PITTSFORD - VICTOR RD, SUITE 125 PITTSFORD, NY 14534	
Phone #: 585 - 248 - 9520	Email: MCZORA@SEELERENGINEERING.COM
Sampler's Signature:	Sampler's Printed Name: MATT CZORA

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 8/1 | 8 | | | 8

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○ 8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
B-14@6.5		10/4/12	5:20 PM	SOIL	2	X	X			X			
B-13@6		10/4/12	5:26 PM	SOIL	2	X	X			X			
B-25@6		10/4/12	5:33PM	SOIL	2	X	X			X			
B-24@6.5		10/4/12	5:40PM	SOIL	2	X	X			X			
WB-22		10/4/12	5:51 PM	WATER	7	X	X			X			
WB-13		10/4/12	6:05PM	WATER	4	X	X						

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ICE

R1206714 5
Seeler Engineering, PC
Spencer Road

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
X RUSH (SURCHARGES APPLY)
1 day 2 day 3 day
4 day X 5 day

REQUESTED REPORT DATE

REPORT REQUIREME
X I. Results Only
II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
III. Results + QC and Calibration Summaries
IV. Data Validation Report with Raw Data

Edata Yes No

BILL TO: SEELER ENGINEERING
1151 PITTSFORD-VICTOR RD
SUITE 125
PITTSFORD, NY 14534

STATE WHERE SAMPLES WERE COLLECTED

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: MATT CZORA	Printed Name: Gregory O. Esmerian	Printed Name	Printed Name	Printed Name	Printed Name
Firm: SEELER ENGINEERING	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 10/5/12 8:30 AM	Date/Time: 10-5-12 08:30	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Lab Copy; Yellow - Return to Originator

© 2012 by ALS Group

T2009

Cooler Receipt and Preservation Check Form

Project/Client Seeley Folder Number R12-6714

Cooler received on 10/5/12 by: KD **COURIER:** ALS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?	YES	(NO)			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did ~~VOA vials~~, Alkalinity, or Sulfide have significant* air bubbles?	(YES)	~~(NO)~~	N/A WB-13 (3 vials)		
5.	Were **Ice** or **Ice packs** present?	(YES)	NO			
6.	Where did the bottles originate?	(ALS/ROC),	CLIENT			
7.	Temperature of cooler(s) upon receipt:	4.2°				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 10/5/12 0833

Thermometer ID: (~~IR GUN#3~~) / IR GUN#4 Reading From: Temp Blank (~~Sample Bottle~~)

If out of Temperature, note packing/ice condition &Client Approval to Run Samples:

All Samples held in storage location ROOC by KD on 10/5/12 at 0835

5035 samples placed in storage location _____ by _____ on _____ at _____

PC Secondary Review: MKS 10/5/12

Cooler Breakdown: Date: 10/5/12 Time: 1315 by: KD

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

pH	Reagent	YES	NO	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3								
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For TCN Phenol and 522			If present, contact PM to add ascorbic acid Or sodium sulfite (522)					
	$Na_2S_2O_3$	-	-						
	Zn Aceta	-	-						
	HCl	*	*	4111100	9/13				

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 060812-14, 073012-1EE, 5-106-002

Other Comments:

PC Secondary Review: MKS 10/15/12 *significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

H:\SMODOCS\Cooler Receipt 5.doc

END OF DOCUMENT

Attachment 2

Report
Phase II Environmental Site Assessment

PathStone Corporation
400, 406 Spencer Road
And Adjoining Vacant Lot
Ithaca, New York

October, 2012

Seeler Engineering, P.C.

Seeler Engineering, P.C.

October 2, 2012

TRANSMITTED ELECTRONICALLY

Mr. Joseph Bowes
Senior Real Estate Developer
PathStone Corporation
7 Prince Street
Rochester, NY 14607

File: 019.007

Re: Report Phase II – Environmental Site Assessment
400, 406 Spencer Road and Adjoining Vacant Property

Dear Mr. Bowes:

Enclosed please find our Phase II Environmental Site Assessment report for 400, 406 Spencer Road and the adjoining vacant property.

We thank you for the opportunity to assist you. Should you have any questions please do not hesitate to contact me at (585) 248-9520 or timseeler@seelerengineering.com .

Very truly yours,
Seeler Engineering, P.C.

Tim A. Seeler, P.E.
Principal

w/enc.

1151 PITTSFORD-VICTOR ROAD · SUITE 125 · PITTSFORD, NEW YORK 14534
FAX 585-248-9532 · PHONE 585-248-9520

Report
Phase II Environmental Site Assessment

PathStone Corporation
400, 406 Spencer Road
And Adjoining Vacant Lot
Ithaca, New York

October, 2012

Prepared By
Seeler Engineering, P.C.
1151 Pittsford-Victor Road
Suite 125
Pittsford, New York 14534
585-248-9520

Contents

Section 1 Executive Summary 1

1.1 Executive Summary 1

Section 2 Introduction 3

2.1 Purpose 3

2.2 Detailed Scope of Services 3

2.3 Significant Assumptions 3

2.4 Limitations and Exceptions 3

2.5 Special Terms and Conditions 3

2.6 User Reliance 4

Section 3 Environmental Site Assessment 5

3.1 Scope of Assessment 5

3.2 Field Explorations and Methods 6

3.3 Sampling and Chemical Analysis 6

Section 4 Findings, Conclusions, and Recommendations 8

Figures

Figure 1 *Drawing No. 1 - Site Plan*

Appendices

Appendix A *Boring Logs*

Appendix B *Analytical Results Comparison Summary (Soil & Water)*

Appendix C *Analytical Results (Soil & Water)*

Section 1
Executive Summary

1.1 Executive Summary

PathStone Corporation engaged Seeler Engineering, P.C. (Seeler) to conduct a Phase II Environmental Site Assessment (ESA) at 400, 406 Spencer Road and the adjoining vacant lot in Ithaca, New York. This assessment was prepared in general accordance with the requirements of ASTM E1903-97, re-approved 2002.

The six recognized environmental concerns (RECs) that were identified in the Phase I ESA, dated September 2012 and prepared by Seeler Engineering, P.C., were assessed as a part of this Phase II ESA. The RECs were as follows:

1. The limited investigation performed in the vicinity of the former Underground Storage Tank (UST) located on 400-406 Spencer Road leaves the possibility that semi-volatile compounds related to previous petroleum use at the site may have impacted soil and water on the property.

2. The nature of construction, contents of, materials of, and uses of two structures, a dilapidated house that was reportedly constructed in 1930 on the adjoining vacant lot, and a ten foot by ten foot building reported to have existed on 406 Spencer Road could not be identified.

3. Fill material of an unknown origin exists on the vacant lot, one of the subject properties.

4. The adjoining vacant lot has a history of previously being used as a storage yard for automobiles, and photo documentation revealed empty oil drums being stored on site.

5. Underground segments of an automobile lift may still exist in the auto repair shop.

6. The surrounding commercial properties have historically been used for automotive service of some nature since the early 1970s, with several underground storage tanks reported to be present. No information is available on existence and/or condition of these USTs, and how they may impact the Target Properties.

These RECs were addressed in this Phase II ESA by installing twelve soil borings and two groundwater wells in the areas of concern noted above. Additionally a surface soil sample was collected for analysis. Nine of the soil borings showed no evidence of environmental impact but three of the borings (B-3, B-4, and B-11) were found to contain visual staining and elevated PID readings. Based upon field screening procedures soil samples were collected and analyzed from these three borings. Water samples were collected from three locations.

The analytical results for soil samples were compared to New York State Department of Environmental Conservation (NYSDEC) Soil Cleanup Objectives (SCOs) and the water samples were compared to NYSDEC Ambient Water Quality Standards and Guidance Values. This comparison identified pollutants

of concern in three boring locations, B-3 (location of former UST), B-4 (outside garage with underground lift), and B-11 (near former dilapidated house on adjoin lot). Concentrations of POCs for samples collected at B-3 and B-4, while measurable, were still below threshold levels for residential use criteria as defined by NYS DEC Soil Cleanup Objectives (SCOs). However the analytical results for samples collected at boring B-11 identified Polychlorinated biphenyls (PCBs) in excess of unrestricted, residential, and restricted residential SCOs along with m,p-Xylene and Naphthalene above NYS DEC groundwater standards.

Based upon the findings of this Phase II - Environmental Site Assessment we have determined that the historical use of the property has impacted the site. Impacted material in the location of the former UST (REC 1) and the underground automobile lift (REC 5) can be addressed during site construction without significant cost impact. The full extent of REC 2, in the area of the former dilapidated house on the adjoining vacant lot near boring B-11, could not be defined by this investigation. Further characterization is needed to better determine the nature and extent of the contamination and to facilitate a plan for addressing this issue. All other RECs identified in the Phase I (REC 3, 4, and 6), present no further environmental concern.

We recommend a supplemental Phase II in the area of B-11 to allow for additional subsurface investigation to further define the boundary of contamination, asses remedial alternatives, and develop a plan to address the issue in the area. To address the remaining site and specifically the areas in proximity to B-3 and B-4 during construction, we recommend the development and implementation of an Environmental Management Plan (EMP) for using during all construction activities on site. The EMP will be designed to assure that any unforeseen environmental conditions are identified and addressed accordingly during construction.

Section 2
Introduction

2.1 Purpose

The purpose of this Phase II ESA is to evaluate the RECs identified in the Phase I ESA, dated September 2012, for the purpose of providing sufficient information regarding the nature and extent of contamination, to assist in making informed business decisions about the property, and where applicable, providing the level of knowledge necessary to satisfy the innocent purchaser defense under CERCLA.

2.2 Detailed Scope of Services

Work conducted for the 400, 406 Spencer Road and Adjoining Vacant Lot Site included:

- Review of existing information,
- Field exploration,
- Sampling and chemical analysis,
- Evaluation of results,
- Discussion of findings, and conclusions.

Our findings are subject to modification if Seeler or any other party develops subsequent information. This report and our work are subject to the limitations presented in Section 2.4 of this report.

2.3 Significant Assumptions

No significant assumptions were made as a part of this Phase II ESA.

2.4 Limitations and Exceptions

This site assessment was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area, and Seeler Engineering, P.C. observed the degree of care and skill generally exercised by other consultants under similar circumstances and conditions. Our findings and conclusions must be considered not as scientific certainties, but rather as our professional opinion concerning the significance of the data gathered during the course of the environmental site assessment. No other warranty, express or implied, is made.

2.5 Special Terms and Conditions

The work was completed in general accordance with our proposal for services dated September 6, 2012.

2.6 User Reliance

This Phase II ESA has been prepared on behalf of and for the exclusive use by PathStone Corporation. This Report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party in whole or in part, without the prior written consent of Seeler Engineering, P.C. However, Seeler Engineering, P.C. acknowledges and agrees that the Report may be conveyed to the lender or seller associated with the site transition.

Section 3
Environmental Site Assessment

3.1 Scope of Assessment

3.1.1 Supplemental Record Review

The following supplemental records were reviewed:

- Phase 1, 400, 406 Spencer Road And Adjoining Vacant Lot, dated September 2012, by Seeler Engineering, P.C.
- Phase 2, Limited Subsurface Investigation Report - JR's Auto Repair 400-406 Spencer Road, Ithaca, NY, dated April 2006, by Buck Engineering, LLC
- Phase 1, 223 and 225 Elmira Road and 328, 332, and 402 Spencer Road, City of Ithaca, dated October 2000, by Buck Engineering, LLC

These records are maintained by Seeler Engineering, P.C. and may be made available upon request. In addition to the records above, records on file at City of Ithaca Building Department for the properties covered by this Phase II ESA were reviewed. No added information was found during this review process.

3.1.2 Conceptual Site Model and Sampling Plan

The conceptual site model takes into consideration the potential distributions of contaminants of concern with respect to the properties, behaviors and fate and transport characteristics of the contaminant in a setting such as that being assessed. The sampling plan was designed to provide for the collection of potentially impacted environmental material, if they occur, at locations and depths where the highest concentrations are likely to occur.

This conceptual site model and sampling plan were developed in general accordance with ASTM Standard D 5730: Guide to Site Characteristics for Environmental Purposes with Emphasis on Soil, Rock, the Vadose Zone and Ground Water.

Personal health and safety precautions were followed in accordance with applicable federal and state law or local equivalents and any requirements imposed by the owner, occupant, or field personnel.

The conceptual site plan and soil boring locations can be seen on Drawing No. 1.

3.1.3 Chemical Testing Plan

The chemical testing plan was designed to detect the contaminants of concern suspected to be present in the samples collected. A completed chain of custody record accompanied each sample shipment to the analytical laboratory. Chain of custody records provide written documentation

regarding sample collection and handling, identify the persons involved in the chain of sample possession, and a written record of requested analytical parameters.

3.1.4 Deviation From the Work Plan

No deviations were made from the work plan.

3.2 Field Explorations and Methods

3.2.1 Test Pits

No test pits were excavated as part of this Phase II ESA.

3.2.2 Test Borings

A total of twelve borings were installed at the approximate locations shown on Drawing No. 1. The borings were installed using a direct push geoprobe to a depth ranging from twelve to twenty feet below grade. The borings were labeled B-1 through B-12.

Soil samples were recovered at four foot intervals using a split-spoon sampler and visually classified. The soil samples were screened for VOCs using a RAE Systems MiniRAE 3000 Handheld VOC Monitor (PID). This information is included on the boring logs in Appendix A.

3.2.3 Monitoring Well Installations

Two groundwater monitoring wells were installed at boring B-4 and B-10. These monitoring wells consisted of 0.75 inch diameter PVC pipe which included a slotted screen between the depths of five feet and ten feet.

Groundwater samples were collected from the wells installed at B-4 and B-10 by the use of a 0.50 inch PVC weighted bailer. Additionally a groundwater sample was collected from B-11 where no monitoring well or slotted screen had been installed.

3.3 Sampling and Chemical Analysis

3.3.1 Relevant Requirements

The relevant requirements for soil contaminant levels are based on the following guidance:

- NYSDEC - DER-10/ Technical Guidance for Site Investigation and Remediation. Specifically Appendix 5: Allowable Constituent Levels for Imported Fill or Soil.
- Soil Cleanup Objective (SCO) tables in 6 NYCRR 375. Table 375-6.8(a) for unrestricted use and Table 375-6.8(b) for restricted use.
- Guidance for Evaluating Soil Vapor Intrusion in the State of New York dated October 2006.
- NYSDEC - Technical Memorandum (06/1998) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations

3.3.2 Soil and Groundwater Samples

The soil samples that were submitted for chemical analyses are included in the Table No. 1 below. Included in this table is a list of compounds analyzed and the corresponding analytical method. The soil samples were submitted to ALS Environmental (formerly Columbia Analytical Services, Inc.) for chemical analyses.

Table No. 1 - Samples Analyzed

Boring Location	Sample Name	Depth (Feet)	Sample Matrix	VOCs (8260)	SVOCs (8270)	PCBs (8082)	Metals (6010C)
B-3	**B-3 @ 7**	7.0	Soil	X	X	X	X
B-4	**B-4 @ 6.5**	6.5	Soil	X	X	X	X
B-11	**B-11 @ 7**	7.0	Soil	X	X	X	X
B-12	**B-12 @ 0**	0.0	Soil		X	X	X
B-4	**WB-4**	NA	Water	X	X	X	X
B-11	**WB-11**	NA	Water	X	X		
B-10	**WB-10**	NA	Water	X	X		X

Section 4
Findings, Conclusions, and Recommendations

Section 4.1 Findings

This Phase II ESA consisted of evaluating subsurface conditions by installing twelve soil borings and two groundwater wells. The boring core soil samples were examined visually, for odors, and for the presence of volatile organic chemicals (VOCs) using a photo-ionization detector (PID). Three of the borings (B-3, B-4, and B-11) were found to contain evidence of impacted material with visual staining, odors, and elevated PID measurements. Three soil samples were collected and analyzed from these three borings, along with a surface sample from boring B-12. Additionally three water samples were collected for analysis. Two water samples from B-3 and B-11, with another sample collected in B-10. The soil and water samples collected were analyzed for four groupings of chemical compounds; VOCs, Semi-VOCs, PCBs, and heavy metals.

The analytical results for soil samples were compared against NYS DEC's Soil Clean up Objectives (SCOs) and the results for the groundwater samples were compared against NYS DEC Ambient Water Quality Standards and Guidance Values. The analysis for soil sample B-12@0, and water samples WB-10 and WB-4 revealed all parameters to be non-detect. However soil samples B-3@7, B-4@6.5, and B-11@7 revealed several parameters of concern above unrestricted use, but below residential use SCOs thresholds. Groundwater sample WB-11 was found to contain two parameters above groundwater standards and guidance values. Further B-11@7 identified a PCB, in excess of unrestricted, residential, and restricted residential use SCOs. A summary table for each sample with results above SCOs or Water Quality Standards is show below:

Soil Sample: B-3@7 *Location: Boring B-3 at a depth of 7' below grade*				
Analyte	**Result (mg/Kg)**	**Unrestricted (mg/Kg)**	**Residential (mg/Kg)**	**Restricted Residential (mg/Kg)**
Lead	**205.0**	63	400	400

Soil Sample: B-4@6.5 *Location: Boring B-4 at a depth of 6.5' below grade*				
Analyte	**Result (µg/Kg)**	**Unrestricted (µg/Kg)**	**Residential (µg/Kg)**	**Restricted Residential (µg/Kg)**
Acetone	**69**	50	10,000	10,000

Soil Sample: B-11@7 *Location: Boring B-3 at a depth of 7' below grade*				
Analyte	**Result (mg/Kg)**	**Unrestricted (mg/Kg)**	**Residential (mg/Kg)**	**Restricted Residential (mg/Kg)**
Xylene (mixed)	**1800**	260	100,000	100,000
PCB (Aroclor 1260)	**2300**	100	1,000	1,000

Water Sample: WB-11 *Location: Boring B-11*			
Analyte	**Result (µg/L)**	**Standards Value (µg/L)**	**Guidance Value (µg/L)**
m,p-Xylene	**21**	5	
Naphthalene	**14**		10

These results are also overlaid on the proposed site plan for the property and included as Figure 1 (Drawing Number 1 - Site Plan) of this report. A summary of the soil sample results compared to the NYSDEC SCOs and a summary of the water sample results compared to the NYSDEC Ambient Water Quality Standards and Guidance Values are included in Appendix B of this report. Complete analytical results for all soil and water samples collected is included in Appendix C of this report.

Section 4.2 Conclusions

Based upon the findings of this Phase II - Environmental Site Assessment we have determined that the historical use of the property has impacted the site. However, based on our data the majority of the site appears to present no environmental concern. While there was evidence of impacted material in the location of the former UST and the underground automobile lift, this level of contamination should be able to be addressed during site construction without significant cost impact. The full extent of the REC for the former dilapidated house on the adjoining vacant lot near boring B-11 could not be defined by this investigation. Further characterization is needed to better determine the nature and extent of the contamination and to facilitate a plan for addressing this issue.

Section 4.3 Recommendations

We recommend a supplemental Phase II in the area of B-11 to allow for additional subsurface investigation to further define the boundary of contamination, asses remedial alternatives, and develop a plan to address the issue in the area. To address the remaining site and specifically the areas in proximity to B-3 and B-4 during construction, we recommend the development and implementation of an EMP for using during all construction activities on site. The EMP will be designed to assure that any unforeseen environmental conditions are identified and addressed accordingly during construction.

Figures

Figure 1

NOTES:
THIS DRAWINGS IS NOT TO SCALE, THIS DRAWINGS IS TO BE USED FOR THE PHASE II REPORT AND NOT TO BE USED FOR CONSTRUCTION. ALL UTILITIES MAY NOT BE SHOWN. FIELD VERIFICATION OF ALL UTILITIES AND STRUCTURES MUST BE PERFORMED BEFORE CONSTRUCTION BEGINS.

BORING HOLE LOG

ID NUMBER	MAX DEPTH	HIGHEST PID (PPM)	DEPTH OF HIGHEST PID
B-1	11'-4"	0.0	N/A
B-2	17'-0"	0.0	N/A
B-3	12'-0"	0.0	N/A
B-4	**12'-0"**	**0.5**	**10'-0"**
B-5	12'-0"	0.0	N/A
B-6	16'-0"	0.0	N/A
B-7	12'-0"	0.0	N/A
B-8	12'-0"	0.0	N/A
B-9	12'-0"	0.0	N/A
B-10	12'-0"	0.0	N/A
B-11	**12'-0"**	**112.0**	**7'-0"**
B-12	**12'-0"**	**0.4**	**7'-0"**

Water Sample Name: WB-10

Analyte Name	WB-4	Units	Standards Value	Guidance Value
All parameters were non-detect				

Soil Sample Name: B-12@0 (At Surface)

Analyte Name	Result	DF	Units	Residential	Restricted Residential	Unrestricted Use
All parameters were non-detect						

Soil Sample Name: B-11@7 (7' Below Grade)

Analyte Name	Result	DF	Units	Residential	Restricted Residential	Unrestricted Use
Xylene (mixed)	1800	115	µg/Kg	100,000	100,000	260
Naphthalene	1100	1	µg/Kg	100,000	100,000	12,000
PCB (Arodor 1260)	2300	10	µg/Kg	1,000	1,000	100
Methylcyclohexane	1100	115	µg/Kg			
2-Methylnaphalene	1700	1	µg/Kg			

Water Sample Name: WB-11

Analyte Name	WB-11	Units	Standards Value	Guidance Value
Acetone	6.2	µg/L		50
Isopropylbenzene	3.7	µg/L	5	
Methyl tert-Butyl Ether	1.0	µg/L		
Methylcyclohexane	4.1	µg/L		
m,p-Xylene	21	µg/L	5	
Naphthalene	14	µg/L		10

Soil Sample Name: B-4@6.5 (6.5' Below Grade)

Analyte Name	Result	DF	Units	Residential	Restricted Residential	Unrestricted Use
Acetone	69	1	µg/Kg	100,000	100,000	50
Methyl ethyl ketone	13	1	µg/Kg	100,000	100,000	120

Water Sample Name: WB-4

Analyte Name	WB-4	Units	Standards Value	Guidance Value
All parameters were non-detect				

Soil Sample Name: B-3@7 (7' Below Grade)

Analyte Name	Result	DF	Units	Residential	Restricted Residential	Unrestricted Use
Acetone	38	1	µg/Kg	100,000	100,000	50
Benz(a)anthracene	830	2	µg/Kg	1,000	1,000	1,000
Benzo(a)pyrene	890	2	µg/Kg	1,000	1,000	1,000
Chrysene	880	2	µg/Kg	1,000	3,900	1,000
Fluoranthene	1500	2	µg/Kg	100,000	100,000	100,000
Phenanthrene	930	2	µg/Kg	100,000	100,000	100,000
Pyrene	1400	2	µg/Kg	100,000	100,000	100,000
Lead	205.0	1	mg/Kg	400	400	63

B-10 WELL INSTALLED PID = 0.0 PPM
B-12 PID = 0.4 PPM @ 84"
B-11 PID = 112 PPM @ 84" B.G.
B-5 PID = 0.0 PPM
B-4 PID = 0.5 PPM @ 120" WELL INSTALLED
B-9 PID = 0.0 PPM
B-8 PID = 0.0 PPM
B-7 PID = 0.0 PPM
B-3 PID = 0.0 PPM
B-1 PID = 0.0 PPM
B-2 PID = 0.0 PPM
B-6 PID = 0.0 PPM

STORAGE LOT (GRAVEL)
40 PARKING SPACES
DROP-OFF
LOADING
PLAY AREA
ARROX. LOCATION OF FORMER HOUSE
UTILITY POLE
PARTS DUMPSTER
STORAGE FOR AUTO SHOP
TRASH DUMPSTER
ARROX. LOCATION OF FORMER 10'x10' STRUCTURE
TOWNHOUSES
PARKING (GRAV
FORMER UST (1,000 GAL)
JERSEY BARRIER WALL
APPROX. LOCATION OF UNDERGROUND AUTO LIFT
FORMER PAINT BOOTH
ITHACA DISPATCH
400-406 SPENCER ROAD
LAWN AREA
WOOD RETAINING WALL
SPENCER ROAD
TIAL TRAIL CONNECTION
PRIVACY FENCE
N 72°53'07" E 139.50'
N 09°56'53" E 216.61'
N 61°52'18" E 322.33' TOTAL
S 29°37'42" W 324.69' TOTAL
N 24°05'18" E 149.53'
N 22°00'00" W 122.00'

REVISIONS				
NO.	DATE	BY	CHKD	DESCRIPTION

Seeler Engineering, P.C.
1151 PITTSFORD-VICTOR ROAD, SUITE 125
PITTSFORD, NEW YORK, 14534
PHONE 585-248-9520 FAX 585-248-9532

PATHSTONE CORPORATION
PHASE 2 - ESA
ITHACA, NEW YORK

DATE	DRAWN	CHECKED
9/14/12	MJC	TAS

SCALE: NOT TO SCALE

SHEET TITLE: SITE PLAN

PROJECT NUMBER 019.007

1
DRAWING NUMBER

Appendices

Appendix A

Seeler Engineering, P.C.

Test Boring Log

Project Number: 019.007

BORING ID: **B-1**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: Center of former UST

DATE: 9/13/2012

WEATHER: 64°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									gravel	0.0	
									course brown sand, some fine gravel		soil was dry
											sppon sample recovery limited to 50%
2.5											
									medium brown sand	0.0	soil was dry no odor, no staining
5											
									dark clay, some fines	0.0	WATER TABLE odor was detected
											sppon sample recovery limited to 50%
7.5											
											spoon sample no recovery
10											
12.5											spoon sample no recovery
15											
											spoon sample no recovery
17.5									BORING TERMINATED		BORING TERMINATED
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C. | **Test Boring Log** | Project Number: 019.007

BORING ID: **B-2**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: 3' to the east from the center of former UST

DATE: 9/13/2012

WEATHER: 70°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									course sand, and fines, little fine gravel	0.0	
									course sand, and gravel, little fines	0.0	soil was dry
2.5									course sand, and gravel, little fines	0.0	soil was dry no odor, no staining
5									dark clay, some fines	0.0	WATER TABLE minimal odor was detected
7.5									brown clay, some sand	0.0	no odor, no staining sppon sample recovery limited to 50%
10									gray clay, little sand	0.0	
12.5											spoon sample no recovery
15									BORING TERMINATED		BORING TERMINATED
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C. | **Test Boring Log** | Project Number: 019.007

BORING ID: **B-3**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: 6' to the west from the center of former UST

DATE: 9/13/2012

WEATHER: 70°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									dark brown sand, some fine gravel	0.0	
									light brown sand, some fine gravel		
									course brown sand, some fine gravel	0.0	soil was dry no odor, no staining
2.5											spoon sample recovery limited to 50%
									course brown sand, some fine gravel	0.0	soil was dry no odor, no staining
5									gravel		
									dark clay	0.0	WATER TABLE odor was detected heavy visual staining observed
7.5									brown clay, little sand	0.0	no odor no staining
10											spoon sample recovery limited to 50%
									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C. | **Test Boring Log** | Project Number: 019.007

BORING ID: **B-4**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: outside underground lift, near concrete apron

DATE: 9/13/2012

WEATHER: 74°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									course brown sand, some fine gravel	0.0	
									course light brown sand, little fine gravel	0.0	soil was dry no odor, no staining
2.5									brown sand, little fine gravel		
									gravel, little brown sand	0.0	soil was dry no odor, no staining
5		- well installed with screen from 5' to 10' below grade									
									dark clay		WATER TABLE no odor, no staining
7.5									gray clay, little gravel	0.0	no odor no staining
											spoon sample recovery limited to 50%
10									dark gray clay	0.5	minimul staining was observed slight odor was detected
									brown clay		
									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C. | **Test Boring Log** | Project Number: 019.007

BORING ID: **B-5**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: Outside former paint booth, near storage trailers

DATE: 9/13/2012

WEATHER: 76°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									black course sand, little fine gravel	0.0	
									fine brown sand, and fine gravel	0.0	soil was dry no odor
2.5									medium gravel, and medium sand	0.0	
									gravel and light brown sand	0.0	soil was dry no odor
5									brown clay	0.0	WATER TABLE no odor, no staining
7.5									gravel, little medium sand	0.0	no odor no staining
									brown clay	0.0	no odor, no staining
10									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C. | **Test Boring Log** | Project Number: 019.007

BORING ID: **B-6**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: North east corner of 406 Spencer Road, near barrier

DATE: 9/13/2012

WEATHER: 79°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									fine brown sand, little medium sand	0.0	
									medium brown sand and fine gravel	0.0	soil was dry no odor
2.5									course gravel and fine gravel	0.0	
									brown sand	0.0	
5									medium sand and fine sand, some - fine gravel	0.0	soil was dry no odor
									brown medium sand	0.0	WATER TABLE
7.5									gray clay	0.0	visible staining, no odor
10											spoon sample no recovery
12.5											spoon sample no recovery
15									BORING TERMINATED		BORING TERMINATED
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

SHEET: 1 of 1

Seeler Engineering, P.C.

Test Boring Log

Project Number: 019.007

BORING ID: **B-7**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: South fence line of 406 Spencer Road

DATE: 9/13/2012

WEATHER: 80°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									medium sand and fine gravel	0.0	soil was dry no odor, no staining
2.5									gravel and course sand	0.0	
5									medium sand, little fine gravel, some - course gravel	0.0	soil was dry no odor, no staining
7.5									dark gray clay, little sand	0.0	WATER TABLE no odor, no staining
10									gray clay, trace of sand	0.0	no odor, no staining
12.5									BORING TERMINATED		BORING TERMINATED
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

SHEET: 1 of 1

Seeler Engineering, P.C. | **Test Boring Log** | Project Number: 019.007

BORING ID: **B-8**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: 406 Spencer Road near former 10x10, closer to barrier

DATE: 9/13/2012

WEATHER: 80°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									fine light brown sand and fine gravel	0.0	soil was dry no odor, no staining
2.5									medium sand and fine gravel	0.0	spoon sample recovery limited to 50%
5									medium sand and course gravel	0.0	soil was dry no odor, no staining
7.5									medium sand and fine gravel	0.0	WATER TABLE no odor, no staining
10									light gray clay	0.0	no odor, no staining spoon sample recovery limited to 25%
12.5									light gray clay	0.0	no odor spoon sample recovery limited to 25%
15									BORING TERMINATED		BORING TERMINATED
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

SHEET: 1 of 1

Seeler Engineering, P.C. | **Test Boring Log** | Project Number: 019.007

BORING ID: **B-9**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: 406 Spencer Road near former 10x10, farther south of barrier

DATE: 9/13/2012

WEATHER: 80°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									fine light brown sand, some fine gravel	0.0	
									medium brown sand	0.0	soil was dry no odor, no staining
											spoon sample recovery limited to 50%
2.5									sand and course gravel	0.0	
									fine sand and course gravel	0.0	soil was dry no odor, no staining
5									fine gravel, little medium sand	0.0	soil was dry no odor, no staining
									medium sand	0.0	WATER TABLE rust colored
7.5									dark gray clay	0.0	
											spoon sample no recovery
10									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C. | **Test Boring Log** | Project Number: 019.007

BORING ID: **B-10**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: Adjoining lot, north west corner

DATE: 9/13/2012

WEATHER: 80°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									medium gravel (FILL)	0.0	
									course gravel		
									clay, some brown medium sand, - little fines	0.0	soil was dry no odor, no staining
2.5									clay, some brown sand	0.0	
									medium brown sand	0.0	
5			- well installed with screen from 5' to 10' below grade						clay	0.0	soil was dry no odor, no staining
									clay	0.0	WATER TABLE
7.5											spoon sample limited to 50%
									clay and fine brown sand	0.0	
10											no odor no staining
									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C. | **Test Boring Log** | Project Number: 019.007

BORING ID: **B-11**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: Adjoining lot, near utility pole

DATE: 9/13/2012

WEATHER: 80°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									medium gravel (FILL)	0.0	
									fine gravel and medium sand	0.0	
											soil was dry no odor, no staining
									clay and medium sand	0.0	
2.5									course gravel and medium brown sand	0.0	
									VOIDS		spoon sample limited to 50%
5									fine gravel and clay, little sand	0.0	soil was dry no odor, no staining
									clay	46.0	WATER TABLE heavy petrolium odor and staining
									gray clay	112.0	spoon sample limited to 50%
7.5										62.0	
									gray clay	0.0	slight odor, no staining
									brown clay, little sand	0.0	no odor, no staining
10											no odor no staining
									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Seeler Engineering, P.C. | **Test Boring Log** | Project Number: 019.007

BORING ID: **B-12**

CLIENT: Pathstone Corporation

PROJECT: Phase 2 - Environmental Site Assessment
400-406 Spencer Road and Adjoining Lot

CITY: Ithaca, New York

LOCATION: Adjoining lot, near south gate

DATE: 9/13/2012

WEATHER: 76°F, Sunny

DEPTH (FEET)	Sample	Sample No.	BLOWS ON SAMPLE 0-6	6-12	12-18	18-24	N	GRAPHIC LOG	DESCRIPTION & CLASSIFICATION	PID	WATER TABLE & REMARKS
0									medium gravel (FILL)	0.0	
									medium sand, and course gravel, little - clay	0.0	soil was dry no odor
2.5											
									medium sand, and course gravel, little - clay	0.0	
5											soil was dry no odor
									brown clay	0.4	WATER TABLE slight odor and staining
7.5									sand, little fine gravel, some course - gravel	0.0	no odor, no staining
									gray clay	0.0	slight odor, no staining
10									BORING TERMINATED		BORING TERMINATED
12.5											
15											
17.5											
20											

N = NUMBER OF BLOWS _____ " SPOON _____ " WITH _____ LB WT. FALLING _____ " PER BLOW

LOGGED BY: Matt Czora, Seeler Engineering

Appendix B

Analytical Results Compared to SCO's

Date Collected: 09/13/2012

Site Address: 400-406 Spencer Road & Adjoining Lot

Sample Matrix: Soil

		B-3@7		B-4@6.5		B-11@7		B-12@0					
Analytical Method	**Analyte Name**	**Result**	**DF**	**Result**	**DF**	**Result**	**DF**	**Result**	**DF**	**Units**	**Residential**	**Restricted Residential**	**Unrestricted Use**
8260C	1,1,1-Trichloroethane	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	100,000	100,000	680
8260C	1,1-Dichloroethane	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	19,000	26,000	270
8260C	1,1-Dichloroethene	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	100,000	100,000	330
8260C	1,2,4-Trimethylbenzene	* See Note		* See Note		* See Note				µg/Kg	47,000	52,000	3,600
8260C	1,2-Dichlorobenzene	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	100,000	100,000	1,100
8260C	1,2-Dichloroethane	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	2,300	3,100	20
8260C	1,3,5-Trimethylbenzene	* See Note		* See Note		* See Note				µg/Kg	47,000	52,000	8,400
8260C	1,3-Dichlorobenzene	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	17,000	49,000	2,400
8260C	1,4-Dichlorobenzene	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	9,800	13,000	1,800
8260C	1,4-Dioxane	* See Note		* See Note		* See Note				µg/Kg	9,800	13,000	100
8260C	**Acetone**	**38**	**1**	**69**	**1**	**820 U**	**115**			**µg/Kg**	**100,000**	**100,000**	**50**
8260C	Benzene	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	2,900	4,800	60
8260C	Carbon tetrachloride	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	1,400	2,400	760
8260C	Chlorobenzene	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	100,000	100,000	1,100
8260C	Chloroform	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	10,000	49,000	370
8260C	cis-1,2-Dichloroethene	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	59,000	100,000	250
8260C	Ethylbenzene	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	30,000	41,000	1,000
8270D	Hexachlorobenzene	820 U	2	440 U	1	470 U	1			µg/Kg	330	1,200	330
8260C	**Methyl ethyl ketone**	**6.2 U**	**1**	**13**	**1**	**820 U**	**115**			**µg/Kg**	**100,000**	**100,000**	**120**
8260C	Methyl tert-Butyl Ether	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	62,000	100,000	930
8260C	Methylene chloride	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	51,000	100,000	50
8260C	n-Propylbenzene	* See Note		* See Note		* See Note				µg/Kg	100,000	100,000	3,900
8260C	sec-Butylbenzene	* See Note		* See Note		* See Note				µg/Kg	100,000	100,000	11,000
8260C	tert-Butylbenzene	* See Note		* See Note		* See Note				µg/Kg	100,000	100,000	5,900
8260C	Tetrachloroethene	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	5,500	19,000	1,300

Analytical Results Compared to SCO's

Date Collected: 09/13/2012

Site Address: 400-406 Spencer Road & Adjoining Lot

Sample Matrix: Soil

		B-3@7		B-4@6.5		B-11@7		B-12@0					
Analytical Method	**Analyte Name**	**Result**	**DF**	**Result**	**DF**	**Result**	**DF**	**Result**	**DF**	**Units**	**Residential**	**Restricted Residential**	**Unrestricted Use**
8260C	Toluene	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	100,000	100,000	700
8260C	trans-1,2-Dichloroethene	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	100,000	100,000	190
8260C	Trichloroethene	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	10,000	21,000	470
8260C	Vinyl chloride	6.2 U	1	6.7 U	1	820 U	115			µg/Kg	210	900	20
8260C	**Xylene (mixed)**	**12 U**	**1**	**13 U**	**1**	**1800**	**115**			**µg/Kg**	**100,000**	**100,000**	**260**
8270D	Acenaphthene	820 U	2	440 U	1	470 U	1	3500 U	10	µg/Kg	100,000	100,000	20,000
8270D	Acenaphthylene	820 U	2	440 U	1	470 U	1	3500 U	10	µg/Kg	100,000	100,000	100,000
8270D	Anthracene	820 U	2	440 U	1	470 U	1	3500 U	10	µg/Kg	100,000	100,000	100,000
8270D	**Benz(a)anthracene**	**830**	**2**	**440 U**	**1**	**470 U**	**1**	**3500 U**	**10**	**µg/Kg**	**1,000**	**1,000**	**1,000**
8270D	**Benzo(a)pyrene**	**890**	**2**	**440 U**	**1**	**470 U**	**1**	**3500 U**	**10**	**µg/Kg**	**1,000**	**1,000**	**1,000**
8270D	Benzo(b)fluoranthene	820 U	2	440 U	1	470 U	1	3500 U	10	µg/Kg	1,000	1,000	1,000
8270D	Benzo(g,h,i)perylene	820 U	2	440 U	1	470 U	1	3500 U	10	µg/Kg	100,000	100,000	100,000
8270D	Benzo(k)fluoranthene	820 U	2	440 U	1	470 U	1	3500 U	10	µg/Kg	1,000	3,900	800
8270D	**Chrysene**	**880**	**2**	**440 U**	**1**	**470 U**	**1**	**3500 U**	**10**	**µg/Kg**	**1,000**	**3,900**	**1,000**
8270D	Dibenz(a,h)anthracene	820 U	2	440 U	1	470 U	1	3500 U	10	µg/Kg	330	330	330
8270D	**Fluoranthene**	**1500**	**2**	**440 U**	**1**	**470 U**	**1**	**3500 U**	**10**	**µg/Kg**	**100,000**	**100,000**	**100,000**
8270D	Fluorene	820 U	2	440 U	1	470 U	1	3500 U	10	µg/Kg	100,000	100,000	30,000
8270D	Indeno(1,2,3-cd)pyrene	820 U	2	440 U	1	470 U	1	3500 U	10	µg/Kg	500	500	500
8270D	m,o,p-Cresol	* See Note		* See Note		* See Note		* See Note		µg/Kg	34,000	100,000	330
8270D	**Naphthalene**	**820 U**	**2**	**440 U**	**1**	**1100**	**1**	**3500 U**	**10**	**µg/Kg**	**100,000**	**100,000**	**12,000**
8270D	Pentachlorophenol	4200 U	2	2300 U	1	2400 U	1	18000 U	10	µg/Kg	2,400	6,700	800
8270D	**Phenanthrene**	**930**	**2**	**440 U**	**1**	**470 U**	**1**	**3500 U**	**10**	**µg/Kg**	**100,000**	**100,000**	**100,000**
8270D	Phenol	820 U	2	440 U	1	470 U	1	3500 U	10	µg/Kg	100,000	100,000	330
8270D	**Pyrene**	**1400**	**2**	**440 U**	**1**	**470 U**	**1**	**3500 U**	**10**	**µg/Kg**	**100,000**	**100,000**	**100,000**
8082A	Aroclor 1016	41 U	1	44 U	1	470 U	10	35 U	1	µg/Kg	1,000	1,000	100

Analytical Results Compared to SCO's

Date Collected: 09/13/2012

Site Address: 400-406 Spencer Road & Adjoining Lot

Sample Matrix: Soil

		B-3@7		B-4@6.5		B-11@7		B-12@0					
Analytical Method	**Analyte Name**	**Result**	**DF**	**Result**	**DF**	**Result**	**DF**	**Result**	**DF**	**Units**	**Residential**	**Restricted Residential**	**Unrestricted Use**
8082A	Aroclor 1221	83 U	1	90 U	1	960 U	10	35 U	1	µg/Kg	1,000	1,000	100
8082A	Aroclor 1232	41 U	1	44 U	1	470 U	10	35 U	1	µg/Kg	1,000	1,000	100
8082A	Aroclor 1242	41 U	1	44 U	1	470 U	10	35 U	1	µg/Kg	1,000	1,000	100
8082A	Aroclor 1248	41 U	1	44 U	1	470 U	10	35 U	1	µg/Kg	1,000	1,000	100
8082A	Aroclor 1254	41 U	1	44 U	1	470 U	10	35 U	1	µg/Kg	1,000	1,000	100
8082A	**Aroclor 1260**	**41 U**	**1**	**44 U**	**1**	**2300**	**10**	**35 U**	**1**	**µg/Kg**	**1,000**	**1,000**	**100**
Metals	Arsenic	**9.4**	1	**4.5**	1	**5.8**	1	**5.4**	1	mg/Kg	16	16	13
Metals	Barium	**155**	1	**94.5**	1	**249**	1	**116**	1	mg/Kg	350	400	350
Metals	Beryllium	0.61 U	1	**0.71**	1	0.71 U	1	0.53 U	1	mg/Kg	14.0	72.0	7.2
Metals	Cadmium	0.61 U	1	0.64 U	1	0.71 U	1	0.53 U	1	mg/Kg	2.5	4.3	2.5
Metals	Chromium	**19.1**	1	**20.5**	1	**19.1**	1	**15.1**	1	mg/Kg	36	180	30
Metals	Copper	**32.5**	1	**24.8**	1	**26.9**	1	**27.1**	1	mg/Kg	270	270	50
Metals	Cyanide, Total	* See Note		* See Note		* See Note		* See Note		mg/Kg	27	27	27
Metals	**Lead**	**205**	**1**	**20.9**	**1**	**54.4**	**1**	**25.2**	**1**	**mg/Kg**	**400**	**400**	**63**
Metals	Manganese	**337**	1	**242**	1	**372**	1	**578**	1	mg/Kg	2,000	2,000	1,600
Metals	Mercury, Total	**0.11**	1	0.042 U	1	0.045 U	1	0.035 U	1	mg/Kg	0.81	0.81	0.18
Metals	Nickel	**25.3**	1	**27.5**	1	**26.2**	1	**22.3**	1	mg/Kg	140	310	30
Metals	Selenium	1.2 U	1	1.3 U	1	1.4 U	1	1.1 U	1	mg/Kg	36	180	3.9
Metals	Silver	1.2 U	1	1.3 U	1	1.4 U	1	1.1 U	1	mg/Kg	36	180	2.0
Metals	Zinc	**22.5**	1	**79.6**	1	**80.1**	1	**78.6**	1	mg/Kg	2,200	10,000	109

Analytical Results Compared to SCO's

Date Collected: 09/13/2012

Site Address: 400-406 Spencer Road & Adjoining Lot

Sample Matrix: Soil

		B-3@7		B-4@6.5		B-11@7		B-12@0					
Analytical Method	**Analyte Name**	**Result**	**DF**	**Result**	**DF**	**Result**	**DF**	**Result**	**DF**	**Units**	**Residential**	**Restricted Residential**	**Unrestricted Use**
Paramiters Identified With No SCOs													
8260C	Methylcyclohexane	ND		ND		**1100**	115	ND		µg/Kg			
8270D	2-Methylnapthalene	ND		ND		**1700**	1	ND		µg/Kg			

Notes:

*No analytical results for this parameter, but its on SCO

DF = Dilution Factor

ND = Non-Detect

Analytical Results For Water Sample Wil1-1W & Wil1-2W

Compared to NYS Ambient Water Quality Standards and Guidance Values

Sample Name: WB-4, WB-10, WB-11 **Site Address: 400-406 Spencer Road & Adjoining Lot**

Date Collected: 09/13/2012 Sample Matrix: Water

Analytical Method	Analyte Name	WB-4	WB-10	WB-11	Units	Standards Value	Guidance Value	Notes
8260C	Acetone	5.0 U	5.0 U	**6.2**	µg/L		50	
8260C	Isopropylbenzene	1.0 U	1.0 U	**3.7**	µg/L	5		*(1)
8260C	Methyl tert-Butyl Ether	1.0 U	1.0 U	**1.0**	µg/L			*(2)
8260C	Methylcyclohexane	1.0 U	1.0 U	**4.1**	µg/L			*(2)
8260C	m,p-Xylene	2.0 U	2.0 U	**21**	µg/L	5		*(1)
8270D	Naphthalene	11 U	9.4 U	**14**	µg/L		10	
Metals	Barium	**430**	**503**		µg/L	1,000		
Metals	Chromium	**11**	**12**		µg/L	50		
Metals	Copper	**32**	**20 U**		µg/L	200		
Metals	Lead	**109**	**50 U**		µg/L	25		
Metals	Manganese	**1410**	**3930**		µg/L	300		
Metals	Mercury	**0.20 U**	**0.20 U**		µg/L	0.7		
Metals	Zinc	**175**	**62**		µg/L		2,000	

Notes:

*(1) The principal organic containment (POC) standard for groundwater of 5 ug/L applies to this substance

*(2) no standard or guidance value is set for this substance, POC standard for groundwater does not apply

Standards and guidance values are taken from (Table 1) New York State Ambient Water Quality Standards and Guidance Values.

Appendix C

September 25, 2012 Service Request No: R1206133

Mr. Matt Czora
Seeler Engineering, PC
1151 Pittsford Victor Road
Suite 125
Pittsford, NY 14534

Laboratory Results for: Phase II - Spencer Road/019.007

Dear Mr. Czora:

Enclosed are the results of the sample(s) submitted to our laboratory on September 14, 2012. For your reference, these analyses have been assigned our service request number **R1206133**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

Columbia Analytical Services, Inc. dba ALS Environmental

Janice Jaeger
Client Services Manager

Columbia Analytical Services
ADDRESS 1565 Jefferson Rd, Building 300, Suite 360, Rochester, NY 14623
PHONE 585-288-5380 | FAX 585-288-8475
Columbia Analytical Services, Inc.
Part of the ALS Group A Campbell Brothers Limited Company
www.caslab.com • www.alsglobal.com

CASE NARRATIVE

Client:	Seeler Engineering	**Service Request:**	R1206133
Project:	Spencer Road	**Project Number:**	
Sample Matrix:	Soil	**Date Received:**	05/25-30/12

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II deliverables. When appropriate to the method, method blank and LCS results have been reported with each analytical test.

Sample Receipt

Samples were collected on 05/23/12 and received at CAS on 05/25-30/12 at cooler temperatures of 9.1-23.7°C in good condition except as noted on the cooler receipt and preservation check form. The client was notified of the temperature exceedances and the samples analyzed.

Metals

Soil and water samples were analyzed for TAL Metals by Methods 6010C/7000 from SW-846.

Site specific QC was not requested on these samples.

All LCS recoveries were acceptable.

The Method blanks were free of contamination.

No other analytical or QC problems were encountered.

Volatile Organics

Soil and water samples were analyzed for a site specific list of Volatiles by method 8260C from SW-846.

All initial calibration criteria were met for all analytes. All Continuing Calibration Verification (CCV) standards were within 20% Difference (D) except Methyl acetate on the 09/17/12 CCV and Chloromethane and Bromomethane on the 09/18/12 CCV. All samples with positive detections for these compounds associated with these CCV's should be considered as estimated.

All Tuning criteria and Internal Standard Areas were within QC limits.

All Laboratory Control Sample (LCS) recoveries were within limits.

Site specific QC was not requested on these samples.

All surrogate standard recoveries were within limits.

The Method blanks associated with these samples were free of contamination.

All samples were analyzed within recommended holding times.

No other analytical or QC problems were encountered.

Semivolatile Organics

Soil and water samples were analyzed for a site specific list of Semivolatiles by method 8270D from SW-846.

All initial calibration criteria were met for all analytes. All CCV standards were within 20% D except 2,4-Dinitrophenol on the 09/20/12 CCV. All samples with positive detections for these compounds associated with these CCV's should be considered as estimated.

All Tuning criteria and Internal Standard Areas were within limits.

Various LCS/LCSD recoveries and RPD's were outside limits and have been flagged with an "*". No data was affected. Please note: Several compounds were not spiked on the 09/20/12 LCS/LCSD and therefore appear to be outside limits. As the 09/20/12 LCS/LCSD was associated with a re-extraction and the spike associated with the original analysis had all of the analytes requested, the data was not affected.

Site specific QC was not requested for these samples.

All surrogate standard recoveries were within limits except B-12@0. The sample was re-extracted and reanalyzed and again the surrogates were outside limits. All outlying surrogates have been flagged with an "*".

B-12@0 was analyzed at a dilution due to the dark color of the extract.

The Method blanks associated with these samples were free of contamination.

All samples were analyzed within recommended holding times.

No other analytical or QC problems were encountered.

PCB's

Soil and water samples were analyzed for PCB's by method 8082A from SW-846.

All initial and continuing calibration criteria were met.

All LCS/LCSD recoveries and RPD's were acceptable.

Site specific QC was not requested on these samples.

The Method blanks were free of contamination.

All samples were analyzed within recommended holding times.

No other analytical or QC problems were encountered.

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: R1206133

Lab ID	Client ID
R1206133-001	B-3@7
R1206133-002	B-4@6.5
R1206133-003	B-11@7
R1206133-004	B-12@0
R1206133-005	WB-4
R1206133-006	WB-11
R1206133-007	WB-10

Columbia Analytical Services

Now part of the ALS Group

REPORT QUALIFIERS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.

ACCREDITED IN ACCORDANCE WITH nelac

CAS/Rochester Lab ID # for State Certifications[1]

NELAP Accredited
Connecticut ID # PH0556
Delaware Accredited
DoD ELAP #65817
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Nebraska Accredited
Nevada ID # NY-00032
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
North Carolina #676
Pennsylvania ID# 68-786
Rhode Island ID # 158
Virginia #460167

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to the certifications section at www.caslab.com.

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1110
Sample Matrix:	Soil	**Date Received:**	9/14/12
Sample Name:	B-3@7		
Lab Code:	R1206133-001	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**80.7**		Percent	1.0	1	NA	9/17/12 20:30	

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Collected: 9/13/12 1110
Date Received: 9/14/12

Sample Name: B-3@7
Lab Code: R1206133-001

Basis: Dry
Percent Solids: 80.7

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**11600**		mg/Kg	12	1	9/19/12	9/20/12 10:24	
Antimony, Total	6010C	7.4	U	mg/Kg	7.4	1	9/19/12	9/20/12 10:24	
Arsenic, Total	6010C	**9.4**		mg/Kg	1.2	1	9/19/12	9/20/12 10:24	
Barium, Total	6010C	**155**		mg/Kg	2.5	1	9/19/12	9/20/12 10:24	
Beryllium, Total	6010C	0.61	U	mg/Kg	0.61	1	9/19/12	9/20/12 10:24	
Cadmium, Total	6010C	0.61	U	mg/Kg	0.61	1	9/19/12	9/20/12 10:24	
Calcium, Total	6010C	**14800**		mg/Kg	120	1	9/19/12	9/20/12 10:24	
Chromium, Total	6010C	**19.1**		mg/Kg	1.2	1	9/19/12	9/20/12 10:24	
Cobalt, Total	6010C	**10.8**		mg/Kg	6.1	1	9/19/12	9/20/12 10:24	
Copper, Total	6010C	**32.5**		mg/Kg	2.5	1	9/19/12	9/20/12 10:24	
Iron, Total	6010C	**25100**		mg/Kg	120	10	9/19/12	9/21/12 18:51	
Lead, Total	6010C	**205**		mg/Kg	6.1	1	9/19/12	9/20/12 10:24	
Magnesium, Total	6010C	**6280**		mg/Kg	120	1	9/19/12	9/20/12 10:24	
Manganese, Total	6010C	**337**		mg/Kg	1.2	1	9/19/12	9/20/12 10:24	
Mercury, Total	7471B	**0.110**		mg/Kg	0.039	1	9/20/12	9/20/12 14:35	
Nickel, Total	6010C	**25.3**		mg/Kg	4.9	1	9/19/12	9/20/12 10:24	
Potassium, Total	6010C	**1380**		mg/Kg	250	1	9/19/12	9/20/12 10:24	
Selenium, Total	6010C	1.2	U	mg/Kg	1.2	1	9/19/12	9/20/12 10:24	
Silver, Total	6010C	1.2	U	mg/Kg	1.2	1	9/19/12	9/20/12 10:24	
Sodium, Total	6010C	**370**		mg/Kg	120	1	9/19/12	9/20/12 10:24	
Thallium, Total	6010C	1.2	U	mg/Kg	1.2	1	9/19/12	9/20/12 10:24	
Vanadium, Total	6010C	**22.5**		mg/Kg	6.1	1	9/19/12	9/20/12 10:24	
Zinc, Total	6010C	**346**		mg/Kg	25	10	9/19/12	9/21/12 18:51	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1110
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Analyzed:	9/17/12 15:25
Sample Name:	B-3@7	**Units:**	µg/Kg
Lab Code:	R1206133-001	**Basis:**	Dry
		Percent Solids:	80.7

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309721
Data File Name:	J:\ACQUDATA\MSVOA5\DATA\091712\M0895.D\	**Instrument Name:**	R-MS-05
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	6.2	U	6.2	
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U	6.2	
79-00-5	1,1,2-Trichloroethane	6.2	U	6.2	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	6.2	
75-34-3	1,1-Dichloroethane (1,1-DCA)	6.2	U	6.2	
75-35-4	1,1-Dichloroethene (1,1-DCE)	6.2	U	6.2	
120-82-1	1,2,4-Trichlorobenzene	6.2	U	6.2	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	6.2	U	6.2	
106-93-4	1,2-Dibromoethane	6.2	U	6.2	
95-50-1	1,2-Dichlorobenzene	6.2	U	6.2	
107-06-2	1,2-Dichloroethane	6.2	U	6.2	
78-87-5	1,2-Dichloropropane	6.2	U	6.2	
541-73-1	1,3-Dichlorobenzene	6.2	U	6.2	
106-46-7	1,4-Dichlorobenzene	6.2	U	6.2	
78-93-3	2-Butanone (MEK)	6.2	U	6.2	
591-78-6	2-Hexanone	6.2	U	6.2	
108-10-1	4-Methyl-2-pentanone	6.2	U	6.2	
67-64-1	Acetone	**38**		6.2	
71-43-2	Benzene	6.2	U	6.2	
75-27-4	Bromodichloromethane	6.2	U	6.2	
75-25-2	Bromoform	6.2	U	6.2	
74-83-9	Bromomethane	6.2	U	6.2	
75-15-0	Carbon Disulfide	6.2	U	6.2	
56-23-5	Carbon Tetrachloride	6.2	U	6.2	
108-90-7	Chlorobenzene	6.2	U	6.2	
75-00-3	Chloroethane	6.2	U	6.2	
67-66-3	Chloroform	6.2	U	6.2	
74-87-3	Chloromethane	6.2	U	6.2	
110-82-7	Cyclohexane	6.2	U	6.2	
124-48-1	Dibromochloromethane	6.2	U	6.2	
75-71-8	Dichlorodifluoromethane (CFC 12)	6.2	U	6.2	
75-09-2	Dichloromethane	6.2	U	6.2	
100-41-4	Ethylbenzene	6.2	U	6.2	
98-82-8	Isopropylbenzene (Cumene)	6.2	U	6.2	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1110
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Analyzed:	9/17/12 15:25
Sample Name:	B-3@7	**Units:**	µg/Kg
Lab Code:	R1206133-001	**Basis:**	Dry
		Percent Solids:	80.7

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309721
Data File Name:	J:\ACQUDATA\MSVOA5\DATA\091712\M0895.D\	**Instrument Name:**	R-MS-05
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	6.2	U	6.2	
1634-04-4	Methyl tert-Butyl Ether	6.2	U	6.2	
108-87-2	Methylcyclohexane	6.2	U	6.2	
100-42-5	Styrene	6.2	U	6.2	
127-18-4	Tetrachloroethene (PCE)	6.2	U	6.2	
108-88-3	Toluene	6.2	U	6.2	
79-01-6	Trichloroethene (TCE)	6.2	U	6.2	
75-69-4	Trichlorofluoromethane (CFC 11)	6.2	U	6.2	
75-01-4	Vinyl Chloride	6.2	U	6.2	
156-59-2	cis-1,2-Dichloroethene	6.2	U	6.2	
10061-01-5	cis-1,3-Dichloropropene	6.2	U	6.2	
179601-23-1	m,p-Xylenes	12	U	12	
95-47-6	o-Xylene	6.2	U	6.2	
156-60-5	trans-1,2-Dichloroethene	6.2	U	6.2	
10061-02-6	trans-1,3-Dichloropropene	6.2	U	6.2	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	28-150	9/17/12 15:25	
Dibromofluoromethane	100	63-138	9/17/12 15:25	
Toluene-d8	102	66-138	9/17/12 15:25	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1110
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 15:43
Sample Name:	B-3@7	**Units:**	µg/Kg
Lab Code:	R1206133-001	**Basis:**	Dry
		Percent Solids:	80.7

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL647.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	2

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	820	U	820	
88-06-2	2,4,6-Trichlorophenol	820	U	820	
120-83-2	2,4-Dichlorophenol	820	U	820	
105-67-9	2,4-Dimethylphenol	820	U	820	
51-28-5	2,4-Dinitrophenol	4200	U	4200	
121-14-2	2,4-Dinitrotoluene	820	U	820	
606-20-2	2,6-Dinitrotoluene	820	U	820	
91-58-7	2-Chloronaphthalene	820	U	820	
95-57-8	2-Chlorophenol	820	U	820	
91-57-6	2-Methylnaphthalene	820	U	820	
95-48-7	2-Methylphenol	820	U	820	
88-74-4	2-Nitroaniline	4200	U	4200	
88-75-5	2-Nitrophenol	820	U	820	
91-94-1	3,3'-Dichlorobenzidine	820	U	820	
	3- and 4-Methylphenol Coelution	820	U	820	
99-09-2	3-Nitroaniline	4200	U	4200	
534-52-1	4,6-Dinitro-2-methylphenol	4200	U	4200	
101-55-3	4-Bromophenyl Phenyl Ether	820	U	820	
59-50-7	4-Chloro-3-methylphenol	820	U	820	
106-47-8	4-Chloroaniline	820	U	820	
7005-72-3	4-Chlorophenyl Phenyl Ether	820	U	820	
100-01-6	4-Nitroaniline	4200	U	4200	
100-02-7	4-Nitrophenol	4200	U	4200	
83-32-9	Acenaphthene	820	U	820	
208-96-8	Acenaphthylene	820	U	820	
98-86-2	Acetophenone	820	U	820	
120-12-7	Anthracene	820	U	820	
1912-24-9	Atrazine	820	U	820	
56-55-3	Benz(a)anthracene	**830**		820	
100-52-7	Benzaldehyde	820	U	820	
50-32-8	Benzo(a)pyrene	**890**		820	
205-99-2	Benzo(b)fluoranthene	820	U	820	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1110
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 15:43
Sample Name:	B-3@7	**Units:**	µg/Kg
Lab Code:	R1206133-001	**Basis:**	Dry
		Percent Solids:	80.7

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL647.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	2

CAS No.	Analyte Name	Result	Q	MRL	Note
191-24-2	Benzo(g,h,i)perylene	820	U	820	
207-08-9	Benzo(k)fluoranthene	820	U	820	
92-52-4	Biphenyl	820	U	820	
108-60-1	2,2'-Oxybis(1-chloropropane)	820	U	820	
111-91-1	Bis(2-chloroethoxy)methane	820	U	820	
111-44-4	Bis(2-chloroethyl) Ether	820	U	820	
117-81-7	Bis(2-ethylhexyl) Phthalate	820	U	820	
85-68-7	Butyl Benzyl Phthalate	820	U	820	
105-60-2	Caprolactam	820	U	820	
86-74-8	Carbazole	820	U	820	
218-01-9	Chrysene	**880**		820	
84-74-2	Di-n-butyl Phthalate	820	U	820	
117-84-0	Di-n-octyl Phthalate	820	U	820	
53-70-3	Dibenz(a,h)anthracene	820	U	820	
132-64-9	Dibenzofuran	820	U	820	
84-66-2	Diethyl Phthalate	820	U	820	
131-11-3	Dimethyl Phthalate	820	U	820	
206-44-0	Fluoranthene	**1500**		820	
86-73-7	Fluorene	820	U	820	
118-74-1	Hexachlorobenzene	820	U	820	
87-68-3	Hexachlorobutadiene	820	U	820	
77-47-4	Hexachlorocyclopentadiene	820	U	820	
67-72-1	Hexachloroethane	820	U	820	
193-39-5	Indeno(1,2,3-cd)pyrene	820	U	820	
78-59-1	Isophorone	820	U	820	
621-64-7	N-Nitrosodi-n-propylamine	820	U	820	
86-30-6	N-Nitrosodiphenylamine	820	U	820	
91-20-3	Naphthalene	820	U	820	
98-95-3	Nitrobenzene	820	U	820	
87-86-5	Pentachlorophenol (PCP)	4200	U	4200	
85-01-8	Phenanthrene	**930**		820	
108-95-2	Phenol	820	U	820	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1110
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 15:43
Sample Name:	B-3@7	**Units:**	µg/Kg
Lab Code:	R1206133-001	**Basis:**	Dry
		Percent Solids:	80.7

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL647.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	2

CAS No.	Analyte Name	Result	Q	MRL	Note
129-00-0	Pyrene	**1400**		820	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	106	41-151	9/19/12 15:43	
2-Fluorobiphenyl	88	49-115	9/19/12 15:43	
2-Fluorophenol	74	22-117	9/19/12 15:43	
Nitrobenzene-d5	86	40-112	9/19/12 15:43	
Phenol-d6	80	10-145	9/19/12 15:43	
Terphenyl-d14	88	38-137	9/19/12 15:43	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1110
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/18/12 18:08
Sample Name:	B-3@7	**Units:**	µg/Kg
Lab Code:	R1206133-001	**Basis:**	Dry
		Percent Solids:	80.7

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	310103
Prep Method:	EPA 3541	**Extraction Lot:**	167165
Data File Name:	J:\ACQUDATA\GCEXT4\DATA\091812\NI850.D\	**Instrument Name:**	R-GC-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	41	U	41	
11104-28-2	Aroclor 1221	83	U	83	
11141-16-5	Aroclor 1232	41	U	41	
53469-21-9	Aroclor 1242	41	U	41	
12672-29-6	Aroclor 1248	41	U	41	
11097-69-1	Aroclor 1254	41	U	41	
11096-82-5	Aroclor 1260	41	U	41	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	100	22-150	9/18/12 18:08	
Tetrachloro-m-xylene	92	10-126	9/18/12 18:08	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1205
Sample Matrix:	Soil	**Date Received:**	9/14/12
Sample Name:	B-4@6.5		
Lab Code:	R1206133-002	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	74.4		Percent	1.0	1	NA	9/17/12 20:30	

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Collected: 9/13/12 1205
Date Received: 9/14/12

Sample Name: B-4@6.5
Lab Code: R1206133-002

Basis: Dry
Percent Solids: 74.4

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**13600**		mg/Kg	13	1	9/19/12	9/20/12 11:10	
Antimony, Total	6010C	7.7	U	mg/Kg	7.7	1	9/19/12	9/20/12 11:10	
Arsenic, Total	6010C	**4.5**		mg/Kg	1.3	1	9/19/12	9/20/12 11:10	
Barium, Total	6010C	**94.5**		mg/Kg	2.6	1	9/19/12	9/20/12 11:10	
Beryllium, Total	6010C	**0.71**		mg/Kg	0.64	1	9/19/12	9/20/12 11:10	
Cadmium, Total	6010C	0.64	U	mg/Kg	0.64	1	9/19/12	9/20/12 11:10	
Calcium, Total	6010C	**2530**		mg/Kg	130	1	9/19/12	9/20/12 11:10	
Chromium, Total	6010C	**20.5**		mg/Kg	1.3	1	9/19/12	9/20/12 11:10	
Cobalt, Total	6010C	**12.1**		mg/Kg	6.4	1	9/19/12	9/20/12 11:10	
Copper, Total	6010C	**24.8**		mg/Kg	2.6	1	9/19/12	9/20/12 11:10	
Iron, Total	6010C	**24700**		mg/Kg	130	10	9/19/12	9/21/12 19:21	
Lead, Total	6010C	**20.9**		mg/Kg	6.4	1	9/19/12	9/20/12 11:10	
Magnesium, Total	6010C	**4680**		mg/Kg	130	1	9/19/12	9/20/12 11:10	
Manganese, Total	6010C	**242**		mg/Kg	1.3	1	9/19/12	9/20/12 11:10	
Mercury, Total	7471B	0.042	U	mg/Kg	0.042	1	9/20/12	9/20/12 14:37	
Nickel, Total	6010C	**27.5**		mg/Kg	5.1	1	9/19/12	9/20/12 11:10	
Potassium, Total	6010C	**1370**		mg/Kg	260	1	9/19/12	9/20/12 11:10	
Selenium, Total	6010C	1.3	U	mg/Kg	1.3	1	9/19/12	9/20/12 11:10	
Silver, Total	6010C	1.3	U	mg/Kg	1.3	1	9/19/12	9/20/12 11:10	
Sodium, Total	6010C	**430**		mg/Kg	130	1	9/19/12	9/20/12 11:10	
Thallium, Total	6010C	1.3	U	mg/Kg	1.3	1	9/19/12	9/20/12 11:10	
Vanadium, Total	6010C	**21.7**		mg/Kg	6.4	1	9/19/12	9/20/12 11:10	
Zinc, Total	6010C	**79.6**		mg/Kg	2.6	1	9/19/12	9/20/12 11:10	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1205
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Analyzed:	9/17/12 16:01
Sample Name:	B-4@6.5	**Units:**	µg/Kg
Lab Code:	R1206133-002	**Basis:**	Dry
		Percent Solids:	74.4

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309721
Data File Name:	J:\ACQUDATA\MSVOA5\DATA\091712\M0896.D\	**Instrument Name:**	R-MS-05
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	6.7	U	6.7	
79-34-5	1,1,2,2-Tetrachloroethane	6.7	U	6.7	
79-00-5	1,1,2-Trichloroethane	6.7	U	6.7	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.7	U	6.7	
75-34-3	1,1-Dichloroethane (1,1-DCA)	6.7	U	6.7	
75-35-4	1,1-Dichloroethene (1,1-DCE)	6.7	U	6.7	
120-82-1	1,2,4-Trichlorobenzene	6.7	U	6.7	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	6.7	U	6.7	
106-93-4	1,2-Dibromoethane	6.7	U	6.7	
95-50-1	1,2-Dichlorobenzene	6.7	U	6.7	
107-06-2	1,2-Dichloroethane	6.7	U	6.7	
78-87-5	1,2-Dichloropropane	6.7	U	6.7	
541-73-1	1,3-Dichlorobenzene	6.7	U	6.7	
106-46-7	1,4-Dichlorobenzene	6.7	U	6.7	
78-93-3	2-Butanone (MEK)	**13**		6.7	
591-78-6	2-Hexanone	6.7	U	6.7	
108-10-1	4-Methyl-2-pentanone	6.7	U	6.7	
67-64-1	Acetone	**69**		6.7	
71-43-2	Benzene	6.7	U	6.7	
75-27-4	Bromodichloromethane	6.7	U	6.7	
75-25-2	Bromoform	6.7	U	6.7	
74-83-9	Bromomethane	6.7	U	6.7	
75-15-0	Carbon Disulfide	6.7	U	6.7	
56-23-5	Carbon Tetrachloride	6.7	U	6.7	
108-90-7	Chlorobenzene	6.7	U	6.7	
75-00-3	Chloroethane	6.7	U	6.7	
67-66-3	Chloroform	6.7	U	6.7	
74-87-3	Chloromethane	6.7	U	6.7	
110-82-7	Cyclohexane	6.7	U	6.7	
124-48-1	Dibromochloromethane	6.7	U	6.7	
75-71-8	Dichlorodifluoromethane (CFC 12)	6.7	U	6.7	
75-09-2	Dichloromethane	6.7	U	6.7	
100-41-4	Ethylbenzene	6.7	U	6.7	
98-82-8	Isopropylbenzene (Cumene)	6.7	U	6.7	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1205
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Analyzed:	9/17/12 16:01
Sample Name:	B-4@6.5	**Units:**	µg/Kg
Lab Code:	R1206133-002	**Basis:**	Dry
		Percent Solids:	74.4

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309721
Data File Name:	J:\ACQUDATA\MSVOA5\DATA\091712\M0896.D\	**Instrument Name:**	R-MS-05
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	6.7	U	6.7	
1634-04-4	Methyl tert-Butyl Ether	6.7	U	6.7	
108-87-2	Methylcyclohexane	6.7	U	6.7	
100-42-5	Styrene	6.7	U	6.7	
127-18-4	Tetrachloroethene (PCE)	6.7	U	6.7	
108-88-3	Toluene	6.7	U	6.7	
79-01-6	Trichloroethene (TCE)	6.7	U	6.7	
75-69-4	Trichlorofluoromethane (CFC 11)	6.7	U	6.7	
75-01-4	Vinyl Chloride	6.7	U	6.7	
156-59-2	cis-1,2-Dichloroethene	6.7	U	6.7	
10061-01-5	cis-1,3-Dichloropropene	6.7	U	6.7	
179601-23-1	m,p-Xylenes	13	U	13	
95-47-6	o-Xylene	6.7	U	6.7	
156-60-5	trans-1,2-Dichloroethene	6.7	U	6.7	
10061-02-6	trans-1,3-Dichloropropene	6.7	U	6.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	85	28-150	9/17/12 16:01	
Dibromofluoromethane	100	63-138	9/17/12 16:01	
Toluene-d8	101	66-138	9/17/12 16:01	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1205
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 17:33
Sample Name:	B-4@6.5	**Units:**	µg/Kg
Lab Code:	R1206133-002	**Basis:**	Dry
		Percent Solids:	74.4

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL650.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	440	U	440	
88-06-2	2,4,6-Trichlorophenol	440	U	440	
120-83-2	2,4-Dichlorophenol	440	U	440	
105-67-9	2,4-Dimethylphenol	440	U	440	
51-28-5	2,4-Dinitrophenol	2300	U	2300	
121-14-2	2,4-Dinitrotoluene	440	U	440	
606-20-2	2,6-Dinitrotoluene	440	U	440	
91-58-7	2-Chloronaphthalene	440	U	440	
95-57-8	2-Chlorophenol	440	U	440	
91-57-6	2-Methylnaphthalene	440	U	440	
95-48-7	2-Methylphenol	440	U	440	
88-74-4	2-Nitroaniline	2300	U	2300	
88-75-5	2-Nitrophenol	440	U	440	
91-94-1	3,3'-Dichlorobenzidine	440	U	440	
	3- and 4-Methylphenol Coelution	440	U	440	
99-09-2	3-Nitroaniline	2300	U	2300	
534-52-1	4,6-Dinitro-2-methylphenol	2300	U	2300	
101-55-3	4-Bromophenyl Phenyl Ether	440	U	440	
59-50-7	4-Chloro-3-methylphenol	440	U	440	
106-47-8	4-Chloroaniline	440	U	440	
7005-72-3	4-Chlorophenyl Phenyl Ether	440	U	440	
100-01-6	4-Nitroaniline	2300	U	2300	
100-02-7	4-Nitrophenol	2300	U	2300	
83-32-9	Acenaphthene	440	U	440	
208-96-8	Acenaphthylene	440	U	440	
98-86-2	Acetophenone	440	U	440	
120-12-7	Anthracene	440	U	440	
1912-24-9	Atrazine	440	U	440	
56-55-3	Benz(a)anthracene	440	U	440	
100-52-7	Benzaldehyde	440	U	440	
50-32-8	Benzo(a)pyrene	440	U	440	
205-99-2	Benzo(b)fluoranthene	440	U	440	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1205
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 17:33
Sample Name:	B-4@6.5	**Units:**	µg/Kg
Lab Code:	R1206133-002	**Basis:**	Dry
		Percent Solids:	74.4

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL650.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
191-24-2	Benzo(g,h,i)perylene	440	U	440	
207-08-9	Benzo(k)fluoranthene	440	U	440	
92-52-4	Biphenyl	440	U	440	
108-60-1	2,2'-Oxybis(1-chloropropane)	440	U	440	
111-91-1	Bis(2-chloroethoxy)methane	440	U	440	
111-44-4	Bis(2-chloroethyl) Ether	440	U	440	
117-81-7	Bis(2-ethylhexyl) Phthalate	440	U	440	
85-68-7	Butyl Benzyl Phthalate	440	U	440	
105-60-2	Caprolactam	440	U	440	
86-74-8	Carbazole	440	U	440	
218-01-9	Chrysene	440	U	440	
84-74-2	Di-n-butyl Phthalate	440	U	440	
117-84-0	Di-n-octyl Phthalate	440	U	440	
53-70-3	Dibenz(a,h)anthracene	440	U	440	
132-64-9	Dibenzofuran	440	U	440	
84-66-2	Diethyl Phthalate	440	U	440	
131-11-3	Dimethyl Phthalate	440	U	440	
206-44-0	Fluoranthene	440	U	440	
86-73-7	Fluorene	440	U	440	
118-74-1	Hexachlorobenzene	440	U	440	
87-68-3	Hexachlorobutadiene	440	U	440	
77-47-4	Hexachlorocyclopentadiene	440	U	440	
67-72-1	Hexachloroethane	440	U	440	
193-39-5	Indeno(1,2,3-cd)pyrene	440	U	440	
78-59-1	Isophorone	440	U	440	
621-64-7	N-Nitrosodi-n-propylamine	440	U	440	
86-30-6	N-Nitrosodiphenylamine	440	U	440	
91-20-3	Naphthalene	440	U	440	
98-95-3	Nitrobenzene	440	U	440	
87-86-5	Pentachlorophenol (PCP)	2300	U	2300	
85-01-8	Phenanthrene	440	U	440	
108-95-2	Phenol	440	U	440	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1205
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 17:33
Sample Name:	B-4@6.5	**Units:**	µg/Kg
Lab Code:	R1206133-002	**Basis:**	Dry
		Percent Solids:	74.4

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL650.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
129-00-0	Pyrene	440	U	440	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	102	41-151	9/19/12 17:33	
2-Fluorobiphenyl	78	49-115	9/19/12 17:33	
2-Fluorophenol	69	22-117	9/19/12 17:33	
Nitrobenzene-d5	77	40-112	9/19/12 17:33	
Phenol-d6	71	10-145	9/19/12 17:33	
Terphenyl-d14	82	38-137	9/19/12 17:33	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1205
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/18/12 20:26
Sample Name:	B-4@6.5	**Units:**	µg/Kg
Lab Code:	R1206133-002	**Basis:**	Dry
		Percent Solids:	74.4

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	310103
Prep Method:	EPA 3541	**Extraction Lot:**	167165
Data File Name:	J:\ACQUDATA\GCEXT4\DATA\091812\NI854.D\	**Instrument Name:**	R-GC-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	44	U	44	
11104-28-2	Aroclor 1221	90	U	90	
11141-16-5	Aroclor 1232	44	U	44	
53469-21-9	Aroclor 1242	44	U	44	
12672-29-6	Aroclor 1248	44	U	44	
11097-69-1	Aroclor 1254	44	U	44	
11096-82-5	Aroclor 1260	44	U	44	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	92	22-150	9/18/12 20:26	
Tetrachloro-m-xylene	44	10-126	9/18/12 20:26	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1610
Sample Matrix:	Soil	**Date Received:**	9/14/12
Sample Name:	B-11@7		
Lab Code:	R1206133-003	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**70.1**		Percent	1.0	1	NA	9/17/12 20:30	

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Collected: 9/13/12 1610
Date Received: 9/14/12

Sample Name: B-11@7
Lab Code: R1206133-003

Basis: Dry
Percent Solids: 70.1

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**13100**		mg/Kg	14	1	9/19/12	9/20/12 11:16	
Antimony, Total	6010C	8.5	U	mg/Kg	8.5	1	9/19/12	9/20/12 11:16	
Arsenic, Total	6010C	**5.8**		mg/Kg	1.4	1	9/19/12	9/20/12 11:16	
Barium, Total	6010C	**249**		mg/Kg	2.8	1	9/19/12	9/20/12 11:16	
Beryllium, Total	6010C	0.71	U	mg/Kg	0.71	1	9/19/12	9/20/12 11:16	
Cadmium, Total	6010C	0.71	U	mg/Kg	0.71	1	9/19/12	9/20/12 11:16	
Calcium, Total	6010C	**12600**		mg/Kg	140	1	9/19/12	9/20/12 11:16	
Chromium, Total	6010C	**19.1**		mg/Kg	1.4	1	9/19/12	9/20/12 11:16	
Cobalt, Total	6010C	**10.0**		mg/Kg	7.1	1	9/19/12	9/20/12 11:16	
Copper, Total	6010C	**26.9**		mg/Kg	2.8	1	9/19/12	9/20/12 11:16	
Iron, Total	6010C	**25300**		mg/Kg	140	10	9/19/12	9/21/12 19:38	
Lead, Total	6010C	**54.4**		mg/Kg	7.1	1	9/19/12	9/20/12 11:16	
Magnesium, Total	6010C	**5840**		mg/Kg	140	1	9/19/12	9/20/12 11:16	
Manganese, Total	6010C	**372**		mg/Kg	1.4	1	9/19/12	9/20/12 11:16	
Mercury, Total	7471B	0.045	U	mg/Kg	0.045	1	9/20/12	9/20/12 14:39	
Nickel, Total	6010C	**26.2**		mg/Kg	5.6	1	9/19/12	9/20/12 11:16	
Potassium, Total	6010C	**1020**		mg/Kg	280	1	9/19/12	9/20/12 11:16	
Selenium, Total	6010C	1.4	U	mg/Kg	1.4	1	9/19/12	9/20/12 11:16	
Silver, Total	6010C	1.4	U	mg/Kg	1.4	1	9/19/12	9/20/12 11:16	
Sodium, Total	6010C	140	U	mg/Kg	140	1	9/19/12	9/20/12 11:16	
Thallium, Total	6010C	1.4	U	mg/Kg	1.4	1	9/19/12	9/20/12 11:16	
Vanadium, Total	6010C	**19.4**		mg/Kg	7.1	1	9/19/12	9/20/12 11:16	
Zinc, Total	6010C	**80.1**		mg/Kg	2.8	1	9/19/12	9/20/12 11:16	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1610
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Analyzed:	9/19/12 07:16
Sample Name:	B-11@7	**Units:**	µg/Kg
Lab Code:	R1206133-003	**Basis:**	Dry
		Percent Solids:	70.1

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309793
Data File Name:	J:\ACQUDATA\msvoa12\Data\091812\T1506.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	115

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	820	U	820	
79-34-5	1,1,2,2-Tetrachloroethane	820	U	820	
79-00-5	1,1,2-Trichloroethane	820	U	820	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	820	U	820	
75-34-3	1,1-Dichloroethane (1,1-DCA)	820	U	820	
75-35-4	1,1-Dichloroethene (1,1-DCE)	820	U	820	
120-82-1	1,2,4-Trichlorobenzene	820	U	820	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	820	U	820	
106-93-4	1,2-Dibromoethane	820	U	820	
95-50-1	1,2-Dichlorobenzene	820	U	820	
107-06-2	1,2-Dichloroethane	820	U	820	
78-87-5	1,2-Dichloropropane	820	U	820	
541-73-1	1,3-Dichlorobenzene	820	U	820	
106-46-7	1,4-Dichlorobenzene	820	U	820	
78-93-3	2-Butanone (MEK)	820	U	820	
591-78-6	2-Hexanone	820	U	820	
108-10-1	4-Methyl-2-pentanone	820	U	820	
67-64-1	Acetone	820	U	820	
71-43-2	Benzene	820	U	820	
75-27-4	Bromodichloromethane	820	U	820	
75-25-2	Bromoform	820	U	820	
74-83-9	Bromomethane	820	U	820	
75-15-0	Carbon Disulfide	820	U	820	
56-23-5	Carbon Tetrachloride	820	U	820	
108-90-7	Chlorobenzene	820	U	820	
75-00-3	Chloroethane	820	U	820	
67-66-3	Chloroform	820	U	820	
74-87-3	Chloromethane	820	U	820	
110-82-7	Cyclohexane	820	U	820	
124-48-1	Dibromochloromethane	820	U	820	
75-71-8	Dichlorodifluoromethane (CFC 12)	820	U	820	
75-09-2	Dichloromethane	820	U	820	
100-41-4	Ethylbenzene	820	U	820	
98-82-8	Isopropylbenzene (Cumene)	820	U	820	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1610
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Analyzed:	9/19/12 07:16
Sample Name:	B-11@7	**Units:**	µg/Kg
Lab Code:	R1206133-003	**Basis:**	Dry
		Percent Solids:	70.1

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309793
Data File Name:	J:\ACQUDATA\msvoa12\Data\091812\T1506.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	115

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	820	U	820	
1634-04-4	Methyl tert-Butyl Ether	820	U	820	
108-87-2	Methylcyclohexane	**1100**		820	
100-42-5	Styrene	820	U	820	
127-18-4	Tetrachloroethene (PCE)	820	U	820	
108-88-3	Toluene	820	U	820	
79-01-6	Trichloroethene (TCE)	820	U	820	
75-69-4	Trichlorofluoromethane (CFC 11)	820	U	820	
75-01-4	Vinyl Chloride	820	U	820	
156-59-2	cis-1,2-Dichloroethene	820	U	820	
10061-01-5	cis-1,3-Dichloropropene	820	U	820	
179601-23-1	m,p-Xylenes	**1800**		1600	
95-47-6	o-Xylene	820	U	820	
156-60-5	trans-1,2-Dichloroethene	820	U	820	
10061-02-6	trans-1,3-Dichloropropene	820	U	820	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85-122	9/19/12 07:16	
Dibromofluoromethane	103	89-119	9/19/12 07:16	
Toluene-d8	98	87-121	9/19/12 07:16	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1610
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 16:20
Sample Name:	B-11@7	**Units:**	µg/Kg
Lab Code:	R1206133-003	**Basis:**	Dry
		Percent Solids:	70.1

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL648.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	470	U	470	
88-06-2	2,4,6-Trichlorophenol	470	U	470	
120-83-2	2,4-Dichlorophenol	470	U	470	
105-67-9	2,4-Dimethylphenol	470	U	470	
51-28-5	2,4-Dinitrophenol	2400	U	2400	
121-14-2	2,4-Dinitrotoluene	470	U	470	
606-20-2	2,6-Dinitrotoluene	470	U	470	
91-58-7	2-Chloronaphthalene	470	U	470	
95-57-8	2-Chlorophenol	470	U	470	
91-57-6	2-Methylnaphthalene	**1700**		470	
95-48-7	2-Methylphenol	470	U	470	
88-74-4	2-Nitroaniline	2400	U	2400	
88-75-5	2-Nitrophenol	470	U	470	
91-94-1	3,3'-Dichlorobenzidine	470	U	470	
	3- and 4-Methylphenol Coelution	470	U	470	
99-09-2	3-Nitroaniline	2400	U	2400	
534-52-1	4,6-Dinitro-2-methylphenol	2400	U	2400	
101-55-3	4-Bromophenyl Phenyl Ether	470	U	470	
59-50-7	4-Chloro-3-methylphenol	470	U	470	
106-47-8	4-Chloroaniline	470	U	470	
7005-72-3	4-Chlorophenyl Phenyl Ether	470	U	470	
100-01-6	4-Nitroaniline	2400	U	2400	
100-02-7	4-Nitrophenol	2400	U	2400	
83-32-9	Acenaphthene	470	U	470	
208-96-8	Acenaphthylene	470	U	470	
98-86-2	Acetophenone	470	U	470	
120-12-7	Anthracene	470	U	470	
1912-24-9	Atrazine	470	U	470	
56-55-3	Benz(a)anthracene	470	U	470	
100-52-7	Benzaldehyde	470	U	470	
50-32-8	Benzo(a)pyrene	470	U	470	
205-99-2	Benzo(b)fluoranthene	470	U	470	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1610
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 16:20
Sample Name:	B-11@7	**Units:**	µg/Kg
Lab Code:	R1206133-003	**Basis:**	Dry
		Percent Solids:	70.1

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL648.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
191-24-2	Benzo(g,h,i)perylene	470	U	470	
207-08-9	Benzo(k)fluoranthene	470	U	470	
92-52-4	Biphenyl	470	U	470	
108-60-1	2,2'-Oxybis(1-chloropropane)	470	U	470	
111-91-1	Bis(2-chloroethoxy)methane	470	U	470	
111-44-4	Bis(2-chloroethyl) Ether	470	U	470	
117-81-7	Bis(2-ethylhexyl) Phthalate	470	U	470	
85-68-7	Butyl Benzyl Phthalate	470	U	470	
105-60-2	Caprolactam	470	U	470	
86-74-8	Carbazole	470	U	470	
218-01-9	Chrysene	470	U	470	
84-74-2	Di-n-butyl Phthalate	470	U	470	
117-84-0	Di-n-octyl Phthalate	470	U	470	
53-70-3	Dibenz(a,h)anthracene	470	U	470	
132-64-9	Dibenzofuran	470	U	470	
84-66-2	Diethyl Phthalate	470	U	470	
131-11-3	Dimethyl Phthalate	470	U	470	
206-44-0	Fluoranthene	470	U	470	
86-73-7	Fluorene	470	U	470	
118-74-1	Hexachlorobenzene	470	U	470	
87-68-3	Hexachlorobutadiene	470	U	470	
77-47-4	Hexachlorocyclopentadiene	470	U	470	
67-72-1	Hexachloroethane	470	U	470	
193-39-5	Indeno(1,2,3-cd)pyrene	470	U	470	
78-59-1	Isophorone	470	U	470	
621-64-7	N-Nitrosodi-n-propylamine	470	U	470	
86-30-6	N-Nitrosodiphenylamine	470	U	470	
91-20-3	Naphthalene	**1100**		470	
98-95-3	Nitrobenzene	470	U	470	
87-86-5	Pentachlorophenol (PCP)	2400	U	2400	
85-01-8	Phenanthrene	470	U	470	
108-95-2	Phenol	470	U	470	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1610
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 16:20
Sample Name:	B-11@7	**Units:**	µg/Kg
Lab Code:	R1206133-003	**Basis:**	Dry
		Percent Solids:	70.1

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL648.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
129-00-0	Pyrene	470	U	470	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	119	41-151	9/19/12 16:20	
2-Fluorobiphenyl	90	49-115	9/19/12 16:20	
2-Fluorophenol	77	22-117	9/19/12 16:20	
Nitrobenzene-d5	89	40-112	9/19/12 16:20	
Phenol-d6	80	10-145	9/19/12 16:20	
Terphenyl-d14	79	38-137	9/19/12 16:20	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1610
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 15:22
Sample Name:	B-11@7	**Units:**	µg/Kg
Lab Code:	R1206133-003	**Basis:**	Dry
		Percent Solids:	70.1

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	310247
Prep Method:	EPA 3541	**Extraction Lot:**	167165
Data File Name:	J:\ACQUDATA\6890G\DATA\091912\AS553.D\	**Instrument Name:**	R-GC-58
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	470	U	470	
11104-28-2	Aroclor 1221	960	U	960	
11141-16-5	Aroclor 1232	470	U	470	
53469-21-9	Aroclor 1242	470	U	470	
12672-29-6	Aroclor 1248	470	U	470	
11097-69-1	Aroclor 1254	470	U	470	
11096-82-5	Aroclor 1260	**2300**		470	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	98	22-150	9/19/12 15:22	
Tetrachloro-m-xylene	62	10-126	9/19/12 15:22	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1700
Sample Matrix:	Soil	**Date Received:**	9/14/12
Sample Name:	B-12@0		
Lab Code:	R1206133-004	**Basis:**	As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	**95.1**		Percent	1.0	1	NA	9/17/12 20:30	

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Collected: 9/13/12 1700
Date Received: 9/14/12

Sample Name: B-12@0
Lab Code: R1206133-004

Basis: Dry
Percent Solids: 95.1

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**8780**		mg/Kg	11	1	9/19/12	9/20/12 11:23	
Antimony, Total	6010C	6.3	U	mg/Kg	6.3	1	9/19/12	9/20/12 11:23	
Arsenic, Total	6010C	**5.4**		mg/Kg	1.1	1	9/19/12	9/20/12 11:23	
Barium, Total	6010C	**116**		mg/Kg	2.1	1	9/19/12	9/20/12 11:23	
Beryllium, Total	6010C	0.53	U	mg/Kg	0.53	1	9/19/12	9/20/12 11:23	
Cadmium, Total	6010C	0.53	U	mg/Kg	0.53	1	9/19/12	9/20/12 11:23	
Calcium, Total	6010C	**89200**		mg/Kg	1100	10	9/19/12	9/21/12 19:44	
Chromium, Total	6010C	**15.1**		mg/Kg	1.1	1	9/19/12	9/20/12 11:23	
Cobalt, Total	6010C	**8.5**		mg/Kg	5.3	1	9/19/12	9/20/12 11:23	
Copper, Total	6010C	**27.1**		mg/Kg	2.1	1	9/19/12	9/20/12 11:23	
Iron, Total	6010C	**21000**		mg/Kg	110	10	9/19/12	9/21/12 19:44	
Lead, Total	6010C	**25.2**		mg/Kg	5.3	1	9/19/12	9/20/12 11:23	
Magnesium, Total	6010C	**7180**		mg/Kg	110	1	9/19/12	9/20/12 11:23	
Manganese, Total	6010C	**578**		mg/Kg	1.1	1	9/19/12	9/20/12 11:23	
Mercury, Total	7471B	0.035	U	mg/Kg	0.035	1	9/20/12	9/20/12 14:41	
Nickel, Total	6010C	**22.3**		mg/Kg	4.2	1	9/19/12	9/20/12 11:23	
Potassium, Total	6010C	**920**		mg/Kg	210	1	9/19/12	9/20/12 11:23	
Selenium, Total	6010C	1.1	U	mg/Kg	1.1	1	9/19/12	9/20/12 11:23	
Silver, Total	6010C	1.1	U	mg/Kg	1.1	1	9/19/12	9/20/12 11:23	
Sodium, Total	6010C	**130**		mg/Kg	110	1	9/19/12	9/20/12 11:23	
Thallium, Total	6010C	1.1	U	mg/Kg	1.1	1	9/19/12	9/20/12 11:23	
Vanadium, Total	6010C	**18.9**		mg/Kg	5.3	1	9/19/12	9/20/12 11:23	
Zinc, Total	6010C	**78.6**		mg/Kg	2.1	1	9/19/12	9/20/12 11:23	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1700
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 16:56
Sample Name:	B-12@0	**Units:**	µg/Kg
Lab Code:	R1206133-004	**Basis:**	Dry
		Percent Solids:	95.1

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL649.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	3500	U	3500	
88-06-2	2,4,6-Trichlorophenol	3500	U	3500	
120-83-2	2,4-Dichlorophenol	3500	U	3500	
105-67-9	2,4-Dimethylphenol	3500	U	3500	
51-28-5	2,4-Dinitrophenol	18000	U	18000	
121-14-2	2,4-Dinitrotoluene	3500	U	3500	
606-20-2	2,6-Dinitrotoluene	3500	U	3500	
91-58-7	2-Chloronaphthalene	3500	U	3500	
95-57-8	2-Chlorophenol	3500	U	3500	
91-57-6	2-Methylnaphthalene	3500	U	3500	
95-48-7	2-Methylphenol	3500	U	3500	
88-74-4	2-Nitroaniline	18000	U	18000	
88-75-5	2-Nitrophenol	3500	U	3500	
91-94-1	3,3'-Dichlorobenzidine	3500	U	3500	
	3- and 4-Methylphenol Coelution	3500	U	3500	
99-09-2	3-Nitroaniline	18000	U	18000	
534-52-1	4,6-Dinitro-2-methylphenol	18000	U	18000	
101-55-3	4-Bromophenyl Phenyl Ether	3500	U	3500	
59-50-7	4-Chloro-3-methylphenol	3500	U	3500	
106-47-8	4-Chloroaniline	3500	U	3500	
7005-72-3	4-Chlorophenyl Phenyl Ether	3500	U	3500	
100-01-6	4-Nitroaniline	18000	U	18000	
100-02-7	4-Nitrophenol	18000	U	18000	
83-32-9	Acenaphthene	3500	U	3500	
208-96-8	Acenaphthylene	3500	U	3500	
98-86-2	Acetophenone	3500	U	3500	
120-12-7	Anthracene	3500	U	3500	
1912-24-9	Atrazine	3500	U	3500	
56-55-3	Benz(a)anthracene	3500	U	3500	
100-52-7	Benzaldehyde	3500	U	3500	
50-32-8	Benzo(a)pyrene	3500	U	3500	
205-99-2	Benzo(b)fluoranthene	3500	U	3500	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1700
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 16:56
Sample Name:	B-12@0	**Units:**	µg/Kg
Lab Code:	R1206133-004	**Basis:**	Dry
		Percent Solids:	95.1

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL649.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	Note
191-24-2	Benzo(g,h,i)perylene	3500	U	3500	
207-08-9	Benzo(k)fluoranthene	3500	U	3500	
92-52-4	Biphenyl	3500	U	3500	
108-60-1	2,2'-Oxybis(1-chloropropane)	3500	U	3500	
111-91-1	Bis(2-chloroethoxy)methane	3500	U	3500	
111-44-4	Bis(2-chloroethyl) Ether	3500	U	3500	
117-81-7	Bis(2-ethylhexyl) Phthalate	3500	U	3500	
85-68-7	Butyl Benzyl Phthalate	3500	U	3500	
105-60-2	Caprolactam	3500	U	3500	
86-74-8	Carbazole	3500	U	3500	
218-01-9	Chrysene	3500	U	3500	
84-74-2	Di-n-butyl Phthalate	3500	U	3500	
117-84-0	Di-n-octyl Phthalate	3500	U	3500	
53-70-3	Dibenz(a,h)anthracene	3500	U	3500	
132-64-9	Dibenzofuran	3500	U	3500	
84-66-2	Diethyl Phthalate	3500	U	3500	
131-11-3	Dimethyl Phthalate	3500	U	3500	
206-44-0	Fluoranthene	3500	U	3500	
86-73-7	Fluorene	3500	U	3500	
118-74-1	Hexachlorobenzene	3500	U	3500	
87-68-3	Hexachlorobutadiene	3500	U	3500	
77-47-4	Hexachlorocyclopentadiene	3500	U	3500	
67-72-1	Hexachloroethane	3500	U	3500	
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U	3500	
78-59-1	Isophorone	3500	U	3500	
621-64-7	N-Nitrosodi-n-propylamine	3500	U	3500	
86-30-6	N-Nitrosodiphenylamine	3500	U	3500	
91-20-3	Naphthalene	3500	U	3500	
98-95-3	Nitrobenzene	3500	U	3500	
87-86-5	Pentachlorophenol (PCP)	18000	U	18000	
85-01-8	Phenanthrene	3500	U	3500	
108-95-2	Phenol	3500	U	3500	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1700
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 16:56
Sample Name:	B-12@0	**Units:**	µg/Kg
Lab Code:	R1206133-004	**Basis:**	Dry
		Percent Solids:	95.1

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL649.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	Note
129-00-0	Pyrene	3500	U	3500	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	0	*	41-151	9/19/12 16:56	
2-Fluorobiphenyl	76		49-115	9/19/12 16:56	
2-Fluorophenol	1	*	22-117	9/19/12 16:56	
Nitrobenzene-d5	75		40-112	9/19/12 16:56	
Phenol-d6	22		10-145	9/19/12 16:56	
Terphenyl-d14	73		38-137	9/19/12 16:56	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1700
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/20/12
		Date Analyzed:	9/20/12 21:00
Sample Name:	B-12@0	**Units:**	µg/Kg
Lab Code:	R1206133-004	**Basis:**	Dry
Run Type:	Reanalysis	**Percent Solids:**	95.1

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310490
Prep Method:	EPA 3541	**Extraction Lot:**	167507
Data File Name:	J:\ACQUDATA\5973A\DATA\092012\CN177.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	3500	U	3500	
88-06-2	2,4,6-Trichlorophenol	3500	U	3500	
120-83-2	2,4-Dichlorophenol	3500	U	3500	
105-67-9	2,4-Dimethylphenol	3500	U	3500	
51-28-5	2,4-Dinitrophenol	18000	U	18000	
121-14-2	2,4-Dinitrotoluene	3500	U	3500	
606-20-2	2,6-Dinitrotoluene	3500	U	3500	
91-58-7	2-Chloronaphthalene	3500	U	3500	
95-57-8	2-Chlorophenol	3500	U	3500	
91-57-6	2-Methylnaphthalene	3500	U	3500	
95-48-7	2-Methylphenol	3500	U	3500	
88-74-4	2-Nitroaniline	18000	U	18000	
88-75-5	2-Nitrophenol	3500	U	3500	
91-94-1	3,3'-Dichlorobenzidine	3500	U	3500	
	3- and 4-Methylphenol Coelution	3500	U	3500	
99-09-2	3-Nitroaniline	18000	U	18000	
534-52-1	4,6-Dinitro-2-methylphenol	18000	U	18000	
101-55-3	4-Bromophenyl Phenyl Ether	3500	U	3500	
59-50-7	4-Chloro-3-methylphenol	3500	U	3500	
106-47-8	4-Chloroaniline	3500	U	3500	
7005-72-3	4-Chlorophenyl Phenyl Ether	3500	U	3500	
100-01-6	4-Nitroaniline	18000	U	18000	
100-02-7	4-Nitrophenol	18000	U	18000	
83-32-9	Acenaphthene	3500	U	3500	
208-96-8	Acenaphthylene	3500	U	3500	
98-86-2	Acetophenone	3500	U	3500	
120-12-7	Anthracene	3500	U	3500	
1912-24-9	Atrazine	3500	U	3500	
56-55-3	Benz(a)anthracene	3500	U	3500	
100-52-7	Benzaldehyde	3500	U	3500	
50-32-8	Benzo(a)pyrene	3500	U	3500	
205-99-2	Benzo(b)fluoranthene	3500	U	3500	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1700
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/20/12
		Date Analyzed:	9/20/12 21:00
Sample Name:	B-12@0	**Units:**	µg/Kg
Lab Code:	R1206133-004	**Basis:**	Dry
Run Type:	Reanalysis	**Percent Solids:**	95.1

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310490
Prep Method:	EPA 3541	**Extraction Lot:**	167507
Data File Name:	J:\ACQUDATA\5973A\DATA\092012\CN177.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	Note
191-24-2	Benzo(g,h,i)perylene	3500	U	3500	
207-08-9	Benzo(k)fluoranthene	3500	U	3500	
92-52-4	Biphenyl	3500	U	3500	
108-60-1	2,2'-Oxybis(1-chloropropane)	3500	U	3500	
111-91-1	Bis(2-chloroethoxy)methane	3500	U	3500	
111-44-4	Bis(2-chloroethyl) Ether	3500	U	3500	
117-81-7	Bis(2-ethylhexyl) Phthalate	3500	U	3500	
85-68-7	Butyl Benzyl Phthalate	3500	U	3500	
105-60-2	Caprolactam	3500	U	3500	
86-74-8	Carbazole	3500	U	3500	
218-01-9	Chrysene	3500	U	3500	
84-74-2	Di-n-butyl Phthalate	3500	U	3500	
117-84-0	Di-n-octyl Phthalate	3500	U	3500	
53-70-3	Dibenz(a,h)anthracene	3500	U	3500	
132-64-9	Dibenzofuran	3500	U	3500	
84-66-2	Diethyl Phthalate	3500	U	3500	
131-11-3	Dimethyl Phthalate	3500	U	3500	
206-44-0	Fluoranthene	3500	U	3500	
86-73-7	Fluorene	3500	U	3500	
118-74-1	Hexachlorobenzene	3500	U	3500	
87-68-3	Hexachlorobutadiene	3500	U	3500	
77-47-4	Hexachlorocyclopentadiene	3500	U	3500	
67-72-1	Hexachloroethane	3500	U	3500	
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U	3500	
78-59-1	Isophorone	3500	U	3500	
621-64-7	N-Nitrosodi-n-propylamine	3500	U	3500	
86-30-6	N-Nitrosodiphenylamine	3500	U	3500	
91-20-3	Naphthalene	3500	U	3500	
98-95-3	Nitrobenzene	3500	U	3500	
87-86-5	Pentachlorophenol (PCP)	18000	U	18000	
85-01-8	Phenanthrene	3500	U	3500	
108-95-2	Phenol	3500	U	3500	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1700
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/20/12
		Date Analyzed:	9/20/12 21:00
Sample Name:	B-12@0	**Units:**	µg/Kg
Lab Code:	R1206133-004	**Basis:**	Dry
Run Type:	Reanalysis	**Percent Solids:**	95.1

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310490
Prep Method:	EPA 3541	**Extraction Lot:**	167507
Data File Name:	J:\ACQUDATA\5973A\DATA\092012\CN177.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	Note
129-00-0	Pyrene	3500	U	3500	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	0	*	41-151	9/20/12 21:00	
2-Fluorobiphenyl	80		49-115	9/20/12 21:00	
2-Fluorophenol	5	*	22-117	9/20/12 21:00	
Nitrobenzene-d5	70		40-112	9/20/12 21:00	
Phenol-d6	33		10-145	9/20/12 21:00	
Terphenyl-d14	69		38-137	9/20/12 21:00	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1700
Sample Matrix:	Soil	**Date Received:**	9/14/12
		Date Extracted:	9/18/12
		Date Analyzed:	9/18/12 17:33
Sample Name:	B-12@0	**Units:**	µg/Kg
Lab Code:	R1206133-004	**Basis:**	Dry
		Percent Solids:	95.1

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	310103
Prep Method:	EPA 3541	**Extraction Lot:**	167165
Data File Name:	J:\ACQUDATA\GCEXT4\DATA\091812\NI849.D\	**Instrument Name:**	R-GC-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	35	U	35	
11104-28-2	Aroclor 1221	70	U	70	
11141-16-5	Aroclor 1232	35	U	35	
53469-21-9	Aroclor 1242	35	U	35	
12672-29-6	Aroclor 1248	35	U	35	
11097-69-1	Aroclor 1254	35	U	35	
11096-82-5	Aroclor 1260	35	U	35	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	92	22-150	9/18/12 17:33	
Tetrachloro-m-xylene	78	10-126	9/18/12 17:33	

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206133
Date Collected: 9/13/12 1745
Date Received: 9/14/12

Sample Name: WB-4
Lab Code: R1206133-005

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**5920**		µg/L	100	1	9/17/12	9/20/12 00:02	
Antimony, Total	6010C	60	U	µg/L	60	1	9/17/12	9/20/12 00:02	
Arsenic, Total	6010C	10	U	µg/L	10	1	9/17/12	9/20/12 00:02	
Barium, Total	6010C	**430**		µg/L	20	1	9/17/12	9/20/12 00:02	
Beryllium, Total	6010C	5.0	U	µg/L	5.0	1	9/17/12	9/20/12 00:02	
Cadmium, Total	6010C	5.0	U	µg/L	5.0	1	9/17/12	9/20/12 00:02	
Calcium, Total	6010C	**88600**		µg/L	1000	1	9/17/12	9/20/12 00:02	
Chromium, Total	6010C	**11**		µg/L	10	1	9/17/12	9/20/12 00:02	
Cobalt, Total	6010C	50	U	µg/L	50	1	9/17/12	9/20/12 00:02	
Copper, Total	6010C	**32**		µg/L	20	1	9/17/12	9/20/12 00:02	
Iron, Total	6010C	**15400**		µg/L	100	1	9/17/12	9/20/12 00:02	
Lead, Total	6010C	**109**		µg/L	50	1	9/17/12	9/20/12 00:02	
Magnesium, Total	6010C	**18400**		µg/L	1000	1	9/17/12	9/20/12 00:02	
Manganese, Total	6010C	**1410**		µg/L	10	1	9/17/12	9/20/12 00:02	
Mercury, Total	7470A	0.20	U	µg/L	0.20	1	9/18/12	9/19/12 11:31	
Nickel, Total	6010C	40	U	µg/L	40	1	9/17/12	9/20/12 00:02	
Potassium, Total	6010C	**5700**		µg/L	2000	1	9/17/12	9/20/12 00:02	
Selenium, Total	6010C	10	U	µg/L	10	1	9/17/12	9/20/12 00:02	
Silver, Total	6010C	10	U	µg/L	10	1	9/17/12	9/20/12 00:02	
Sodium, Total	6010C	**515000**		µg/L	10000	10	9/17/12	9/21/12 17:54	
Thallium, Total	6010C	10	U	µg/L	10	1	9/17/12	9/20/12 00:02	
Vanadium, Total	6010C	50	U	µg/L	50	1	9/17/12	9/20/12 00:02	
Zinc, Total	6010C	**175**		µg/L	20	1	9/17/12	9/20/12 00:02	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1745
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Analyzed:	9/17/12 20:53
Sample Name:	WB-4	**Units:**	µg/L
Lab Code:	R1206133-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309756
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\091712\T1444.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1745
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Analyzed:	9/17/12 20:53
Sample Name:	WB-4	**Units:**	µg/L
Lab Code:	R1206133-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309756
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\091712\T1444.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85-122	9/17/12 20:53	
Dibromofluoromethane	105	89-119	9/17/12 20:53	
Toluene-d8	100	87-121	9/17/12 20:53	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1745
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Extracted:	9/17/12
		Date Analyzed:	9/18/12 01:01
Sample Name:	WB-4	**Units:**	µg/L
Lab Code:	R1206133-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	309901
Prep Method:	EPA 3510C	**Extraction Lot:**	167114
Data File Name:	J:\ACQUDATA\5973D\DATA\091712\AL612.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	11	U	11	
88-06-2	2,4,6-Trichlorophenol	11	U	11	
120-83-2	2,4-Dichlorophenol	11	U	11	
105-67-9	2,4-Dimethylphenol	11	U	11	
51-28-5	2,4-Dinitrophenol	53	U	53	
121-14-2	2,4-Dinitrotoluene	11	U	11	
606-20-2	2,6-Dinitrotoluene	11	U	11	
91-58-7	2-Chloronaphthalene	11	U	11	
95-57-8	2-Chlorophenol	11	U	11	
91-57-6	2-Methylnaphthalene	11	U	11	
95-48-7	2-Methylphenol	11	U	11	
88-74-4	2-Nitroaniline	53	U	53	
88-75-5	2-Nitrophenol	11	U	11	
91-94-1	3,3'-Dichlorobenzidine	11	U	11	
	3- and 4-Methylphenol Coelution	11	U	11	
99-09-2	3-Nitroaniline	53	U	53	
534-52-1	4,6-Dinitro-2-methylphenol	53	U	53	
101-55-3	4-Bromophenyl Phenyl Ether	11	U	11	
59-50-7	4-Chloro-3-methylphenol	11	U	11	
106-47-8	4-Chloroaniline	11	U	11	
7005-72-3	4-Chlorophenyl Phenyl Ether	11	U	11	
100-01-6	4-Nitroaniline	53	U	53	
100-02-7	4-Nitrophenol	53	U	53	
83-32-9	Acenaphthene	11	U	11	
208-96-8	Acenaphthylene	11	U	11	
98-86-2	Acetophenone	11	U	11	
120-12-7	Anthracene	11	U	11	
1912-24-9	Atrazine	11	U	11	
56-55-3	Benz(a)anthracene	11	U	11	
100-52-7	Benzaldehyde	11	U	11	
50-32-8	Benzo(a)pyrene	11	U	11	
205-99-2	Benzo(b)fluoranthene	11	U	11	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1745
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Extracted:	9/17/12
		Date Analyzed:	9/18/12 01:01
Sample Name:	WB-4	**Units:**	µg/L
Lab Code:	R1206133-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	309901
Prep Method:	EPA 3510C	**Extraction Lot:**	167114
Data File Name:	J:\ACQUDATA\5973D\DATA\091712\AL612.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
191-24-2	Benzo(g,h,i)perylene	11	U	11	
207-08-9	Benzo(k)fluoranthene	11	U	11	
92-52-4	Biphenyl	11	U	11	
108-60-1	2,2'-Oxybis(1-chloropropane)	11	U	11	
111-91-1	Bis(2-chloroethoxy)methane	11	U	11	
111-44-4	Bis(2-chloroethyl) Ether	11	U	11	
117-81-7	Bis(2-ethylhexyl) Phthalate	11	U	11	
85-68-7	Butyl Benzyl Phthalate	11	U	11	
105-60-2	Caprolactam	11	U	11	
86-74-8	Carbazole	11	U	11	
218-01-9	Chrysene	11	U	11	
84-74-2	Di-n-butyl Phthalate	11	U	11	
117-84-0	Di-n-octyl Phthalate	11	U	11	
53-70-3	Dibenz(a,h)anthracene	11	U	11	
132-64-9	Dibenzofuran	11	U	11	
84-66-2	Diethyl Phthalate	11	U	11	
131-11-3	Dimethyl Phthalate	11	U	11	
206-44-0	Fluoranthene	11	U	11	
86-73-7	Fluorene	11	U	11	
118-74-1	Hexachlorobenzene	11	U	11	
87-68-3	Hexachlorobutadiene	11	U	11	
77-47-4	Hexachlorocyclopentadiene	11	U	11	
67-72-1	Hexachloroethane	11	U	11	
193-39-5	Indeno(1,2,3-cd)pyrene	11	U	11	
78-59-1	Isophorone	11	U	11	
621-64-7	N-Nitrosodi-n-propylamine	11	U	11	
86-30-6	N-Nitrosodiphenylamine	11	U	11	
91-20-3	Naphthalene	11	U	11	
98-95-3	Nitrobenzene	11	U	11	
87-86-5	Pentachlorophenol (PCP)	53	U	53	
85-01-8	Phenanthrene	11	U	11	
108-95-2	Phenol	11	U	11	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1745
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Extracted:	9/17/12
		Date Analyzed:	9/18/12 01:01
Sample Name:	WB-4	**Units:**	µg/L
Lab Code:	R1206133-005	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	309901
Prep Method:	EPA 3510C	**Extraction Lot:**	167114
Data File Name:	J:\ACQUDATA\5973D\DATA\091712\AL612.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
129-00-0	Pyrene	11	U	11	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	101	28-157	9/18/12 01:01	
2-Fluorobiphenyl	72	39-119	9/18/12 01:01	
2-Fluorophenol	44	10-105	9/18/12 01:01	
Nitrobenzene-d5	69	37-117	9/18/12 01:01	
Phenol-d6	33	10-107	9/18/12 01:01	
Terphenyl-d14	84	40-133	9/18/12 01:01	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1745
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Extracted:	9/17/12
		Date Analyzed:	9/18/12 15:49
Sample Name:	WB-4	**Units:**	µg/L
Lab Code:	R1206133-005	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	310103
Prep Method:	EPA 3510C	**Extraction Lot:**	167115
Data File Name:	J:\ACQUDATA\GCEXT4\DATA\091812\NI846.D\	**Instrument Name:**	R-GC-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	0.94	U	0.94	
11104-28-2	Aroclor 1221	1.9	U	1.9	
11141-16-5	Aroclor 1232	0.94	U	0.94	
53469-21-9	Aroclor 1242	0.94	U	0.94	
12672-29-6	Aroclor 1248	0.94	U	0.94	
11097-69-1	Aroclor 1254	0.94	U	0.94	
11096-82-5	Aroclor 1260	0.94	U	0.94	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	97	10-124	9/18/12 15:49	
Tetrachloro-m-xylene	98	11-131	9/18/12 15:49	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1900
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Analyzed:	9/17/12 21:59
Sample Name:	WB-11	**Units:**	µg/L
Lab Code:	R1206133-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analytical Method:	8260C	**Analysis Lot:**	309756
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\091712\T1446.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	**6.2**		5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	**3.7**		1.0	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1900
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Analyzed:	9/17/12 21:59
Sample Name:	WB-11	**Units:**	µg/L
Lab Code:	R1206133-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS, Unpreserved

Analytical Method:	8260C	**Analysis Lot:**	309756
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\091712\T1446.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	**1.0**		1.0	
108-87-2	Methylcyclohexane	**4.1**		1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	**21**		2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	9/17/12 21:59	
Dibromofluoromethane	100	89-119	9/17/12 21:59	
Toluene-d8	99	87-121	9/17/12 21:59	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1900
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Extracted:	9/17/12
		Date Analyzed:	9/18/12 01:37
Sample Name:	WB-11	**Units:**	µg/L
Lab Code:	R1206133-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	309901
Prep Method:	EPA 3510C	**Extraction Lot:**	167114
Data File Name:	J:\ACQUDATA\5973D\DATA\091712\AL613.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	11	U	11	
88-06-2	2,4,6-Trichlorophenol	11	U	11	
120-83-2	2,4-Dichlorophenol	11	U	11	
105-67-9	2,4-Dimethylphenol	11	U	11	
51-28-5	2,4-Dinitrophenol	56	U	56	
121-14-2	2,4-Dinitrotoluene	11	U	11	
606-20-2	2,6-Dinitrotoluene	11	U	11	
91-58-7	2-Chloronaphthalene	11	U	11	
95-57-8	2-Chlorophenol	11	U	11	
91-57-6	2-Methylnaphthalene	11	U	11	
95-48-7	2-Methylphenol	11	U	11	
88-74-4	2-Nitroaniline	56	U	56	
88-75-5	2-Nitrophenol	11	U	11	
91-94-1	3,3'-Dichlorobenzidine	11	U	11	
	3- and 4-Methylphenol Coelution	11	U	11	
99-09-2	3-Nitroaniline	56	U	56	
534-52-1	4,6-Dinitro-2-methylphenol	56	U	56	
101-55-3	4-Bromophenyl Phenyl Ether	11	U	11	
59-50-7	4-Chloro-3-methylphenol	11	U	11	
106-47-8	4-Chloroaniline	11	U	11	
7005-72-3	4-Chlorophenyl Phenyl Ether	11	U	11	
100-01-6	4-Nitroaniline	56	U	56	
100-02-7	4-Nitrophenol	56	U	56	
83-32-9	Acenaphthene	11	U	11	
208-96-8	Acenaphthylene	11	U	11	
98-86-2	Acetophenone	11	U	11	
120-12-7	Anthracene	11	U	11	
1912-24-9	Atrazine	11	U	11	
56-55-3	Benz(a)anthracene	11	U	11	
100-52-7	Benzaldehyde	11	U	11	
50-32-8	Benzo(a)pyrene	11	U	11	
205-99-2	Benzo(b)fluoranthene	11	U	11	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1900
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Extracted:	9/17/12
		Date Analyzed:	9/18/12 01:37
Sample Name:	WB-11	**Units:**	µg/L
Lab Code:	R1206133-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	309901
Prep Method:	EPA 3510C	**Extraction Lot:**	167114
Data File Name:	J:\ACQUDATA\5973D\DATA\091712\AL613.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
191-24-2	Benzo(g,h,i)perylene	11	U	11	
207-08-9	Benzo(k)fluoranthene	11	U	11	
92-52-4	Biphenyl	11	U	11	
108-60-1	2,2'-Oxybis(1-chloropropane)	11	U	11	
111-91-1	Bis(2-chloroethoxy)methane	11	U	11	
111-44-4	Bis(2-chloroethyl) Ether	11	U	11	
117-81-7	Bis(2-ethylhexyl) Phthalate	11	U	11	
85-68-7	Butyl Benzyl Phthalate	11	U	11	
105-60-2	Caprolactam	11	U	11	
86-74-8	Carbazole	11	U	11	
218-01-9	Chrysene	11	U	11	
84-74-2	Di-n-butyl Phthalate	11	U	11	
117-84-0	Di-n-octyl Phthalate	11	U	11	
53-70-3	Dibenz(a,h)anthracene	11	U	11	
132-64-9	Dibenzofuran	11	U	11	
84-66-2	Diethyl Phthalate	11	U	11	
131-11-3	Dimethyl Phthalate	11	U	11	
206-44-0	Fluoranthene	11	U	11	
86-73-7	Fluorene	11	U	11	
118-74-1	Hexachlorobenzene	11	U	11	
87-68-3	Hexachlorobutadiene	11	U	11	
77-47-4	Hexachlorocyclopentadiene	11	U	11	
67-72-1	Hexachloroethane	11	U	11	
193-39-5	Indeno(1,2,3-cd)pyrene	11	U	11	
78-59-1	Isophorone	11	U	11	
621-64-7	N-Nitrosodi-n-propylamine	11	U	11	
86-30-6	N-Nitrosodiphenylamine	11	U	11	
91-20-3	Naphthalene	14		11	
98-95-3	Nitrobenzene	11	U	11	
87-86-5	Pentachlorophenol (PCP)	56	U	56	
85-01-8	Phenanthrene	11	U	11	
108-95-2	Phenol	11	U	11	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1900
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Extracted:	9/17/12
		Date Analyzed:	9/18/12 01:37
Sample Name:	WB-11	**Units:**	µg/L
Lab Code:	R1206133-006	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	309901
Prep Method:	EPA 3510C	**Extraction Lot:**	167114
Data File Name:	J:\ACQUDATA\5973D\DATA\091712\AL613.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
129-00-0	Pyrene	11	U	11	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	118	28-157	9/18/12 01:37	
2-Fluorobiphenyl	80	39-119	9/18/12 01:37	
2-Fluorophenol	47	10-105	9/18/12 01:37	
Nitrobenzene-d5	75	37-117	9/18/12 01:37	
Phenol-d6	35	10-107	9/18/12 01:37	
Terphenyl-d14	90	40-133	9/18/12 01:37	

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206133
Date Collected: 9/13/12 1915
Date Received: 9/14/12

Sample Name: WB-10
Lab Code: R1206133-007

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	**4270**		µg/L	100	1	9/17/12	9/20/12 00:08	
Antimony, Total	6010C	60	U	µg/L	60	1	9/17/12	9/20/12 00:08	
Arsenic, Total	6010C	10	U	µg/L	10	1	9/17/12	9/20/12 00:08	
Barium, Total	6010C	**503**		µg/L	20	1	9/17/12	9/20/12 00:08	
Beryllium, Total	6010C	5.0	U	µg/L	5.0	1	9/17/12	9/20/12 00:08	
Cadmium, Total	6010C	5.0	U	µg/L	5.0	1	9/17/12	9/20/12 00:08	
Calcium, Total	6010C	**408000**		µg/L	5000	5	9/17/12	9/21/12 18:00	
Chromium, Total	6010C	**12**		µg/L	10	1	9/17/12	9/20/12 00:08	
Cobalt, Total	6010C	50	U	µg/L	50	1	9/17/12	9/20/12 00:08	
Copper, Total	6010C	20	U	µg/L	20	1	9/17/12	9/20/12 00:08	
Iron, Total	6010C	**11000**		µg/L	100	1	9/17/12	9/20/12 00:08	
Lead, Total	6010C	50	U	µg/L	50	1	9/17/12	9/20/12 00:08	
Magnesium, Total	6010C	**97100**		µg/L	1000	1	9/17/12	9/20/12 00:08	
Manganese, Total	6010C	**3930**		µg/L	10	1	9/17/12	9/20/12 00:08	
Mercury, Total	7470A	0.20	U	µg/L	0.20	1	9/18/12	9/19/12 11:33	
Nickel, Total	6010C	40	U	µg/L	40	1	9/17/12	9/20/12 00:08	
Potassium, Total	6010C	**3100**		µg/L	2000	1	9/17/12	9/20/12 00:08	
Selenium, Total	6010C	10	U	µg/L	10	1	9/17/12	9/20/12 00:08	
Silver, Total	6010C	10	U	µg/L	10	1	9/17/12	9/20/12 00:08	
Sodium, Total	6010C	**41100**		µg/L	5000	5	9/17/12	9/21/12 18:00	
Thallium, Total	6010C	10	U	µg/L	10	1	9/17/12	9/20/12 00:08	
Vanadium, Total	6010C	50	U	µg/L	50	1	9/17/12	9/20/12 00:08	
Zinc, Total	6010C	**62**		µg/L	20	1	9/17/12	9/20/12 00:08	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1915
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Analyzed:	9/17/12 21:26
Sample Name:	WB-10	**Units:**	µg/L
Lab Code:	R1206133-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309756
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\091712\T1445.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1915
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Analyzed:	9/17/12 21:26
Sample Name:	WB-10	**Units:**	µg/L
Lab Code:	R1206133-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309756
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\091712\T1445.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85-122	9/17/12 21:26	
Dibromofluoromethane	104	89-119	9/17/12 21:26	
Toluene-d8	99	87-121	9/17/12 21:26	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1915
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Extracted:	9/17/12
		Date Analyzed:	9/18/12 02:14
Sample Name:	WB-10	**Units:**	µg/L
Lab Code:	R1206133-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	309901
Prep Method:	EPA 3510C	**Extraction Lot:**	167114
Data File Name:	J:\ACQUDATA\5973D\DATA\091712\AL614.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	9.4	U	9.4	
88-06-2	2,4,6-Trichlorophenol	9.4	U	9.4	
120-83-2	2,4-Dichlorophenol	9.4	U	9.4	
105-67-9	2,4-Dimethylphenol	9.4	U	9.4	
51-28-5	2,4-Dinitrophenol	47	U	47	
121-14-2	2,4-Dinitrotoluene	9.4	U	9.4	
606-20-2	2,6-Dinitrotoluene	9.4	U	9.4	
91-58-7	2-Chloronaphthalene	9.4	U	9.4	
95-57-8	2-Chlorophenol	9.4	U	9.4	
91-57-6	2-Methylnaphthalene	9.4	U	9.4	
95-48-7	2-Methylphenol	9.4	U	9.4	
88-74-4	2-Nitroaniline	47	U	47	
88-75-5	2-Nitrophenol	9.4	U	9.4	
91-94-1	3,3'-Dichlorobenzidine	9.4	U	9.4	
	3- and 4-Methylphenol Coelution	9.4	U	9.4	
99-09-2	3-Nitroaniline	47	U	47	
534-52-1	4,6-Dinitro-2-methylphenol	47	U	47	
101-55-3	4-Bromophenyl Phenyl Ether	9.4	U	9.4	
59-50-7	4-Chloro-3-methylphenol	9.4	U	9.4	
106-47-8	4-Chloroaniline	9.4	U	9.4	
7005-72-3	4-Chlorophenyl Phenyl Ether	9.4	U	9.4	
100-01-6	4-Nitroaniline	47	U	47	
100-02-7	4-Nitrophenol	47	U	47	
83-32-9	Acenaphthene	9.4	U	9.4	
208-96-8	Acenaphthylene	9.4	U	9.4	
98-86-2	Acetophenone	9.4	U	9.4	
120-12-7	Anthracene	9.4	U	9.4	
1912-24-9	Atrazine	9.4	U	9.4	
56-55-3	Benz(a)anthracene	9.4	U	9.4	
100-52-7	Benzaldehyde	9.4	U	9.4	
50-32-8	Benzo(a)pyrene	9.4	U	9.4	
205-99-2	Benzo(b)fluoranthene	9.4	U	9.4	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1915
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Extracted:	9/17/12
		Date Analyzed:	9/18/12 02:14
Sample Name:	WB-10	**Units:**	µg/L
Lab Code:	R1206133-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	309901
Prep Method:	EPA 3510C	**Extraction Lot:**	167114
Data File Name:	J:\ACQUDATA\5973D\DATA\091712\AL614.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
191-24-2	Benzo(g,h,i)perylene	9.4	U	9.4	
207-08-9	Benzo(k)fluoranthene	9.4	U	9.4	
92-52-4	Biphenyl	9.4	U	9.4	
108-60-1	2,2'-Oxybis(1-chloropropane)	9.4	U	9.4	
111-91-1	Bis(2-chloroethoxy)methane	9.4	U	9.4	
111-44-4	Bis(2-chloroethyl) Ether	9.4	U	9.4	
117-81-7	Bis(2-ethylhexyl) Phthalate	9.4	U	9.4	
85-68-7	Butyl Benzyl Phthalate	9.4	U	9.4	
105-60-2	Caprolactam	9.4	U	9.4	
86-74-8	Carbazole	9.4	U	9.4	
218-01-9	Chrysene	9.4	U	9.4	
84-74-2	Di-n-butyl Phthalate	9.4	U	9.4	
117-84-0	Di-n-octyl Phthalate	9.4	U	9.4	
53-70-3	Dibenz(a,h)anthracene	9.4	U	9.4	
132-64-9	Dibenzofuran	9.4	U	9.4	
84-66-2	Diethyl Phthalate	9.4	U	9.4	
131-11-3	Dimethyl Phthalate	9.4	U	9.4	
206-44-0	Fluoranthene	9.4	U	9.4	
86-73-7	Fluorene	9.4	U	9.4	
118-74-1	Hexachlorobenzene	9.4	U	9.4	
87-68-3	Hexachlorobutadiene	9.4	U	9.4	
77-47-4	Hexachlorocyclopentadiene	9.4	U	9.4	
67-72-1	Hexachloroethane	9.4	U	9.4	
193-39-5	Indeno(1,2,3-cd)pyrene	9.4	U	9.4	
78-59-1	Isophorone	9.4	U	9.4	
621-64-7	N-Nitrosodi-n-propylamine	9.4	U	9.4	
86-30-6	N-Nitrosodiphenylamine	9.4	U	9.4	
91-20-3	Naphthalene	9.4	U	9.4	
98-95-3	Nitrobenzene	9.4	U	9.4	
87-86-5	Pentachlorophenol (PCP)	47	U	47	
85-01-8	Phenanthrene	9.4	U	9.4	
108-95-2	Phenol	9.4	U	9.4	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	9/13/12 1915
Sample Matrix:	Water	**Date Received:**	9/14/12
		Date Extracted:	9/17/12
		Date Analyzed:	9/18/12 02:14
Sample Name:	WB-10	**Units:**	µg/L
Lab Code:	R1206133-007	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	309901
Prep Method:	EPA 3510C	**Extraction Lot:**	167114
Data File Name:	J:\ACQUDATA\5973D\DATA\091712\AL614.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
129-00-0	Pyrene	9.4	U	9.4	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	114	28-157	9/18/12 02:14	
2-Fluorobiphenyl	81	39-119	9/18/12 02:14	
2-Fluorophenol	49	10-105	9/18/12 02:14	
Nitrobenzene-d5	80	37-117	9/18/12 02:14	
Phenol-d6	35	10-107	9/18/12 02:14	
Terphenyl-d14	88	40-133	9/18/12 02:14	

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: R1206133-MB

Basis: As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	1.0	U	Percent	1.0	1	NA	9/17/12 20:30	

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: R1206133-MB1

Basis: Dry

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	10	U	mg/Kg	10	1	9/19/12	9/20/12 09:26	
Antimony, Total	6010C	6.0	U	mg/Kg	6.0	1	9/19/12	9/20/12 09:26	
Arsenic, Total	6010C	1.0	U	mg/Kg	1.0	1	9/19/12	9/20/12 09:26	
Barium, Total	6010C	2.0	U	mg/Kg	2.0	1	9/19/12	9/20/12 09:26	
Beryllium, Total	6010C	0.50	U	mg/Kg	0.50	1	9/19/12	9/20/12 09:26	
Cadmium, Total	6010C	0.50	U	mg/Kg	0.50	1	9/19/12	9/20/12 09:26	
Calcium, Total	6010C	100	U	mg/Kg	100	1	9/19/12	9/20/12 09:26	
Chromium, Total	6010C	1.0	U	mg/Kg	1.0	1	9/19/12	9/20/12 09:26	
Cobalt, Total	6010C	5.0	U	mg/Kg	5.0	1	9/19/12	9/20/12 09:26	
Copper, Total	6010C	2.0	U	mg/Kg	2.0	1	9/19/12	9/20/12 09:26	
Iron, Total	6010C	10	U	mg/Kg	10	1	9/19/12	9/21/12 18:12	
Lead, Total	6010C	5.0	U	mg/Kg	5.0	1	9/19/12	9/20/12 09:26	
Magnesium, Total	6010C	100	U	mg/Kg	100	1	9/19/12	9/20/12 09:26	
Manganese, Total	6010C	1.0	U	mg/Kg	1.0	1	9/19/12	9/20/12 09:26	
Mercury, Total	7471B	0.033	U	mg/Kg	0.033	1	9/20/12	9/20/12 13:56	
Nickel, Total	6010C	4.0	U	mg/Kg	4.0	1	9/19/12	9/20/12 09:26	
Potassium, Total	6010C	200	U	mg/Kg	200	1	9/19/12	9/20/12 09:26	
Selenium, Total	6010C	1.0	U	mg/Kg	1.0	1	9/19/12	9/20/12 09:26	
Silver, Total	6010C	1.0	U	mg/Kg	1.0	1	9/19/12	9/20/12 09:26	
Sodium, Total	6010C	100	U	mg/Kg	100	1	9/19/12	9/20/12 09:26	
Thallium, Total	6010C	1.0	U	mg/Kg	1.0	1	9/19/12	9/20/12 09:26	
Vanadium, Total	6010C	5.0	U	mg/Kg	5.0	1	9/19/12	9/20/12 09:26	
Zinc, Total	6010C	2.0	U	mg/Kg	2.0	1	9/19/12	9/20/12 09:26	

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206133
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: R1206133-MB2

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Aluminum, Total	6010C	100	U	µg/L	100	1	9/17/12	9/19/12 21:16	
Antimony, Total	6010C	60	U	µg/L	60	1	9/17/12	9/19/12 21:16	
Arsenic, Total	6010C	10	U	µg/L	10	1	9/17/12	9/19/12 21:16	
Barium, Total	6010C	20	U	µg/L	20	1	9/17/12	9/19/12 21:16	
Beryllium, Total	6010C	5.0	U	µg/L	5.0	1	9/17/12	9/19/12 21:16	
Cadmium, Total	6010C	5.0	U	µg/L	5.0	1	9/17/12	9/19/12 21:16	
Calcium, Total	6010C	1000	U	µg/L	1000	1	9/17/12	9/19/12 21:16	
Chromium, Total	6010C	10	U	µg/L	10	1	9/17/12	9/19/12 21:16	
Cobalt, Total	6010C	50	U	µg/L	50	1	9/17/12	9/19/12 21:16	
Copper, Total	6010C	20	U	µg/L	20	1	9/17/12	9/19/12 21:16	
Iron, Total	6010C	100	U	µg/L	100	1	9/17/12	9/19/12 21:16	
Lead, Total	6010C	50	U	µg/L	50	1	9/17/12	9/19/12 21:16	
Magnesium, Total	6010C	1000	U	µg/L	1000	1	9/17/12	9/19/12 21:16	
Manganese, Total	6010C	10	U	µg/L	10	1	9/17/12	9/19/12 21:16	
Mercury, Total	7470A	0.20	U	µg/L	0.20	1	9/18/12	9/19/12 11:02	
Nickel, Total	6010C	40	U	µg/L	40	1	9/17/12	9/19/12 21:16	
Potassium, Total	6010C	2000	U	µg/L	2000	1	9/17/12	9/19/12 21:16	
Selenium, Total	6010C	10	U	µg/L	10	1	9/17/12	9/19/12 21:16	
Silver, Total	6010C	10	U	µg/L	10	1	9/17/12	9/19/12 21:16	
Sodium, Total	6010C	1000	U	µg/L	1000	1	9/17/12	9/21/12 17:42	
Thallium, Total	6010C	10	U	µg/L	10	1	9/17/12	9/19/12 21:16	
Vanadium, Total	6010C	50	U	µg/L	50	1	9/17/12	9/19/12 21:16	
Zinc, Total	6010C	20	U	µg/L	20	1	9/17/12	9/19/12 21:16	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	9/17/12 13:19
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1210900-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309721
Data File Name:	J:\ACQUDATA\MSVOA5\DATA\091712\M0892.D\	**Instrument Name:**	R-MS-05
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	5.0	U	5.0	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	5.0	U	5.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	5.0	U	5.0	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	5.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	5.0	U	5.0	
106-93-4	1,2-Dibromoethane	5.0	U	5.0	
95-50-1	1,2-Dichlorobenzene	5.0	U	5.0	
107-06-2	1,2-Dichloroethane	5.0	U	5.0	
78-87-5	1,2-Dichloropropane	5.0	U	5.0	
541-73-1	1,3-Dichlorobenzene	5.0	U	5.0	
106-46-7	1,4-Dichlorobenzene	5.0	U	5.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	5.0	U	5.0	
75-27-4	Bromodichloromethane	5.0	U	5.0	
75-25-2	Bromoform	5.0	U	5.0	
74-83-9	Bromomethane	5.0	U	5.0	
75-15-0	Carbon Disulfide	5.0	U	5.0	
56-23-5	Carbon Tetrachloride	5.0	U	5.0	
108-90-7	Chlorobenzene	5.0	U	5.0	
75-00-3	Chloroethane	5.0	U	5.0	
67-66-3	Chloroform	5.0	U	5.0	
74-87-3	Chloromethane	5.0	U	5.0	
110-82-7	Cyclohexane	5.0	U	5.0	
124-48-1	Dibromochloromethane	5.0	U	5.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	5.0	U	5.0	
75-09-2	Dichloromethane	5.0	U	5.0	
100-41-4	Ethylbenzene	5.0	U	5.0	
98-82-8	Isopropylbenzene (Cumene)	5.0	U	5.0	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	9/17/12 13:19
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1210900-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309721
Data File Name:	J:\ACQUDATA\MSVOA5\DATA\091712\M0892.D\	**Instrument Name:**	R-MS-05
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	5.0	U	5.0	
1634-04-4	Methyl tert-Butyl Ether	5.0	U	5.0	
108-87-2	Methylcyclohexane	5.0	U	5.0	
100-42-5	Styrene	5.0	U	5.0	
127-18-4	Tetrachloroethene (PCE)	5.0	U	5.0	
108-88-3	Toluene	5.0	U	5.0	
79-01-6	Trichloroethene (TCE)	5.0	U	5.0	
75-69-4	Trichlorofluoromethane (CFC 11)	5.0	U	5.0	
75-01-4	Vinyl Chloride	5.0	U	5.0	
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	
179601-23-1	m,p-Xylenes	10	U	10	
95-47-6	o-Xylene	5.0	U	5.0	
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	28-150	9/17/12 13:19	
Dibromofluoromethane	100	63-138	9/17/12 13:19	
Toluene-d8	103	66-138	9/17/12 13:19	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	9/17/12 17:33
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1210869-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309756
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\091712\T1438.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	9/17/12 17:33
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1210869-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309756
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\091712\T1438.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85-122	9/17/12 17:33	
Dibromofluoromethane	101	89-119	9/17/12 17:33	
Toluene-d8	100	87-121	9/17/12 17:33	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	9/19/12 06:44
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1210886-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309793
Data File Name:	J:\ACQUDATA\msvoa12\Data\091812\T1505.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	50.

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	250	U	250	
79-34-5	1,1,2,2-Tetrachloroethane	250	U	250	
79-00-5	1,1,2-Trichloroethane	250	U	250	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	250	
75-34-3	1,1-Dichloroethane (1,1-DCA)	250	U	250	
75-35-4	1,1-Dichloroethene (1,1-DCE)	250	U	250	
120-82-1	1,2,4-Trichlorobenzene	250	U	250	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	250	U	250	
106-93-4	1,2-Dibromoethane	250	U	250	
95-50-1	1,2-Dichlorobenzene	250	U	250	
107-06-2	1,2-Dichloroethane	250	U	250	
78-87-5	1,2-Dichloropropane	250	U	250	
541-73-1	1,3-Dichlorobenzene	250	U	250	
106-46-7	1,4-Dichlorobenzene	250	U	250	
78-93-3	2-Butanone (MEK)	250	U	250	
591-78-6	2-Hexanone	250	U	250	
108-10-1	4-Methyl-2-pentanone	250	U	250	
67-64-1	Acetone	250	U	250	
71-43-2	Benzene	250	U	250	
75-27-4	Bromodichloromethane	250	U	250	
75-25-2	Bromoform	250	U	250	
74-83-9	Bromomethane	250	U	250	
75-15-0	Carbon Disulfide	250	U	250	
56-23-5	Carbon Tetrachloride	250	U	250	
108-90-7	Chlorobenzene	250	U	250	
75-00-3	Chloroethane	250	U	250	
67-66-3	Chloroform	250	U	250	
74-87-3	Chloromethane	250	U	250	
110-82-7	Cyclohexane	250	U	250	
124-48-1	Dibromochloromethane	250	U	250	
75-71-8	Dichlorodifluoromethane (CFC 12)	250	U	250	
75-09-2	Dichloromethane	250	U	250	
100-41-4	Ethylbenzene	250	U	250	
98-82-8	Isopropylbenzene (Cumene)	250	U	250	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Analyzed:	9/19/12 06:44
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1210886-04	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	309793
Data File Name:	J:\ACQUDATA\msvoa12\Data\091812\T1505.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	50.

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	250	U	250	
1634-04-4	Methyl tert-Butyl Ether	250	U	250	
108-87-2	Methylcyclohexane	250	U	250	
100-42-5	Styrene	250	U	250	
127-18-4	Tetrachloroethene (PCE)	250	U	250	
108-88-3	Toluene	250	U	250	
79-01-6	Trichloroethene (TCE)	250	U	250	
75-69-4	Trichlorofluoromethane (CFC 11)	250	U	250	
75-01-4	Vinyl Chloride	250	U	250	
156-59-2	cis-1,2-Dichloroethene	250	U	250	
10061-01-5	cis-1,3-Dichloropropene	250	U	250	
179601-23-1	m,p-Xylenes	500	U	500	
95-47-6	o-Xylene	250	U	250	
156-60-5	trans-1,2-Dichloroethene	250	U	250	
10061-02-6	trans-1,3-Dichloropropene	250	U	250	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85-122	9/19/12 06:44	
Dibromofluoromethane	104	89-119	9/19/12 06:44	
Toluene-d8	101	87-121	9/19/12 06:44	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	9/17/12
		Date Analyzed:	9/17/12 17:44
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1210799-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	309901
Prep Method:	EPA 3510C	**Extraction Lot:**	167114
Data File Name:	J:\ACQUDATA\5973D\DATA\091712\AL600.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	10	U	10	
88-06-2	2,4,6-Trichlorophenol	10	U	10	
120-83-2	2,4-Dichlorophenol	10	U	10	
105-67-9	2,4-Dimethylphenol	10	U	10	
51-28-5	2,4-Dinitrophenol	50	U	50	
121-14-2	2,4-Dinitrotoluene	10	U	10	
606-20-2	2,6-Dinitrotoluene	10	U	10	
91-58-7	2-Chloronaphthalene	10	U	10	
95-57-8	2-Chlorophenol	10	U	10	
91-57-6	2-Methylnaphthalene	10	U	10	
95-48-7	2-Methylphenol	10	U	10	
88-74-4	2-Nitroaniline	50	U	50	
88-75-5	2-Nitrophenol	10	U	10	
91-94-1	3,3'-Dichlorobenzidine	10	U	10	
	3- and 4-Methylphenol Coelution	10	U	10	
99-09-2	3-Nitroaniline	50	U	50	
534-52-1	4,6-Dinitro-2-methylphenol	50	U	50	
101-55-3	4-Bromophenyl Phenyl Ether	10	U	10	
59-50-7	4-Chloro-3-methylphenol	10	U	10	
106-47-8	4-Chloroaniline	10	U	10	
7005-72-3	4-Chlorophenyl Phenyl Ether	10	U	10	
100-01-6	4-Nitroaniline	50	U	50	
100-02-7	4-Nitrophenol	50	U	50	
83-32-9	Acenaphthene	10	U	10	
208-96-8	Acenaphthylene	10	U	10	
98-86-2	Acetophenone	10	U	10	
120-12-7	Anthracene	10	U	10	
1912-24-9	Atrazine	10	U	10	
56-55-3	Benz(a)anthracene	10	U	10	
100-52-7	Benzaldehyde	10	U	10	
50-32-8	Benzo(a)pyrene	10	U	10	
205-99-2	Benzo(b)fluoranthene	10	U	10	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	9/17/12
		Date Analyzed:	9/17/12 17:44
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1210799-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	309901
Prep Method:	EPA 3510C	**Extraction Lot:**	167114
Data File Name:	J:\ACQUDATA\5973D\DATA\091712\AL600.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
191-24-2	Benzo(g,h,i)perylene	10	U	10	
207-08-9	Benzo(k)fluoranthene	10	U	10	
92-52-4	Biphenyl	10	U	10	
108-60-1	2,2'-Oxybis(1-chloropropane)	10	U	10	
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	
111-44-4	Bis(2-chloroethyl) Ether	10	U	10	
117-81-7	Bis(2-ethylhexyl) Phthalate	10	U	10	
85-68-7	Butyl Benzyl Phthalate	10	U	10	
105-60-2	Caprolactam	10	U	10	
86-74-8	Carbazole	10	U	10	
218-01-9	Chrysene	10	U	10	
84-74-2	Di-n-butyl Phthalate	10	U	10	
117-84-0	Di-n-octyl Phthalate	10	U	10	
53-70-3	Dibenz(a,h)anthracene	10	U	10	
132-64-9	Dibenzofuran	10	U	10	
84-66-2	Diethyl Phthalate	10	U	10	
131-11-3	Dimethyl Phthalate	10	U	10	
206-44-0	Fluoranthene	10	U	10	
86-73-7	Fluorene	10	U	10	
118-74-1	Hexachlorobenzene	10	U	10	
87-68-3	Hexachlorobutadiene	10	U	10	
77-47-4	Hexachlorocyclopentadiene	10	U	10	
67-72-1	Hexachloroethane	10	U	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	10	
78-59-1	Isophorone	10	U	10	
621-64-7	N-Nitrosodi-n-propylamine	10	U	10	
86-30-6	N-Nitrosodiphenylamine	10	U	10	
91-20-3	Naphthalene	10	U	10	
98-95-3	Nitrobenzene	10	U	10	
87-86-5	Pentachlorophenol (PCP)	50	U	50	
85-01-8	Phenanthrene	10	U	10	
108-95-2	Phenol	10	U	10	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	9/17/12
		Date Analyzed:	9/17/12 17:44
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1210799-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	309901
Prep Method:	EPA 3510C	**Extraction Lot:**	167114
Data File Name:	J:\ACQUDATA\5973D\DATA\091712\AL600.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
129-00-0	Pyrene	10	U	10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	108	28-157	9/17/12 17:44	
2-Fluorobiphenyl	82	39-119	9/17/12 17:44	
2-Fluorophenol	44	10-105	9/17/12 17:44	
Nitrobenzene-d5	80	37-117	9/17/12 17:44	
Phenol-d6	30	10-107	9/17/12 17:44	
Terphenyl-d14	91	40-133	9/17/12 17:44	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 13:18
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1210893-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL643.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	330	U	330	
88-06-2	2,4,6-Trichlorophenol	330	U	330	
120-83-2	2,4-Dichlorophenol	330	U	330	
105-67-9	2,4-Dimethylphenol	330	U	330	
51-28-5	2,4-Dinitrophenol	1700	U	1700	
121-14-2	2,4-Dinitrotoluene	330	U	330	
606-20-2	2,6-Dinitrotoluene	330	U	330	
91-58-7	2-Chloronaphthalene	330	U	330	
95-57-8	2-Chlorophenol	330	U	330	
91-57-6	2-Methylnaphthalene	330	U	330	
95-48-7	2-Methylphenol	330	U	330	
88-74-4	2-Nitroaniline	1700	U	1700	
88-75-5	2-Nitrophenol	330	U	330	
91-94-1	3,3'-Dichlorobenzidine	330	U	330	
	3- and 4-Methylphenol Coelution	330	U	330	
99-09-2	3-Nitroaniline	1700	U	1700	
534-52-1	4,6-Dinitro-2-methylphenol	1700	U	1700	
101-55-3	4-Bromophenyl Phenyl Ether	330	U	330	
59-50-7	4-Chloro-3-methylphenol	330	U	330	
106-47-8	4-Chloroaniline	330	U	330	
7005-72-3	4-Chlorophenyl Phenyl Ether	330	U	330	
100-01-6	4-Nitroaniline	1700	U	1700	
100-02-7	4-Nitrophenol	1700	U	1700	
83-32-9	Acenaphthene	330	U	330	
208-96-8	Acenaphthylene	330	U	330	
98-86-2	Acetophenone	330	U	330	
120-12-7	Anthracene	330	U	330	
1912-24-9	Atrazine	330	U	330	
56-55-3	Benz(a)anthracene	330	U	330	
100-52-7	Benzaldehyde	330	U	330	
50-32-8	Benzo(a)pyrene	330	U	330	
205-99-2	Benzo(b)fluoranthene	330	U	330	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 13:18
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1210893-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL643.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
191-24-2	Benzo(g,h,i)perylene	330	U	330	
207-08-9	Benzo(k)fluoranthene	330	U	330	
92-52-4	Biphenyl	330	U	330	
108-60-1	2,2'-Oxybis(1-chloropropane)	330	U	330	
111-91-1	Bis(2-chloroethoxy)methane	330	U	330	
111-44-4	Bis(2-chloroethyl) Ether	330	U	330	
117-81-7	Bis(2-ethylhexyl) Phthalate	330	U	330	
85-68-7	Butyl Benzyl Phthalate	330	U	330	
105-60-2	Caprolactam	330	U	330	
86-74-8	Carbazole	330	U	330	
218-01-9	Chrysene	330	U	330	
84-74-2	Di-n-butyl Phthalate	330	U	330	
117-84-0	Di-n-octyl Phthalate	330	U	330	
53-70-3	Dibenz(a,h)anthracene	330	U	330	
132-64-9	Dibenzofuran	330	U	330	
84-66-2	Diethyl Phthalate	330	U	330	
131-11-3	Dimethyl Phthalate	330	U	330	
206-44-0	Fluoranthene	330	U	330	
86-73-7	Fluorene	330	U	330	
118-74-1	Hexachlorobenzene	330	U	330	
87-68-3	Hexachlorobutadiene	330	U	330	
77-47-4	Hexachlorocyclopentadiene	330	U	330	
67-72-1	Hexachloroethane	330	U	330	
193-39-5	Indeno(1,2,3-cd)pyrene	330	U	330	
78-59-1	Isophorone	330	U	330	
621-64-7	N-Nitrosodi-n-propylamine	330	U	330	
86-30-6	N-Nitrosodiphenylamine	330	U	330	
91-20-3	Naphthalene	330	U	330	
98-95-3	Nitrobenzene	330	U	330	
87-86-5	Pentachlorophenol (PCP)	1700	U	1700	
85-01-8	Phenanthrene	330	U	330	
108-95-2	Phenol	330	U	330	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 13:18
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1210893-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310306
Prep Method:	EPA 3541	**Extraction Lot:**	167216
Data File Name:	J:\ACQUDATA\5973D\DATA\091912\AL643.D\	**Instrument Name:**	R-MS-54
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
129-00-0	Pyrene	330	U	330	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	112	41-151	9/19/12 13:18	
2-Fluorobiphenyl	86	49-115	9/19/12 13:18	
2-Fluorophenol	74	22-117	9/19/12 13:18	
Nitrobenzene-d5	85	40-112	9/19/12 13:18	
Phenol-d6	79	10-145	9/19/12 13:18	
Terphenyl-d14	89	38-137	9/19/12 13:18	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/20/12
		Date Analyzed:	9/20/12 17:14
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1211057-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310490
Prep Method:	EPA 3541	**Extraction Lot:**	167507
Data File Name:	J:\ACQUDATA\5973A\DATA\092012\CN171.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
95-95-4	2,4,5-Trichlorophenol	330	U	330	
88-06-2	2,4,6-Trichlorophenol	330	U	330	
120-83-2	2,4-Dichlorophenol	330	U	330	
105-67-9	2,4-Dimethylphenol	330	U	330	
51-28-5	2,4-Dinitrophenol	1700	U	1700	
121-14-2	2,4-Dinitrotoluene	330	U	330	
606-20-2	2,6-Dinitrotoluene	330	U	330	
91-58-7	2-Chloronaphthalene	330	U	330	
95-57-8	2-Chlorophenol	330	U	330	
91-57-6	2-Methylnaphthalene	330	U	330	
95-48-7	2-Methylphenol	330	U	330	
88-74-4	2-Nitroaniline	1700	U	1700	
88-75-5	2-Nitrophenol	330	U	330	
91-94-1	3,3'-Dichlorobenzidine	330	U	330	
	3- and 4-Methylphenol Coelution	330	U	330	
99-09-2	3-Nitroaniline	1700	U	1700	
534-52-1	4,6-Dinitro-2-methylphenol	1700	U	1700	
101-55-3	4-Bromophenyl Phenyl Ether	330	U	330	
59-50-7	4-Chloro-3-methylphenol	330	U	330	
106-47-8	4-Chloroaniline	330	U	330	
7005-72-3	4-Chlorophenyl Phenyl Ether	330	U	330	
100-01-6	4-Nitroaniline	1700	U	1700	
100-02-7	4-Nitrophenol	1700	U	1700	
83-32-9	Acenaphthene	330	U	330	
208-96-8	Acenaphthylene	330	U	330	
98-86-2	Acetophenone	330	U	330	
120-12-7	Anthracene	330	U	330	
1912-24-9	Atrazine	330	U	330	
56-55-3	Benz(a)anthracene	330	U	330	
100-52-7	Benzaldehyde	330	U	330	
50-32-8	Benzo(a)pyrene	330	U	330	
205-99-2	Benzo(b)fluoranthene	330	U	330	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/20/12
		Date Analyzed:	9/20/12 17:14
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1211057-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310490
Prep Method:	EPA 3541	**Extraction Lot:**	167507
Data File Name:	J:\ACQUDATA\5973A\DATA\092012\CN171.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
191-24-2	Benzo(g,h,i)perylene	330	U	330	
207-08-9	Benzo(k)fluoranthene	330	U	330	
92-52-4	Biphenyl	330	U	330	
108-60-1	2,2'-Oxybis(1-chloropropane)	330	U	330	
111-91-1	Bis(2-chloroethoxy)methane	330	U	330	
111-44-4	Bis(2-chloroethyl) Ether	330	U	330	
117-81-7	Bis(2-ethylhexyl) Phthalate	330	U	330	
85-68-7	Butyl Benzyl Phthalate	330	U	330	
105-60-2	Caprolactam	330	U	330	
86-74-8	Carbazole	330	U	330	
218-01-9	Chrysene	330	U	330	
84-74-2	Di-n-butyl Phthalate	330	U	330	
117-84-0	Di-n-octyl Phthalate	330	U	330	
53-70-3	Dibenz(a,h)anthracene	330	U	330	
132-64-9	Dibenzofuran	330	U	330	
84-66-2	Diethyl Phthalate	330	U	330	
131-11-3	Dimethyl Phthalate	330	U	330	
206-44-0	Fluoranthene	330	U	330	
86-73-7	Fluorene	330	U	330	
118-74-1	Hexachlorobenzene	330	U	330	
87-68-3	Hexachlorobutadiene	330	U	330	
77-47-4	Hexachlorocyclopentadiene	330	U	330	
67-72-1	Hexachloroethane	330	U	330	
193-39-5	Indeno(1,2,3-cd)pyrene	330	U	330	
78-59-1	Isophorone	330	U	330	
621-64-7	N-Nitrosodi-n-propylamine	330	U	330	
86-30-6	N-Nitrosodiphenylamine	330	U	330	
91-20-3	Naphthalene	330	U	330	
98-95-3	Nitrobenzene	330	U	330	
87-86-5	Pentachlorophenol (PCP)	1700	U	1700	
85-01-8	Phenanthrene	330	U	330	
108-95-2	Phenol	330	U	330	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/20/12
		Date Analyzed:	9/20/12 17:14
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1211057-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	310490
Prep Method:	EPA 3541	**Extraction Lot:**	167507
Data File Name:	J:\ACQUDATA\5973A\DATA\092012\CN171.D\	**Instrument Name:**	R-MS-51
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
129-00-0	Pyrene	330	U	330	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	73	41-151	9/20/12 17:14	
2-Fluorobiphenyl	81	49-115	9/20/12 17:14	
2-Fluorophenol	50	22-117	9/20/12 17:14	
Nitrobenzene-d5	82	40-112	9/20/12 17:14	
Phenol-d6	34	10-145	9/20/12 17:14	
Terphenyl-d14	89	38-137	9/20/12 17:14	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Extracted:	9/17/12
		Date Analyzed:	9/18/12 14:05
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1210800-01	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	310103
Prep Method:	EPA 3510C	**Extraction Lot:**	167115
Data File Name:	J:\ACQUDATA\GCEXT4\DATA\091812\NI843.D\	**Instrument Name:**	R-GC-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	1.0	U	1.0	
11104-28-2	Aroclor 1221	2.0	U	2.0	
11141-16-5	Aroclor 1232	1.0	U	1.0	
53469-21-9	Aroclor 1242	1.0	U	1.0	
12672-29-6	Aroclor 1248	1.0	U	1.0	
11097-69-1	Aroclor 1254	1.0	U	1.0	
11096-82-5	Aroclor 1260	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	100	10-124	9/18/12 14:05	
Tetrachloro-m-xylene	81	11-131	9/18/12 14:05	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/18/12
		Date Analyzed:	9/18/12 21:01
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1210892-01	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	310103
Prep Method:	EPA 3541	**Extraction Lot:**	167165
Data File Name:	J:\ACQUDATA\GCEXT4\DATA\091812\NI855.D\	**Instrument Name:**	R-GC-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	33	U	33	
11104-28-2	Aroclor 1221	67	U	67	
11141-16-5	Aroclor 1232	33	U	33	
53469-21-9	Aroclor 1242	33	U	33	
12672-29-6	Aroclor 1248	33	U	33	
11097-69-1	Aroclor 1254	33	U	33	
11096-82-5	Aroclor 1260	33	U	33	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	111	22-150	9/18/12 21:01	
Tetrachloro-m-xylene	88	10-126	9/18/12 21:01	

Client:	Seeler Engineering, PC	**Service Request:**	R1206133
Project:	Phase II - Spencer Road/019.007	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	9/18/12
		Date Analyzed:	9/19/12 15:56
Sample Name:	Method Blank	**Units:**	µg/Kg
Lab Code:	RQ1210892-01	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analytical Method:	8082A	**Analysis Lot:**	310247
Prep Method:	EPA 3541	**Extraction Lot:**	167165
Data File Name:	J:\ACQUDATA\6890G\DATA\091912\AS554.D\	**Instrument Name:**	R-GC-58
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
12674-11-2	Aroclor 1016	33	U	33	
11104-28-2	Aroclor 1221	67	U	67	
11141-16-5	Aroclor 1232	33	U	33	
53469-21-9	Aroclor 1242	33	U	33	
12672-29-6	Aroclor 1248	33	U	33	
11097-69-1	Aroclor 1254	33	U	33	
11096-82-5	Aroclor 1260	33	U	33	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	106	22-150	9/19/12 15:56	
Tetrachloro-m-xylene	74	10-126	9/19/12 15:56	

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Analyzed: 9/20/12 - 9/21/12

Lab Control Sample Summary
Inorganic Parameters

Units: mg/Kg
Basis: Dry

Analyte Name	Method	Lab Control Sample R1206133-LCS1 Result	Spike Amount	% Rec	% Rec Limits
Aluminum, Total	6010C	6870	8400	82	47.0 - 152
Antimony, Total	6010C	108	93.3	116	0.0 - 199
Arsenic, Total	6010C	85.3	94.5	90	82.3 - 117
Barium, Total	6010C	156	167	93	83.8 - 115
Beryllium, Total	6010C	50.5	57.6	88	83.0 - 117
Cadmium, Total	6010C	53.3	60.5	88	83.1 - 116
Calcium, Total	6010C	5240	6140	85	83.2 - 116
Chromium, Total	6010C	65.7	70.4	93	81.8 - 118
Cobalt, Total	6010C	97.1	102	95	83.2 - 116
Copper, Total	6010C	73.8	79.6	93	83.8 - 116
Iron, Total	6010C	11500	12500	92	50.6 - 149
Lead, Total	6010C	85.4	91.8	93	82.2 - 117
Magnesium, Total	6010C	2310	2580	90	76.0 - 123
Manganese, Total	6010C	256	283	90	82.3 - 117
Mercury, Total	7471B	3.26	3.73	87	71.6 - 128
Nickel, Total	6010C	53.0	57.6	92	82.8 - 117
Potassium, Total	6010C	2150	2490	86	69.9 - 129
Selenium, Total	6010C	77.6	86.4	90	80.1 - 120
Silver, Total	6010C	31.5	34.4	92	66.3 - 134
Sodium, Total	6010C	178	215	83	67.0 - 133
Thallium, Total	6010C	107	120	89	78.2 - 120
Vanadium, Total	6010C	51.9	57.0	91	73.5 - 126
Zinc, Total	6010C	127	140	91	82.1 - 117

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206133
Date Analyzed: 9/19/12 - 9/21/12

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R1206133-LCS2 Result	Spike Amount	% Rec	% Rec Limits
Aluminum, Total	6010C	2120	2000	106	80 - 120
Antimony, Total	6010C	486	500	97	80 - 120
Arsenic, Total	6010C	39.3	40	98	80 - 120
Barium, Total	6010C	2050	2000	103	80 - 120
Beryllium, Total	6010C	49.1	50.0	98	80 - 120
Cadmium, Total	6010C	50.8	50.0	102	80 - 120
Calcium, Total	6010C	2050	2000	102	80 - 120
Chromium, Total	6010C	208	200	104	80 - 120
Cobalt, Total	6010C	534	500	107	80 - 120
Copper, Total	6010C	265	250	106	80 - 120
Iron, Total	6010C	1020	1000	102	80 - 120
Lead, Total	6010C	526	500	105	80 - 120
Magnesium, Total	6010C	2070	2000	103	80 - 120
Manganese, Total	6010C	511	500	102	80 - 120
Mercury, Total	7470A	0.933	1.00	93	80 - 120
Nickel, Total	6010C	460	500	92	80 - 120
Potassium, Total	6010C	19800	20000	99	80 - 120
Selenium, Total	6010C	1030	1010	102	80 - 120
Silver, Total	6010C	50.9	50	102	80 - 120
Sodium, Total	6010C	19500	20000	97	80 - 120
Thallium, Total	6010C	2070	2000	103	80 - 120
Vanadium, Total	6010C	497	500	99	80 - 120
Zinc, Total	6010C	537	500	107	80 - 120

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206133
Date Analyzed: 9/17/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 309756

Lab Control Sample
RQ1210869-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	19.7	20.0	99	67 - 121
1,1,2,2-Tetrachloroethane	19.2	20.0	96	72 - 124
1,1,2-Trichloroethane	20.0	20.0	100	81 - 117
1,1,2-Trichloro-1,2,2-trifluoroethane	19.2	20.0	96	60 - 122
1,1-Dichloroethane (1,1-DCA)	20.5	20.0	103	76 - 124
1,1-Dichloroethene (1,1-DCE)	20.3	20.0	101	67 - 119
1,2,4-Trichlorobenzene	23.5	20.0	118	70 - 128
1,2-Dibromo-3-chloropropane (DBCP)	19.9	20.0	99	64 - 131
1,2-Dibromoethane	20.5	20.0	103	81 - 118
1,2-Dichlorobenzene	20.0	20.0	100	80 - 119
1,2-Dichloroethane	19.5	20.0	97	72 - 130
1,2-Dichloropropane	20.4	20.0	102	83 - 119
1,3-Dichlorobenzene	19.8	20.0	99	79 - 121
1,4-Dichlorobenzene	20.2	20.0	101	79 - 119
2-Butanone (MEK)	18.2	20.0	91	60 - 133
2-Hexanone	17.9	20.0	90	61 - 131
4-Methyl-2-pentanone	19.0	20.0	95	61 - 132
Acetone	17.6	20.0	88	64 - 133
Benzene	20.0	20.0	100	78 - 118
Bromodichloromethane	21.1	20.0	106	79 - 123
Bromoform	22.3	20.0	111	69 - 126
Bromomethane	18.3	20.0	91	49 - 124
Carbon Disulfide	20.2	20.0	101	67 - 138
Carbon Tetrachloride	21.3	20.0	107	64 - 129
Chlorobenzene	19.8	20.0	99	80 - 121
Chloroethane	18.2	20.0	91	72 - 130
Chloroform	19.7	20.0	99	75 - 123
Chloromethane	17.0	20.0	85	55 - 139
Cyclohexane	16.7	20.0	83	55 - 132
Dibromochloromethane	22.0	20.0	110	78 - 127
Dichlorodifluoromethane (CFC 12)	18.0	20.0	90	45 - 147
Dichloromethane	19.5	20.0	97	73 - 122

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206133
Date Analyzed: 9/17/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 309756

Lab Control Sample
RQ1210869-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Ethylbenzene	19.2	20.0	96	75 - 123
Isopropylbenzene (Cumene)	20.3	20.0	101	75 - 139
Methyl Acetate	20.0	20.0	100	65 - 131
Methyl tert-Butyl Ether	21.0	20.0	105	75 - 116
Methylcyclohexane	16.9	20.0	85	59 - 127
Styrene	19.4	20.0	97	80 - 121
Tetrachloroethene (PCE)	19.2	20.0	96	71 - 127
Toluene	20.1	20.0	100	77 - 120
Trichloroethene (TCE)	19.7	20.0	98	75 - 122
Trichlorofluoromethane (CFC 11)	21.2	20.0	106	64 - 134
Vinyl Chloride	18.4	20.0	92	68 - 139
cis-1,2-Dichloroethene	19.9	20.0	100	77 - 123
cis-1,3-Dichloropropene	19.2	20.0	96	77 - 125
m,p-Xylenes	39.4	40.0	98	77 - 124
o-Xylene	19.6	20.0	98	77 - 131
trans-1,2-Dichloroethene	19.2	20.0	96	72 - 120
trans-1,3-Dichloropropene	19.8	20.0	99	69 - 127

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206133
Date Analyzed: 9/17/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 309756

Lab Control Sample
RQ1210869-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	19.7	20.0	99	67 - 121
1,1,2,2-Tetrachloroethane	19.2	20.0	96	72 - 124
1,1,2-Trichloroethane	20.0	20.0	100	81 - 117
1,1,2-Trichloro-1,2,2-trifluoroethane	19.2	20.0	96	60 - 122
1,1-Dichloroethane (1,1-DCA)	20.5	20.0	103	76 - 124
1,1-Dichloroethene (1,1-DCE)	20.3	20.0	101	67 - 119
1,2,4-Trichlorobenzene	23.5	20.0	118	70 - 128
1,2-Dibromo-3-chloropropane (DBCP)	19.9	20.0	99	64 - 131
1,2-Dibromoethane	20.5	20.0	103	81 - 118
1,2-Dichlorobenzene	20.0	20.0	100	80 - 119
1,2-Dichloroethane	19.5	20.0	97	72 - 130
1,2-Dichloropropane	20.4	20.0	102	83 - 119
1,3-Dichlorobenzene	19.8	20.0	99	79 - 121
1,4-Dichlorobenzene	20.2	20.0	101	79 - 119
2-Butanone (MEK)	18.2	20.0	91	60 - 133
2-Hexanone	17.9	20.0	90	61 - 131
4-Methyl-2-pentanone	19.0	20.0	95	61 - 132
Acetone	17.6	20.0	88	64 - 133
Benzene	20.0	20.0	100	78 - 118
Bromodichloromethane	21.1	20.0	106	79 - 123
Bromoform	22.3	20.0	111	69 - 126
Bromomethane	18.3	20.0	91	49 - 124
Carbon Disulfide	20.2	20.0	101	67 - 138
Carbon Tetrachloride	21.3	20.0	107	64 - 129
Chlorobenzene	19.8	20.0	99	80 - 121
Chloroethane	18.2	20.0	91	72 - 130
Chloroform	19.7	20.0	99	75 - 123
Chloromethane	17.0	20.0	85	55 - 139
Cyclohexane	16.7	20.0	83	55 - 132
Dibromochloromethane	22.0	20.0	110	78 - 127
Dichlorodifluoromethane (CFC 12)	18.0	20.0	90	45 - 147
Dichloromethane	19.5	20.0	97	73 - 122

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206133
Date Analyzed: 9/17/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS, Unpreserved

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 309756

Lab Control Sample
RQ1210869-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Ethylbenzene	19.2	20.0	96	75 - 123
Isopropylbenzene (Cumene)	20.3	20.0	101	75 - 139
Methyl Acetate	20.0	20.0	100	65 - 131
Methyl tert-Butyl Ether	21.0	20.0	105	75 - 116
Methylcyclohexane	16.9	20.0	85	59 - 127
Styrene	19.4	20.0	97	80 - 121
Tetrachloroethene (PCE)	19.2	20.0	96	71 - 127
Toluene	20.1	20.0	100	77 - 120
Trichloroethene (TCE)	19.7	20.0	98	75 - 122
Trichlorofluoromethane (CFC 11)	21.2	20.0	106	64 - 134
Vinyl Chloride	18.4	20.0	92	68 - 139
cis-1,2-Dichloroethene	19.9	20.0	100	77 - 123
cis-1,3-Dichloropropene	19.2	20.0	96	77 - 125
m,p-Xylenes	39.4	40.0	98	77 - 124
o-Xylene	19.6	20.0	98	77 - 131
trans-1,2-Dichloroethene	19.2	20.0	96	72 - 120
trans-1,3-Dichloropropene	19.8	20.0	99	69 - 127

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Analyzed: 9/17/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
Basis: Dry

Analysis Lot: 309721

Lab Control Sample
RQ1210900-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	20.9	20.0	104	65 - 127
1,1,2,2-Tetrachloroethane	23.3	20.0	117	71 - 134
1,1,2-Trichloroethane	20.7	20.0	104	76 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	20.4	20.0	102	59 - 127
1,1-Dichloroethane (1,1-DCA)	22.7	20.0	113	75 - 126
1,1-Dichloroethene (1,1-DCE)	21.6	20.0	108	64 - 124
1,2,4-Trichlorobenzene	20.8	20.0	104	68 - 136
1,2-Dibromo-3-chloropropane (DBCP)	21.1	20.0	105	56 - 138
1,2-Dibromoethane	21.5	20.0	108	73 - 125
1,2-Dichlorobenzene	21.1	20.0	106	77 - 125
1,2-Dichloroethane	21.8	20.0	109	75 - 132
1,2-Dichloropropane	22.2	20.0	111	79 - 124
1,3-Dichlorobenzene	20.8	20.0	104	74 - 130
1,4-Dichlorobenzene	21.1	20.0	105	75 - 129
2-Butanone (MEK)	25.0	20.0	125	70 - 131
2-Hexanone	22.2	20.0	111	59 - 144
4-Methyl-2-pentanone	24.0	20.0	120	65 - 138
Acetone	23.8	20.0	119	55 - 143
Benzene	20.8	20.0	104	75 - 124
Bromodichloromethane	21.7	20.0	108	77 - 127
Bromoform	19.0	20.0	95	61 - 144
Bromomethane	22.3	20.0	112	46 - 133
Carbon Disulfide	22.7	20.0	113	70 - 147
Carbon Tetrachloride	18.7	20.0	93	62 - 134
Chlorobenzene	20.4	20.0	102	77 - 124
Chloroethane	23.4	20.0	117	66 - 136
Chloroform	22.3	20.0	112	75 - 126
Chloromethane	26.3	20.0	132	52 - 145
Cyclohexane	20.9	20.0	105	54 - 135
Dibromochloromethane	21.6	20.0	108	69 - 133
Dichlorodifluoromethane (CFC 12)	19.3	20.0	97	46 - 146
Dichloromethane	21.1	20.0	105	75 - 122

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Analyzed: 9/17/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
Basis: Dry

Analysis Lot: 309721

Lab Control Sample
RQ1210900-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Ethylbenzene	20.5	20.0	102	70 - 130
Isopropylbenzene (Cumene)	20.9	20.0	104	72 - 145
Methyl Acetate	25.9	20.0	129	66 - 138
Methyl tert-Butyl Ether	23.1	20.0	115	69 - 124
Methylcyclohexane	19.1	20.0	96	57 - 131
Styrene	19.4	20.0	97	71 - 127
Tetrachloroethene (PCE)	19.2	20.0	96	67 - 133
Toluene	21.0	20.0	105	72 - 127
Trichloroethene (TCE)	19.9	20.0	100	72 - 128
Trichlorofluoromethane (CFC 11)	22.5	20.0	112	62 - 138
Vinyl Chloride	21.8	20.0	109	58 - 152
cis-1,2-Dichloroethene	20.4	20.0	102	75 - 127
cis-1,3-Dichloropropene	21.0	20.0	105	73 - 120
m,p-Xylenes	41.5	40.0	104	70 - 131
o-Xylene	20.8	20.0	104	71 - 127
trans-1,2-Dichloroethene	20.3	20.0	102	69 - 125
trans-1,3-Dichloropropene	20.7	20.0	104	68 - 120

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Analyzed: 9/19/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
Basis: Dry

Analysis Lot: 309793

Analyte Name	Lab Control Sample RQ1210886-03 Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	22.9	20.0	115	67 - 121
1,1,2,2-Tetrachloroethane	20.3	20.0	102	72 - 124
1,1,2-Trichloroethane	20.3	20.0	101	81 - 117
1,1,2-Trichloro-1,2,2-trifluoroethane	20.4	20.0	102	60 - 122
1,1-Dichloroethane (1,1-DCA)	22.1	20.0	111	76 - 124
1,1-Dichloroethene (1,1-DCE)	22.1	20.0	110	67 - 119
1,2,4-Trichlorobenzene	25.2	20.0	126	70 - 128
1,2-Dibromo-3-chloropropane (DBCP)	21.4	20.0	107	64 - 131
1,2-Dibromoethane	21.9	20.0	109	81 - 118
1,2-Dichlorobenzene	21.6	20.0	108	80 - 119
1,2-Dichloroethane	22.5	20.0	112	72 - 130
1,2-Dichloropropane	21.4	20.0	107	83 - 119
1,3-Dichlorobenzene	21.5	20.0	107	79 - 121
1,4-Dichlorobenzene	21.7	20.0	109	79 - 119
2-Butanone (MEK)	20.7	20.0	103	60 - 133
2-Hexanone	20.7	20.0	104	61 - 131
4-Methyl-2-pentanone	22.4	20.0	112	61 - 132
Acetone	21.6	20.0	108	64 - 133
Benzene	21.7	20.0	109	78 - 118
Bromodichloromethane	22.8	20.0	114	79 - 123
Bromoform	24.4	20.0	122	69 - 126
Bromomethane	19.2	20.0	96	49 - 124
Carbon Disulfide	22.6	20.0	113	67 - 138
Carbon Tetrachloride	25.1	20.0	126	64 - 129
Chlorobenzene	21.3	20.0	107	80 - 121
Chloroethane	19.6	20.0	98	72 - 130
Chloroform	21.4	20.0	107	75 - 123
Chloromethane	17.8	20.0	89	55 - 139
Cyclohexane	17.9	20.0	90	55 - 132
Dibromochloromethane	23.4	20.0	117	78 - 127
Dichlorodifluoromethane (CFC 12)	20.8	20.0	104	45 - 147
Dichloromethane	20.4	20.0	102	73 - 122

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Analyzed: 9/19/12

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/Kg
Basis: Dry

Analysis Lot: 309793

Lab Control Sample
RQ1210886-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Ethylbenzene	20.5	20.0	103	75 - 123
Isopropylbenzene (Cumene)	22.8	20.0	114	75 - 139
Methyl Acetate	22.0	20.0	110	65 - 131
Methyl tert-Butyl Ether	22.5	20.0	112	75 - 116
Methylcyclohexane	18.7	20.0	93	59 - 127
Styrene	20.3	20.0	101	80 - 121
Tetrachloroethene (PCE)	22.7	20.0	114	71 - 127
Toluene	21.9	20.0	109	77 - 120
Trichloroethene (TCE)	22.4	20.0	112	75 - 122
Trichlorofluoromethane (CFC 11)	24.4	20.0	122	64 - 134
Vinyl Chloride	20.1	20.0	101	68 - 139
cis-1,2-Dichloroethene	20.6	20.0	103	77 - 123
cis-1,3-Dichloropropene	20.0	20.0	100	77 - 125
m,p-Xylenes	42.8	40.0	107	77 - 124
o-Xylene	21.0	20.0	105	77 - 131
trans-1,2-Dichloroethene	21.2	20.0	106	72 - 120
trans-1,3-Dichloropropene	21.1	20.0	106	69 - 127

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206133
Date Analyzed: 9/17/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Units: µg/L
Basis: NA

Extraction Lot: 167114

	Lab Control Sample RQ1210799-02			Duplicate Lab Control Sample RQ1210799-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
2,4,5-Trichlorophenol	102	100	102	85.7	100	86	62 - 117	18	30
2,4,6-Trichlorophenol	103	100	103	90.4	100	90	62 - 115	13	30
2,4-Dichlorophenol	102	100	102	91.2	100	91	62 - 109	11	30
2,4-Dimethylphenol	92.5	100	93	82.1	100	82	28 - 100	12	30
2,4-Dinitrophenol	60.6	100	61	60.6	100	61	40 - 156	<1	30
2,4-Dinitrotoluene	116	100	116	102	100	102	69 - 122	12	30
2,6-Dinitrotoluene	116	100	116	103	100	103	48 - 125	13	30
2-Chloronaphthalene	82.1	100	82	72.2	100	72	47 - 98	13	30
2-Chlorophenol	87.7	100	88	77.8	100	78	42 - 112	12	30
2-Methylnaphthalene	80.5	100	81	71.9	100	72	34 - 102	11	30
2-Methylphenol	84.8	100	85	75.5	100	76	51 - 95	12	30
2-Nitroaniline	100	100	100	87.9	100	88	60 - 119	13	30
2-Nitrophenol	102	100	102	88.6	100	89	60 - 113	14	30
3,3'-Dichlorobenzidine	108	100	108	87.8	100	88	44 - 114	20	30
3- and 4-Methylphenol Coelution	160	200	80	144	200	72	49 - 89	11	30
3-Nitroaniline	82.5	100	83	68.9	100	69	49 - 110	18	30
4,6-Dinitro-2-methylphenol	88.7	100	89	81.2	100	81	65 - 141	9	30
4-Bromophenyl Phenyl Ether	109	100	109	93.3	100	93	63 - 124	16	30
4-Chloro-3-methylphenol	105	100	105	92.9	100	93	42 - 124	12	30
4-Chloroaniline	80.7	100	81	67.0	100	67	40 - 111	19	30
4-Chlorophenyl Phenyl Ether	102	100	102	89.4	100	89	59 - 112	13	30
4-Nitroaniline	98.8	100	99	87.6	100	88	61 - 122	12	30
4-Nitrophenol	43.9	100	44	38.7	100	39	10 - 126	13	30
Acenaphthene	96.2	100	96	83.9	100	84	54 - 125	14	30
Acenaphthylene	96.6	100	97	84.4	100	84	69 - 111	13	30
Acetophenone	92.5	100	92	83.0	100	83	42 - 126	11	30
Anthracene	107	100	107	92.2	100	92	55 - 116	15	30
Atrazine	121	100	121	108	100	108	10 - 160	12	30
Benz(a)anthracene	107	100	107	95.3	100	95	66 - 110	12	30
Benzaldehyde	302	100	302 *	247	100	247 *	46 - 200	20	30
Benzo(a)pyrene	98.9	100	99	88.0	100	88	44 - 114	12	30
Benzo(b)fluoranthene	100	100	100	90.9	100	91	64 - 122	10	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206133
Date Analyzed: 9/17/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Units: µg/L
Basis: NA

Extraction Lot: 167114

	Lab Control Sample RQ1210799-02				Duplicate Lab Control Sample RQ1210799-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**		**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(g,h,i)perylene	112	100	112		101	100	101	60 - 127	10	30
Benzo(k)fluoranthene	98.5	100	99		91.5	100	92	49 - 133	7	30
Biphenyl	91.4	100	91		79.3	100	79	30 - 126	14	30
2,2'-Oxybis(1-chloropropane)	97.2	100	97		85.8	100	86	44 - 112	12	30
Bis(2-chloroethoxy)methane	96.6	100	97		84.5	100	84	53 - 142	13	30
Bis(2-chloroethyl) Ether	86.4	100	86		75.9	100	76	56 - 106	13	30
Bis(2-ethylhexyl) Phthalate	126	100	126	*	113	100	113	62 - 124	11	30
Butyl Benzyl Phthalate	117	100	117		105	100	105	41 - 148	11	30
Caprolactam	40.2	100	40		35.8	100	36	10 - 41	12	30
Carbazole	99.2	100	99		87.8	100	88	66 - 117	12	30
Chrysene	107	100	107		95.2	100	95	57 - 118	11	30
Di-n-butyl Phthalate	113	100	113		98.4	100	98	57 - 139	14	30
Di-n-octyl Phthalate	102	100	102		92.0	100	92	77 - 120	10	30
Dibenz(a,h)anthracene	117	100	117		105	100	105	58 - 132	10	30
Dibenzofuran	92.5	100	92		80.5	100	81	58 - 105	14	30
Diethyl Phthalate	107	100	107		94.2	100	94	65 - 122	13	30
Dimethyl Phthalate	106	100	106		92.5	100	93	69 - 115	13	30
Fluoranthene	107	100	107		94.7	100	95	62 - 123	12	30
Fluorene	103	100	103		89.4	100	89	60 - 112	14	30
Hexachlorobenzene	109	100	109		94.4	100	94	76 - 119	14	30
Hexachlorobutadiene	70.3	100	70		64.7	100	65	16 - 95	8	30
Hexachlorocyclopentadiene	53.5	100	53		48.3	100	48	10 - 99	10	30
Hexachloroethane	61.9	100	62		54.4	100	54	15 - 92	13	30
Indeno(1,2,3-cd)pyrene	111	100	111		101	100	101	64 - 126	9	30
Isophorone	101	100	101		89.2	100	89	61 - 128	12	30
N-Nitrosodi-n-propylamine	97.4	100	97		86.6	100	87	51 - 119	12	30
N-Nitrosodiphenylamine	118	100	118		100	100	100	45 - 123	16	30
Naphthalene	81.2	100	81		72.2	100	72	36 - 95	12	30
Nitrobenzene	91.9	100	92		79.2	100	79	51 - 113	15	30
Pentachlorophenol (PCP)	95.1	100	95		85.2	100	85	56 - 146	11	30
Phenanthrene	109	100	109		94.9	100	95	58 - 118	14	30
Phenol	44.4	100	44		38.8	100	39	10 - 113	13	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206133
Date Analyzed: 9/17/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3510C

Units: µg/L
Basis: NA

Extraction Lot: 167114

	Lab Control Sample RQ1210799-02			Duplicate Lab Control Sample RQ1210799-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	103	100	103	91.3	100	91	67 - 118	12	30

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Analyzed: 9/19/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 167216

	Lab Control Sample RQ1210893-02			Duplicate Lab Control Sample RQ1210893-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
2,4,5-Trichlorophenol	3340	3330	100	2620	3330	79	34 - 121	24	30
2,4,6-Trichlorophenol	3440	3330	103	2670	3330	80	76 - 117	25	30
2,4-Dichlorophenol	3380	3330	101	2710	3330	81	72 - 112	22	30
2,4-Dimethylphenol	2900	3330	87	2330	3330	70	41 - 106	22	30
2,4-Dinitrophenol	1600	3330	48	1080	3330	33	12 - 134	38 *	30
2,4-Dinitrotoluene	3910	3330	117	3030	3330	91	64 - 121	25	30
2,6-Dinitrotoluene	3890	3330	117 *	3020	3330	90	79 - 116	25	30
2-Chloronaphthalene	3280	3330	98	2560	3330	77	76 - 112	25	30
2-Chlorophenol	3030	3330	91	2420	3330	73	31 - 123	22	30
2-Methylnaphthalene	3270	3330	98	2650	3330	80	73 - 108	21	30
2-Methylphenol	3070	3330	92	2440	3330	73	62 - 105	23	30
2-Nitroaniline	3410	3330	102	2600	3330	78	77 - 115	27	30
2-Nitrophenol	3390	3330	102	2720	3330	82	69 - 115	22	30
3,3'-Dichlorobenzidine	3500	3330	105	2860	3330	86	55 - 109	20	30
3- and 4-Methylphenol Coelution	6220	6670	93	5010	6670	75	65 - 110	22	30
3-Nitroaniline	3000	3330	90	2440	3330	73	45 - 108	21	30
4,6-Dinitro-2-methylphenol	2910	3330	87	2190	3330	66	22 - 161	28	30
4-Bromophenyl Phenyl Ether	3520	3330	106	2780	3330	83	73 - 120	24	30
4-Chloro-3-methylphenol	3380	3330	101	2670	3330	80	39 - 127	23	30
4-Chloroaniline	2830	3330	85	2370	3330	71	37 - 119	18	30
4-Chlorophenyl Phenyl Ether	3450	3330	104	2720	3330	82	77 - 109	24	30
4-Nitroaniline	3260	3330	98	2550	3330	76	69 - 117	25	30
4-Nitrophenol	2800	3330	84	2050	3330	61	43 - 133	31 *	30
Acenaphthene	3540	3330	106	2750	3330	83	79 - 115	25	30
Acenaphthylene	3560	3330	107	2800	3330	84	84 - 120	24	30
Acetophenone	3180	3330	96	2540	3330	76	43 - 126	23	30
Anthracene	3580	3330	107	2850	3330	85	83 - 113	23	30
Atrazine	3950	3330	118	3070	3330	92	10 - 200	25	30
Benz(a)anthracene	3610	3330	108	2800	3330	84	72 - 128	25	30
Benzaldehyde	10200	3330	307 *	8070	3330	242 *	62 - 200	24	30
Benzo(a)pyrene	3330	3330	100	2600	3330	78	66 - 127	25	30
Benzo(b)fluoranthene	3520	3330	106	2700	3330	81	61 - 135	26	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Analyzed: 9/19/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 167216

	Lab Control Sample RQ1210893-02			Duplicate Lab Control Sample RQ1210893-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(g,h,i)perylene	3630	3330	109	2790	3330	84	74 - 124	26	30
Benzo(k)fluoranthene	3580	3330	108	2620	3330	79	70 - 112	31 *	30
Biphenyl	3300	3330	99	2570	3330	77 *	80 - 115	25	30
2,2'-Oxybis(1-chloropropane)	3390	3330	102	2700	3330	81	49 - 117	22	30
Bis(2-chloroethoxy)methane	3080	3330	93	2490	3330	75	52 - 131	21	30
Bis(2-chloroethyl) Ether	2860	3330	86	2320	3330	70	54 - 112	21	30
Bis(2-ethylhexyl) Phthalate	3870	3330	116	3030	3330	91	61 - 145	24	30
Butyl Benzyl Phthalate	3700	3330	111	2880	3330	86	59 - 115	25	30
Caprolactam	3950	3330	119	3120	3330	94	64 - 121	23	30
Carbazole	3340	3330	100	2630	3330	79	66 - 111	24	30
Chrysene	3600	3330	108	2780	3330	83	63 - 136	26	30
Di-n-butyl Phthalate	3520	3330	106	2780	3330	83	65 - 140	24	30
Di-n-octyl Phthalate	3680	3330	110	2910	3330	87	60 - 142	23	30
Dibenz(a,h)anthracene	3640	3330	109	2800	3330	84	75 - 120	26	30
Dibenzofuran	3280	3330	98	2570	3330	77 *	80 - 110	24	30
Diethyl Phthalate	3430	3330	103	2660	3330	80	65 - 115	25	30
Dimethyl Phthalate	3460	3330	104	2680	3330	80	67 - 112	25	30
Fluoranthene	3690	3330	111	2920	3330	88	71 - 128	23	30
Fluorene	3580	3330	107	2790	3330	84	79 - 110	25	30
Hexachlorobenzene	3590	3330	108	2840	3330	85	68 - 115	23	30
Hexachlorobutadiene	3230	3330	97	2640	3330	79	59 - 116	20	30
Hexachlorocyclopentadiene	2920	3330	87	2320	3330	70	10 - 155	23	30
Hexachloroethane	2760	3330	83	2270	3330	68	47 - 107	20	30
Indeno(1,2,3-cd)pyrene	3560	3330	107	2740	3330	82	76 - 121	26	30
Isophorone	3240	3330	97	2610	3330	78	74 - 111	22	30
N-Nitrosodi-n-propylamine	3160	3330	95	2530	3330	76	66 - 113	22	30
N-Nitrosodiphenylamine	3780	3330	113	2940	3330	88	78 - 119	25	30
Naphthalene	3270	3330	98	2660	3330	80	66 - 108	21	30
Nitrobenzene	3040	3330	91	2440	3330	73	64 - 111	22	30
Pentachlorophenol (PCP)	3050	3330	91	2300	3330	69	22 - 160	28	30
Phenanthrene	3660	3330	110	2890	3330	87	81 - 115	24	30
Phenol	2990	3330	90	2410	3330	72	60 - 112	21	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Analyzed: 9/19/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 167216

	Lab Control Sample RQ1210893-02			Duplicate Lab Control Sample RQ1210893-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Pyrene	3530	3330	106	2710	3330	81	70 - 133	26	30

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Analyzed: 9/20/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 167507

	Lab Control Sample RQ1211057-02				Duplicate Lab Control Sample RQ1211057-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**		**Result**	**Spike Amount**	**% Rec**		**% Rec Limits**	**RPD**	**RPD Limit**
2,4,5-Trichlorophenol	3140	3330	94		3460	3330	104		34 - 121	10	30
2,4,6-Trichlorophenol	3180	3330	95		3350	3330	101		76 - 117	5	30
2,4-Dichlorophenol	3020	3330	91		3190	3330	96		72 - 112	6	30
2,4-Dimethylphenol	3050	3330	92		3190	3330	96		41 - 106	4	30
2,4-Dinitrophenol	3060	3330	92		3250	3330	97		12 - 134	6	30
2,4-Dinitrotoluene	3450	3330	104		3600	3330	108		64 - 121	4	30
2,6-Dinitrotoluene	3390	3330	102		3600	3330	108		79 - 116	6	30
2-Chloronaphthalene	2540	3330	76		2590	3330	78		76 - 112	2	30
2-Chlorophenol	2760	3330	83		2970	3330	89		31 - 123	7	30
2-Methylnaphthalene	2440	3330	73		2380	3330	71	*	73 - 108	2	30
2-Methylphenol	2620	3330	79		2770	3330	83		62 - 105	6	30
2-Nitroaniline	3150	3330	94		3380	3330	101		77 - 115	7	30
2-Nitrophenol	2990	3330	90		3170	3330	95		69 - 115	6	30
3,3'-Dichlorobenzidine	3090	3330	93		3180	3330	95		55 - 109	3	30
3- and 4-Methylphenol Coelution	4980	6670	75		5260	6670	79		65 - 110	5	30
3-Nitroaniline	3020	3330	90		3110	3330	93		45 - 108	3	30
4,6-Dinitro-2-methylphenol	3270	3330	98		3610	3330	108		22 - 161	10	30
4-Bromophenyl Phenyl Ether	3220	3330	97		3470	3330	104		73 - 120	8	30
4-Chloro-3-methylphenol	3230	3330	97		3360	3330	101		39 - 127	4	30
4-Chloroaniline	2960	3330	89		3020	3330	91		37 - 119	2	30
4-Chlorophenyl Phenyl Ether	3170	3330	95		3270	3330	98		77 - 109	3	30
4-Nitroaniline	3250	3330	98		3350	3330	101		69 - 117	3	30
4-Nitrophenol	1540	3330	46		1540	3330	46		43 - 133	<1	30
Acenaphthene	3020	3330	91		3150	3330	94		79 - 115	4	30
Acenaphthylene	3050	3330	91		3100	3330	93		84 - 120	2	30
Acetophenone	1420	3330	42	*	1580	3330	47		43 - 126	11	30
Anthracene	3340	3330	100		3530	3330	106		83 - 113	5	30
Atrazine	189	3330	6	*	204	3330	6	*	10 - 200	8	30
Benz(a)anthracene	3330	3330	100		3450	3330	104		72 - 128	4	30
Benzaldehyde	330 U	3330	0	*	330 U	3330	0	*	62 - 200	<1	30
Benzo(a)pyrene	3180	3330	95		3320	3330	100		66 - 127	4	30
Benzo(b)fluoranthene	3450	3330	104		3380	3330	101		61 - 135	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Analyzed: 9/20/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 167507

	Lab Control Sample RQ1211057-02				Duplicate Lab Control Sample RQ1211057-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**		**Result**	**Spike Amount**	**% Rec**		**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(g,h,i)perylene	3820	3330	115		4130	3330	124		74 - 124	8	30
Benzo(k)fluoranthene	3200	3330	96		3380	3330	101		70 - 112	5	30
Biphenyl	330 U	3330	0	*	330 U	3330	0	*	80 - 115	<1	30
2,2'-Oxybis(1-chloropropane)	3080	3330	93		3410	3330	102		49 - 117	10	30
Bis(2-chloroethoxy)methane	3520	3330	106		3600	3330	108		52 - 131	2	30
Bis(2-chloroethyl) Ether	2840	3330	85		3020	3330	90		54 - 112	6	30
Bis(2-ethylhexyl) Phthalate	3470	3330	104		3490	3330	105		61 - 145	<1	30
Butyl Benzyl Phthalate	3240	3330	97		3350	3330	100		59 - 115	3	30
Caprolactam	330 U	3330	0	*	330 U	3330	0	*	64 - 121	<1	30
Carbazole	3200	3330	96		3370	3330	101		66 - 111	5	30
Chrysene	3380	3330	101		3480	3330	104		63 - 136	3	30
Di-n-butyl Phthalate	3430	3330	103		3560	3330	107		65 - 140	4	30
Di-n-octyl Phthalate	3210	3330	96		3230	3330	97		60 - 142	<1	30
Dibenz(a,h)anthracene	3820	3330	114		4060	3330	122	*	75 - 120	6	30
Dibenzofuran	2930	3330	88		3070	3330	92		80 - 110	5	30
Diethyl Phthalate	3350	3330	100		3490	3330	105		65 - 115	4	30
Dimethyl Phthalate	3340	3330	100		3490	3330	105		67 - 112	4	30
Fluoranthene	3530	3330	106		3700	3330	111		71 - 128	5	30
Fluorene	3280	3330	98		3420	3330	102		79 - 110	4	30
Hexachlorobenzene	3300	3330	99		3520	3330	106		68 - 115	7	30
Hexachlorobutadiene	2180	3330	65		2050	3330	62		59 - 116	6	30
Hexachlorocyclopentadiene	1960	3330	59		1950	3330	59		10 - 155	<1	30
Hexachloroethane	1970	3330	59		1990	3330	60		47 - 107	1	30
Indeno(1,2,3-cd)pyrene	3640	3330	109		3920	3330	117		76 - 121	7	30
Isophorone	3170	3330	95		3350	3330	100		74 - 111	5	30
N-Nitrosodi-n-propylamine	3070	3330	92		3290	3330	99		66 - 113	7	30
N-Nitrosodiphenylamine	3600	3330	108		3850	3330	116		78 - 119	7	30
Naphthalene	2520	3330	76		2530	3330	76		66 - 108	<1	30
Nitrobenzene	2930	3330	88		3050	3330	92		64 - 111	4	30
Pentachlorophenol (PCP)	3200	3330	96		3750	3330	112		22 - 160	16	30
Phenanthrene	3470	3330	104		3600	3330	108		81 - 115	4	30
Phenol	1380	3330	41	*	1440	3330	43	*	60 - 112	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Analyzed: 9/20/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 167507

Analyte Name	Lab Control Sample RQ1211057-02 Result	Spike Amount	% Rec	Duplicate Lab Control Sample RQ1211057-03 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Pyrene	3290	3330	99	3410	3330	102	70 - 133	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Soil

Service Request: R1206133
Date Analyzed: 9/18/12

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3541

Units: µg/Kg
Basis: Dry

Extraction Lot: 167165

	Lab Control Sample RQ1210892-02			Duplicate Lab Control Sample RQ1210892-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1260	134	167	80	160	167	96	58 - 129	18	30

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group
QA/QC Report

Client: Seeler Engineering, PC
Project: Phase II - Spencer Road/019.007
Sample Matrix: Water

Service Request: R1206133
Date Analyzed: 9/18/12

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Analytical Method: 8082A
Prep Method: EPA 3510C

Units: µg/L
Basis: NA

Extraction Lot: 167115

Analyte Name	Lab Control Sample RQ1210800-02 Result	Spike Amount	% Rec	Duplicate Lab Control Sample RQ1210800-03 Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Aroclor 1260	3.84	5.00	77	5.05	5.00	101	45 - 134	27	30

Results flagged with an asterisk (*) indicate values outside control criteria.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Environmental

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 3467

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 1

Project Name: PHASE II - SPENCER RD	Project Number: 019.007
Project Manager: TIM SEELER	Report CC: MATT CZORA
Company/Address: SEELER ENGINEERING, P.C. 1151 PITTSFORD-VICTOR RD, SUITE 125 PITTSFORD, NY 14534	
Phone #: 585-248-9520	Email: TIMSEELER@SEELERENGINEER INC.COM
Sampler's Signature:	Sampler's Printed Name: MATT CZORA

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 8/1 | 8 | | | 8 | 8

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○ 8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
B-3@7		9/13/12	11:10 AM	SOIL	3	X	X			X	X		
B-4@6.5		9/13/12	12:05 PM	SOIL	3	X	X			X	X		
B-11@7		9/13/12	4:10 PM	SOIL	3	X	X			X	X		
B-12@0		9/13/12	5:00 PM	SOIL	2		X		\	X	X		
WB-4		9/13/12	5:45 PM	WATER	8	X	X			X	X		
WB-11		9/13/12	7:00 PM	WATER	5	X	X						NO HCL IN VOC
WB-10		9/13/12	7:15 PM	WATER	6	X	X				X		

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ICE

SPECIAL INSTRUCTIONS/COMMENTS
Metals

PLEASE HAVE JANICE CALL TO DISCUSS SEDIMENT IN WATER SAMPLES FOR ANALYSIS filter water samples prior to analysis to remove sediment as per matt Czora

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 1 day ____ 2 day ____ 3 day
____ 4 day X 5 day

REQUESTED REPORT DATE: _____

REPORT REQUIREMENTS
X I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data

Edata ____ Yes ____ No

INVOICE INFORMATION
PO #
BILL TO: SEELER ENGINEERING
1151 PITTSFORD-VICTOR RD
SUITE 125, PITTSFORD, NY

STATE WHERE SAMPLES WERE COLLECTED

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	
Signature	Signature	Signature	Signature	Signature	
Printed Name: MATT CZORA	Printed Name: Gregory O. Esmonde	Printed Name	Printed Name	Printed Name	
Firm: SEELER ENG.	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 9/14/12 11:34 AM	Date/Time: 9-14-12 11:34	Date/Time	Date/Time	Date/Time	Date/Time

R1206133 5
Seeler Engineering, PC
Phase II - Spencer Road

6999

Distribution: White - Lab Copy; Yellow - Return to Originator

© 2012 by ALS Group

Cooler Receipt and Preservation Check Form

Project/Client Seller Eng. Folder Number R12-6133

Cooler received on 9/14/12 by: AW COURIER: ALS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?	(YES)	NO			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did VOA vials, Alkalinity, or Sulfide have significant* air bubbles?	(YES) *	NO	N/A		
5.	Were **Ice** or **Ice packs** present?	(YES)	NO			
6.	Where did the bottles originate?	(ALS/ROC)	CLIENT			
7.	Temperature of cooler(s) upon receipt:	3.6°	2.1°	____	____	____
	Is the temperature within 0° - 6° C?:	(Yes)	(Yes)	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 9/14/12 1148

Thermometer ID: (IR GUN#3) / IR GUN#4 Reading From: Temp Blank / (Sample Bottle)

If out of Temperature, note packing/ice condition &Client Approval to Run Samples: ____

All Samples held in storage location R-002 by AW on 9/14/12 at 1159

5035 samples placed in storage location ____ by ____ on ____ at ____

PC Secondary Review: MMJ 9/14/12

Cooler Breakdown: Date: 9/14/12 Time: ____ by: ____

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	YES	NO	
2.	Did all bottle labels and tags agree with custody papers?	YES	NO	
3.	Were correct containers used for the tests indicated?	YES	NO	
4.	Air Samples: Cassettes / Tubes Intact	Canisters Pressurized	Tedlar® Bags Inflated	N/A

Explain any discrepancies: ____

pH	Reagent	YES	NO	Lot Received **	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3								
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For TCN Phenol and 522			If present, contact PM to add ascorbic acid Or sodium sulfite (522)					
	$Na_2S_2O_3$	-	-						
	Zn Aceta	-	-						
	HCl	*	*						

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: ____

Bottle lot numbers: ____

Other Comments:

* WB-4-2 vials w/ bubbles

PC Secondary Review: MMJ 9/25/12

*significant air bubbles: VOA > 5-6 mm , WC > 1 in. diameter

END OF DOCUMENT

END OF DOCUMENT